

The Manager
IMI FABI (Australia) Pty Ltd
PMB44
MEEKATHARRA WA 6642

Dear Sir/Madam

ENVIRONMENTAL PROTECTION ACT 1986: LICENCE GRANTED

Premises:

Mount Seabrook Talc Mine
M 52/123, M 52/106 M 52/58, Meekatharra, WA, 6642
Licence Number: L5116/1978/10

A licence 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 licence in the public notices section of *The West Australian* newspaper.

The licence includes attached conditions. Under section 58(1) of the Act, it is an offence to contravene a condition of a licence. 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 licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence. To lodge an appeal contact the Office of the Appeals Convenor on 6467 5190 or by email at admin@appealsconvenor.wa.gov.au.

Where a licence is issued for more than one year it requires payment of an annual fee and will cease to have effect if the fee is unpaid. It is the occupier's responsibility to lodge a fee application and pay the annual fee in sufficient time to avoid incurring a late payment fee and for processing to be completed before the licence anniversary date.

If you have any queries regarding the above information, please contact Paul Anderson on 9964 0916.

Yours sincerely



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

Thursday, 23 October 2014



Licence

Environmental Protection Act 1986, Part V

Licensee: IMI Fabi (Australia) Pty Ltd

Licence: L5116/1978/10

Registered office: Suite 4, 9 Cleaver Street
 WEST PERTH WA 6005

ACN: 074 500 208

Premises address: Mount Seabrook Talc Mine
 Mining Tenements M52/58 and M52/106
 MEEKATHARRA WA 6642
 (as depicted in Schedule 1)

Issue date: Thursday, 23 October 2014

Commencement date: Sunday, 02 November 2014

Expiry date: Friday, 01 November 2019

Prescribed premises category

Schedule 1 of the *Environmental Protection Regulations 1987*

| Category number | Category description | Category production or design capacity | Approved Premises production or design capacity |
|-----------------|--|--|---|
| 70 | 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. | More than 5 000 but less than 50 000 tonnes per year | Less than 50 000 tonnes per annual period |

Conditions

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

.....
 Officer, delegate under section 20
 of the *Environmental Protection Act 1986*

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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link:

<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* - these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* - these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

The Mount Seabrook Talc Mine (Mount Seabrook) is located approximately 160 kilometers northwest of Meekatharra near the Robinson Range in the North Murchison Region of Western Australia. The area surrounding Mount Seabrook is rangeland and is historically used for pastoral activities.

Mining occurs on a campaign basis where the mined talc is stockpiled until exhausted at which time mining recommences.

The mining operation at Mount Seabrook is technically simple with no requirement for chemical treatment. The ore is mined from an open cut pit, crushed, screened, washed and then sorted using a photometric ore sorter. The talc is then hauled via road train to the port of Geraldton.

Stormwater from around the plant and process wash water (tailings) is directed through a filtration pond before being discharged into a seepage pond where it either infiltrates to ground or is recovered for use in talc processing. Tailings only consist of talc fines and water which is brackish to slightly saline. No chemicals are used in the process. Contamination of stormwater with anything other than suspended solids is unlikely as all refueling activities occur over a bunded hardstand area which is graded to a collection sump, and all hydrocarbons onsite are stored within purpose built facilities .

Other emissions from Mount Seabrook are fugitive dust emissions resulting from crushing and screening activities, stockpiles and haul roads. IMI Fabi (Australia) Pty Ltd operate dust suppression infrastructure such as misting sprays and water trucks to minimise dust emissions.

This Licence is the successor to licence L5116/1978/9 and has been converted into the new REFIRE format.

The licences and works approvals issued for the Premises since 11/10/2000 are:

| Instrument log | | |
|-----------------------|---------------|---------------------|
| Instrument | Issued | Description |
| L5116/1978/4 | 11/10/2000 | Licence re-issue |
| L5116/1978/5 | 10/10/2001 | Licence re-issue |
| L5116/1978/6 | 10/10/2002 | Licence re-issue |
| L5116/1978/7 | 03/11/2003 | Licence re-issue |
| L5116/1978/8 | 02/11/2004 | Licence re-issue |
| L5116/1978/9 | 02/11/2009 | Licence re-issue |
| L5116/1978/9 | 18/08/2011 | Transfer of licence |
| L5116/1978/10 | 23/10/2014 | Licence re-issue |



Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

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

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

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

'annual period' means the inclusive period from 1 October until 30 September in the following year;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality- Sampling-Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

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

'CEO' for the purpose of correspondence means;

Manager Licensing (Midwest)
Department of Environment Regulation
PO Box 72
GERALDTON WA 6531
Telephone: (08) 9964 0901
Facsimile: (08) 9921 5713
Email: midwest@der.wa.gov.au;

'Clean Fill' has the meaning defined in the Landfill Definitions;

'code of practice for the storage and handling of dangerous goods' means the 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;

'fugitive emissions' means all emissions not arising from point sources identified in section 2.5;

'Landfill Definitions' means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time.

'Licence' means this Licence numbered L5116/1978/10 and issued under the Act;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'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 Licence;

'Putrescible waste' has the meaning defined in the Landfill Definitions;

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

'six monthly' means the 2 inclusive periods from 1 April to 30 September and 1 October to 31 March in the following year; and

'spot sample' means a discrete sample representative at the time and place at which the sample is taken;

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

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

1.2 General conditions

1.2.1 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:

- (a) pollution;
- (b) unreasonable emission;
- (c) discharge of waste in circumstances likely to cause pollution; or
- (d) being contrary to any written law.

1.2.2 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.

1.2.3 The Licensee, 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.

1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.

1.3 Premises operation

1.3.1 The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.3.1 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.3.1: Cover requirements ¹

| Waste Type | Cover requirements |
|-------------------|---|
| Putrescible | To be covered with clean fill within 24 hours of delivery to the mine waste dump. |

Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

- 1.3.2 The Licensee shall ensure vehicle washdown areas have provisions to ensure that the vehicle washdown wastewaters are contained. These provisions shall incorporate, but not be limited to, a hardstand washdown pad draining to a settlement area.

2 Emissions

There are no specified conditions relating to emissions in this section

2.1 General

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit or target specified in any part of section 2 of this Licence.

2.2-2.4 Point source emissions to air, surface water and groundwater

There are no specified conditions relating to point source emissions to air, surface water or groundwater in these sections.

2.5 Emissions to land

- 2.5.1 The Licensee shall ensure that where waste is emitted to land from the emission point in Table 2.5.1, and identified on the map of emission points in Schedule 1, it is done so in accordance with the conditions of this licence.

Table 2.5.1: Emissions to land

| Emission point reference and location on Map of emission points | Description | Source including abatement |
|--|--------------------|--|
| L1 | Seepage pond | Process wash water and onsite stormwater |

2.6 Fugitive emissions

- 2.6.1 The Licensee shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.
- 2.6.2 The Licensee shall ensure that no visible dust generated by the activities on the Premises crosses the boundary of the Premises.

2.7 Odour

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

2.8 Noise

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

3 Monitoring

3.1 General monitoring

3.1.1 The licensee shall ensure that:

- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
- (b) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.

3.1.2 The Licensee shall ensure that six monthly monitoring is undertaken at least 5 months apart.

3.2-3.4 Monitoring of point source emissions to air, surface water and groundwater

There are no specified conditions relating to monitoring of point source emissions to air, surface water or groundwater in this section.

3.5 Monitoring of emissions to land

3.5.1 The Licensee shall undertake the monitoring in Table 3.5.1 according to the specifications in that table.

| Emission point reference | Parameter | Units | Averaging period | Frequency |
|--------------------------|--------------------------------------|-------|------------------|-------------|
| L1 | pH ¹ | - | Spot sample | Six monthly |
| | Total Suspended Solids (TSS) | mg/L | | |
| | Total Dissolved Solids (TDS) | | | |
| | Total Recoverable Hydrocarbons (TRH) | | | |

Note 1: Parameter can be analysed with field equipment.

3.6 Monitoring of inputs and outputs

There are no specified conditions relating to monitoring of inputs and outputs in this section.

3.7 Process monitoring

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

3.8 Ambient environmental quality monitoring

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

3.9 Meteorological monitoring

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

4 Improvements

There are no specified improvement conditions in this section.



5 Information

5.1 Records

- 5.1.1 All information and records required by the Licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) except for records listed in 5.1.1 (d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
- 5.1.2 The Licensee shall ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.
- 5.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 5.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

5.2 Reporting

- 5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.

| Condition or table (if relevant) | parameter | Format or form ¹ |
|----------------------------------|---|---------------------------------------|
| - | Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken | None specified |
| Table 3.5.1 | Monitoring of emissions to land | LR1 |
| - | Measures taken to suppress dust | None specified |
| 5.1.3 | Compliance | Annual Audit Compliance Report (AACR) |
| 5.1.4 | Complaints summary | None specified |

Note 1: Forms are in Schedule 2

5.3 Notification

- 5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

| Table 5.3.1: Notification requirements | | | |
|---|--|---|-----------------------------------|
| Condition or table (if relevant) | Parameter | Notification requirement¹ | Format or form² |
| | Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution | Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable | N1 |

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

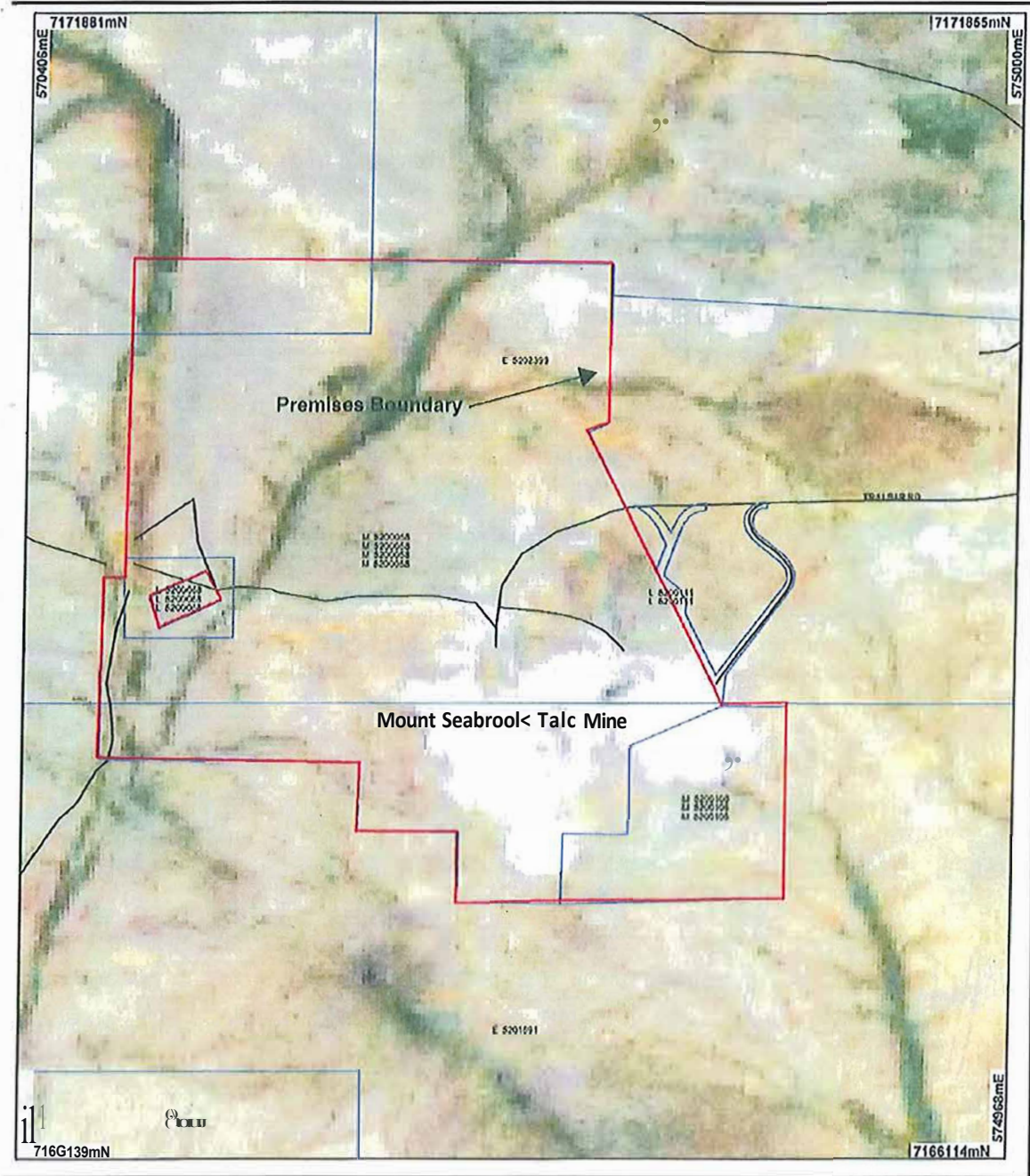
Note 2: Forms are in Schedule 2



Schedule 1: Maps

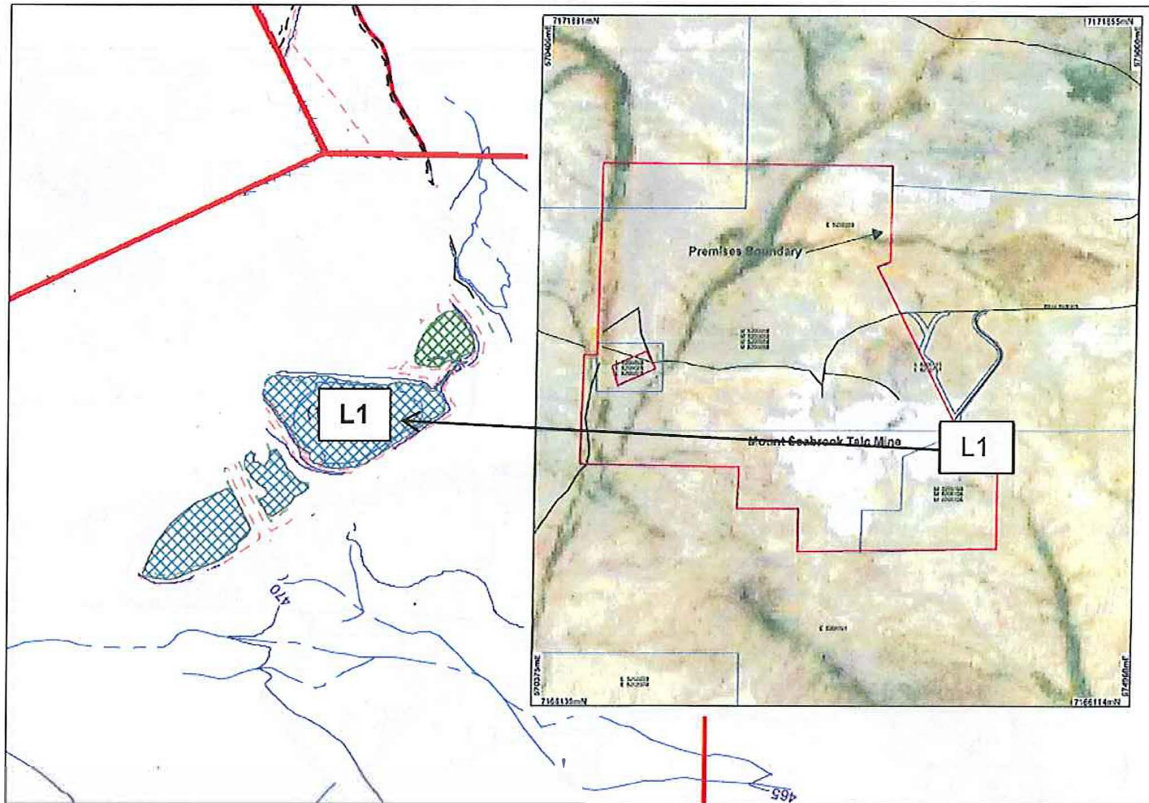
Premises map

The Premises is shown in the map below. The red line depicts the Premises boundary.



Map of emission points and monitoring locations

The location of the emission point defined in Table 2.5.1 and the monitoring location defined in Table 3.5.1 are shown below.





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A

LICENCE DETAILS

| | |
|-------------------------------------|----------------------|
| Licence Number: | Licence File Number: |
| Company Name: | ABN: |
| Trading as: | |
| Reporting period: _____ to _____ | |

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes Please proceed to Section C

No Please proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:

SECTION 8

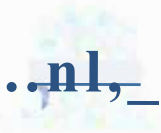
DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each Licence condition that was not complied with.

| | |
|---|----|
| a) Licence condition not complied with: | |
| | |
| b) Date(s) when the non compliance occurred, if applicable: | |
| | |
| c) Was this non compliance reported to DER?: | |
| Yes D Reported to DER verbally Date _____ D Reported to DER in writing Date _____ | No |
| d) Has DER taken, or finalised any action in relation to the non compliance?: | |
| | |
| e) Summary of particulars of the non compliance, and what was the environmental impact: | |
| | |
| f) If relevant, the precise location where the non compliance occurred (attach map or diagram): | |
| | |
| g) Cause of non compliance: | |
| | |
| h) Action taken, or that will be taken to mitigate any adverse effects of the non compliance: | |
| | |
| i) Action taken or that will be taken to prevent recurrence of the non compliance: | |
| | |

Each page must be initialed by the person(s) who signs Section C of this AACR

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

| If the licence holder is | | The Annual Audit Compliance Report must be signed and certified: |
|--|----------------------------|--|
| An individual | <input type="checkbox"/> D | by the individual licence holder, or |
| | <input type="checkbox"/> D | by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf. |
| A firm or other unincorporated company | <input type="checkbox"/> D | by the principal executive officer of the licensee; or |
| | <input type="checkbox"/> D | by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation. |
| A corporation | <input type="checkbox"/> D | by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or |
| | <input type="checkbox"/> D | by two directors of the licensee; or |
| | <input type="checkbox"/> D | by a director and a company secretary of the licensee, or |
| | <input type="checkbox"/> D | if the licensee is a proprietary company that has a sole director who is also the sole company secretary - by that director, or |
| | <input type="checkbox"/> D | by the principal executive officer of the licensee; or |
| | <input type="checkbox"/> D | by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation. |
| A public authority (other than a local government) | <input type="checkbox"/> D | by the principal executive officer of the licensee; or |
| | <input type="checkbox"/> D | by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation. |
| a local government | <input type="checkbox"/> D | by the chief executive officer of the licensee; or |
| | <input type="checkbox"/> D | by affixing the seal of the local government. |

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ___ / ___ - " / _____

DATE: ___ / ___ - " / _____

SEAL (if signing under seal)



Licence: L5116/1978/10
Form: LR1
Name: Monitoring of emissions to land

Licensee: IMI Fabi (Australia) Pty Ltd
Period :

| Emission point | Parameter | Result | Averaging period | Sample date & times |
|----------------|------------------------------------|--------|------------------|---------------------|
| L1 | pH ¹ | - | Spot sample | |
| L1 | Total Suspended Solids (TSS) | mg/L | | |
| L1 | Total Dissolved Solids (TDS) | mg/L | | |
| L1 | Total Petroleum Hydrocarbons (TPH) | mg/L | | |

Note 1: Parameter can be analysed with field equipment.

Signed on behalf of IMI Fabi (Australia) Pty Ltd : Date:



Licence: L5116/1978/10
Form: NI

Licensee: IMI Fabi (Australia) Pty Ltd
Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

These pages outline the information that the operator must provide.
Units of measurement used in information supplied under Part A and 8 requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

| | |
|--------------------------------|--|
| Licence Number | |
| Name of operator | |
| Location of Premises | |
| Time and date of the detection | |

| Notification requirements for the breach of a limit | |
|---|--|
| Emission point reference/ source | |
| Parameter(s) | |
| Limit | |
| Measured value | |
| Date and time of monitoring | |
| Measures taken, or intended to be taken, to stop the emission | |

| Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution | |
|--|--|
| Date and time of event | |
| Reference or description of the location of the event | |
| Description of where any release into the environment took place | |
| Substances potentially released | |
| Best estimate of the quantity or rate of release of substances | |
| Measures taken, or intended to be taken, to stop any emission | |
| Description of the failure or accident | |



Part B

| | |
|---|--|
| Any more accurate information on the matters for notification under Part A | |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident. | |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission. | |
| The dates of any previous NI notifications for the Premises in the preceding 24 months. | |

| | |
|--|--|
| Name | |
| Post | |
| Signature on behalf of IMI Fabi (Australia) Pty Ltd | |
| Date | |

Decision Document

Environmental Protection Act 1986, Part V

Proponent: IMI Fabi (Australia) Pty Ltd
Licence: L5116/1978/10

Registered office: Suite 4, 9 Cleaver Street
WEST PERTH WA 6005

ACN: 074 500 208

Premises address: Mount Seabrook Talc Mine
Mining Tenements M52/58 and M52/106
MEEKATHARRA WA6642
(as depicted in Schedule 1)

Issue date: Thursday, 23 October 2014

Commencement date: Sunday, 02 November 2014

Expiry date: Friday, 01 November 2019

Decision

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

Decision Document prepared by: Paul Anderson
Licensing Officer

Decision Document authorised by: Stephen Checker
Manager Licensing (Midwest)

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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.

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 (SC)

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 (OSC)

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 are justified in Section 4 of this document.

Non standard conditions (NSC)

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 | D |
| | New Licence | <input checked="" type="checkbox"/> |
| | Licence amendment | D |
| | Works Approval amendment | D |
| Activities that cause the premises to become prescribed premises | Category number(s) | Assessed design capacity |
| | 70 | Less than 50 000 tonnes per annual period |
| Application verified | Date: 3 September 2014 | |
| Application fee paid | Date: 24 September 2014 | |
| Works Approval has been complied with | YesD NoLJ | N/A♦ |
| Compliance Certificate received | YesD NoD | N/A♦ |
| Commercial-in-confidence claim | YesD No | |
| Commercial-in-confidence claim outcome | | |
| Is the proposal a Major Resource Project? | YesD No | |
| Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ? | YesD No | Referral decision No: Managed under Part V D Assessed under Part IV D |
| Is the proposal subject to Ministerial Conditions? | YesD No | 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>)? | YesD No | Department of Water consulted Yes D No D |
| Is the Premises within an Environmental Protection Policy (EPP) Area | YesD No | |
| If Yes include details of which EPP(s) here. | | |
| Is the Premises subject to any EPP requirements? | YesD No | |
| If Yes, include details here, e.g. Site is subject to SO ₂ requirements of Kwinana EPP. | | |

3 Executive summary of proposal and assessment

The Mount Seabrook Talc Mine (Mount Seabrook) is located approximately 160 kilometers northwest of Meekatharra near the Robinson Range in the North Murchison Region of Western Australia. The area surrounding Mount Seabrook is rangeland and is historically used for pastoral activities.

DER is undertaking a state-wide reform program known as REFIRE (Re-Engineering for Industry Regulation and the Environment). As part of the reform process, DER is improving the consistency and appearance of licences issued under the *Environmental Protection Act 1986*.

IMI Fabi (Australia) Pty Ltd (IMI Fabi) has applied for a new Licence for Mount Seabrook with the current Licence expiring on the 1 November 2014. During the reissuing of the new Licence, DER has converted the existing licence into the new standardised REFIRE format. During the conversion process, DER has not re-assessed the acceptability or impacts of emissions and discharges from Mount Seabrook or re-visited any existing emission control levels.

The mining operation at Mount Seabrook is technically simple with no requirement for chemical treatment. The ore is mined from an open cut pit, then is crushed, screened, washed and then sorted using a photometric ore sorter. The talc is then hauled via road train to the port of Geraldton.

The main emissions from Mount Seabrook are the discharge of tailings (talc fines and water) into a seepage pond, dust emissions from crushing and screening of ore and fugitive dust from haul roads and stockpiles.

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 | OSC or NSC | Justification (including risk description & decision methodology where relevant) | Reference documents |
| General conditions | L1.2.3 - L1.2.4 | OSC | <p>The storage of hazardous chemicals has not been reassessed as part of this licence reissue.</p> <p>OSC 1.2.3 replaces conditions 4(a) and 4(b) on the previous licence.</p> <p>OSC 1.2.4 replaces condition 4(c) on the previous licence.</p> <p>The requirements of condition 4(d) on the previous licence is covered by OSC 1.2.3 and therefore has not been carried over into the new licence as a separate condition.</p> | <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><i>Environmental Protection (Unauthorised Discharges Regulations, 2004)</i>.</p> |
| Premises operation | L1.3.1 - L1.3.2 | OSC NSC | <p>The management of waste disposal at the premises landfill has not been reassessed as part of this licence reissue.</p> <p>OSC 1.3.1 replaces condition 8 on the previous licence.</p> <p>The management of washdown areas for vehicles has not been reassessed as part of this licence reissue. Condition 5 from the previous licence has been carried over as NSC 1.3.2, however, the condition has been modified by removing ' and disposed of in a manner approved by the Director'.</p> | <p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><i>Environmental Protection Regulations 1987</i>.</p> <p><i>Environmental Protection (Unauthorised Discharges Regulations, 2004)</i>.</p> |
| Emissions general | N/A | N/A | General emissions have not been reassessed as part of this licence reissue. SC 1.2.1 applies. | General provisions of the <i>Environmental Protection Act 1986</i> . |

| 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 |
| Point source emissions to air including monitoring | N/A | N/A | There are no point source emissions to air from the premises that require regulation through this section. SC 1.2.1 applies. | General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges Regulations, 2004)</i> . |
| Point source emissions to surface water including monitoring | N/A | N/A | There are no point source emissions to surface water from the premises that require regulation through this section. SC 1.2.1 applies. | General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges Regulations, 2004)</i> . |
| Point source emissions to groundwater including monitoring | N/A | N/A | There are no point source emissions to groundwater from the premises that require regulation through this section. SC 1.2.1 applies. | General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges Regulations, 2004)</i> . |
| Emissions to land including monitoring | L2.5.1 L3.5.1 | OSC | Emissions to land have not been reassessed as part of this licence reissue. The previous licence required monitoring of water from the seepage pond (emission to land). OSC 2.5.1 has been included in the licence to identify the emission point to land. OSC 3.5.1 replaces condition 6(a) from the previous licence. | <i>Environmental Protection (Unauthorised Discharges Regulations 2004)</i> . General provisions of the <i>Environmental Protection Act 1986</i> . |

| 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 |
| Fugitive emissions | L2.6.1 - L2.6.2 | OSC | Fugitive dust emissions have not been reassessed as part of this licence reissue. OSC 2.6.1 and OSC 2.6.2 replace conditions 3(a) and 3(b) from the previous licence. | <i>Environmental Protection (Unauthorised Discharges Regulations 2004).</i> General provisions of the <i>Environmental Protection Act 1986.</i> |
| Odour | N/A | N/A | Odour has not been reassessed as part of this licence reissue. As the previous licence did not impose controls on odour, no specified conditions have been included in this section. SC 1.2.1 applies. | General provisions of the <i>Environmental Protection Act 1986.</i> |
| Noise | N/A | N/A | Noise has not been reassessed as part of this licence reissue. As the previous licence did not impose controls on noise, no specified conditions have been included in this section. The <i>Environmental Protection (Noise) Regulations 1997</i> and SC 1.2.1 apply. | General provisions of the <i>Environmental Protection Act 1986.</i> |
| Monitoring general | L3.1.1 - L3.1.2 | OSC | General monitoring conditions have not been reassessed as part of this licence reissue. OSC 3.1.1 replaces conditions 7(c) and 7(d) from the previous licence. OSC 3.1.2 replaces the 6 monthly interval requirement of condition 6(a) from the previous licence. | General provisions of the <i>Environmental Protection Act 1986.</i> |
| Monitoring of inputs and outputs | N/A | N/A | N/A | 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 |
| Process monitoring | N/A | N/A | Process monitoring conditions have not been reassessed as part of this licence reissue. | General provisions of the <i>Environmental Protection Act 1986</i> . |
| Ambient quality monitoring | N/A | N/A | Ambient quality monitoring requirements have not been reassessed as part of this reissue. | General provisions of the <i>Environmental Protection Act 1986</i> . |
| Meteorological monitoring | N/A | N/A | Monitoring requirements have not been reassessed as part of this reissue. | N/A |
| Improvements | N/A | N/A | No improvement conditions required. | N/A |
| Information | L5.1.1-5.1.4 L5.2.1 and L5.3.1 | N/A | Standard condition 5.2.1 replaces conditions 1, 2 and 6(b) from the previous licence. | N/A |

5 Advertisement and consultation table

| Date | Event | Comments received/Notes | How comments were taken into consideration |
|------------|---|-------------------------|--|
| 29/9/2014 | Application advertised in West Australian | None received | N/A |
| 20/10/2014 | Proponent sent a copy of draft instrument | None received | N/A |



6. Emissions and discharges risk assessment framework

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 |