

# Dept of the Premier and Cabinet

## Mining Regulation Branch

HMCV Meeting – Agriculture  
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# Presentation Overview

- 1. Agriculture and soil outcomes**
- 2. Requirements for the PEPR**
- 3. Other**

# Agriculture outcome

## *Environmental Outcomes from Lease:*

The Tenement Holder must, in construction, operation and post mine completion, ensure **no impacts to agricultural productivity** for third party land users on or off the Land as a result of mining operations, including:

- 1) Reduction in crop yield;
- 2) Reduction in grain quality; or
- 3) Adverse health impacts to livestock

# Soil criteria

## **Monitoring (Measurement Criteria) from Lease:**

The Tenement Holder must measure chemical and toxicological composition of dust emissions generated by mining operations through an ongoing air monitoring program.

# Soil and land disturbance outcome

## *Environmental Outcomes from Lease:*

1. No contamination of land and soils either on or off site as a result of mining operations; and
2. No contamination of land and soils either on or off site **after mine completion** occurs as a result of mining operations.

# Soil outcomes

## **Environmental Outcomes from Lease:**

*(ML, EML and MPL)*

The Tenement Holder must, in construction, operation and post mine completion ensure that the existing (pre-mining) soil quality and quantity is maintained.

*(ML only)*

Before mine completion, the Tenement Holder must satisfy the Director of Mines that where practicable, the pre-mining land use can be recommenced after mine completion

# Soil strategies

The Tenement Holder is required to address the following matters in the PEPR:

1. Strategies to achieve recovery of topsoil and subsoil from areas to be disturbed by mining operations.
2. Strategies for maintaining the quality and quantity of stockpiled soil/s until such time that it is used for rehabilitation purposes.
3. Strategies for reinstatement of these soils so as to maximise the likelihood of achieving the outcomes
4. An auditable record of soil movement including recovery, stockpiling and reinstatement.
5. Strategies for the establishment of post mine completion land uses and areas, including the re-establishment of land for agriculture, must be consistent with Section 6.9.3 and 6.9.4 of the Mining Lease Proposal.
6. A plan for establishing appropriate mechanisms to ensure effective transfer of responsibility for any maintenance of the site and control of any future development post completion.

# Soil criteria

## **Monitoring (Measurement Criteria) from Lease:**

Baseline data to characterise the pre-mining condition of all soils within the Land.



# Soil and land disturbance (TSF & WRD)

## **Environmental Outcomes from Lease:**

The Tenement Holder must, in construction, operation and post mine completion, ensure that water seepage from the TSF, WRD's or ore stockpiles does not result in adverse impacts on adjacent land uses including, but not limited to, growth of native vegetation and cropping land.

# Soil and land disturbance strategies

*The tenement holder must provide in the PEPR:*

- Strategies for the control of seepage through the TSF base and walls.
- A leak detection program for monitoring seepage through the base of the TSF.
- Quality control arrangements for all stages of construction of the TSF including supervision by appropriately qualified and experienced persons, documented procedures, quality control testing and record keeping.

*+ other requirements for the TSF and WRD set out in 6<sup>th</sup> Schedule Clause 21*

# Soil and landform strategies

## *Strategies from Mineral Lease for Rex to Address in PEPR:*

Rex must develop strategies for the design of waste rock dumps to ensure **no impact from shading to agricultural productivity** for third party land users on or off the Land.

# Weeds

## **Environmental Outcomes and Conditions from Lease:**

The Tenement Holder must, in construction, operation and post mine completion, ensure no introduction of new species of weeds, plant pathogens or pests (including feral animals), nor sustained increase in abundance of existing weed or pest species in the Land compared to adjoining land.

## **Monitoring (Measurement Criteria) from Lease:**

Tenement Holder must address representative baseline data on the presence and abundance of weeds, pests and plant pathogens within the Land prior to commencement of mine operations.

# Communications protocol

Rex must develop (in consultation with the owners of land and to the satisfaction of the Director of Mines) a communication and operating protocol between itself and owners of land adjacent to and on the Land prior to the commencement of mining operations that includes:

- Interaction with landholder operations;
- emergency procedures;
- communications and issue management processes;
- land management;
- dispute resolution;
- ongoing communication about the Tenement Holder's operations;
- receiving and considering feedback;
- safety procedures;
- access protocols; and
- any matters identified by the Director of Mines in writing.

# Mining Regulation Web Links:

**Regulatory Framework** - <https://sarigbasis.pir.sa.gov.au/WebtopEw/ws/samref/sarig1/image/DDD/BROCH005.pdf>

**Ministerial Determinations**

[http://minerals.statedevelopment.sa.gov.au/knowledge\\_centre/ministerial\\_determinations](http://minerals.statedevelopment.sa.gov.au/knowledge_centre/ministerial_determinations)

**Regulatory Guidelines:**

[http://minerals.statedevelopment.sa.gov.au/knowledge\\_centre/regulatory\\_guidelines](http://minerals.statedevelopment.sa.gov.au/knowledge_centre/regulatory_guidelines)

**DPC SARIG Website** – <https://sarig.pir.sa.gov.au/Map>

# Contact

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