



Rehabilitation Cost Estimation Tool

The *Mining Act 1992* and the *Petroleum (Onshore) Act 1991* allow the Minister (or delegate) to impose and vary a security deposit condition on authorisations or titles granted under these Acts. The **security deposit** is required for the fulfilment of obligations under the authorisation or title (hereon in referred to as an authority), including those related to rehabilitation, and obligations that may arise in the future. Authority holders are required to submit a Rehabilitation Cost Estimate (RCE) whenever a potential change in rehabilitation liability occurs and at other key points throughout the tenure of an authority. The RCE is used by the Department to assist in determining the amount of the security deposit required for an authority.

The objective of the Rehabilitation Cost Estimation Tool (the RCE Tool) is to provide exploration, mining and petroleum operators with guidance on calculating an appropriate RCE for their operations by assisting in the assessment and quantification of rehabilitation risks and liabilities pursuant to the *Mining Act 1992 and Petroleum (Onshore) Act 1991*.

Please Note: The RCE Tool does not apply to the sealing of petroleum wells associated with exploration and production activities under the Petroleum (Onshore) Act 1991. Petroleum title holders can use the RCE Tool for guidance on calculating an appropriate RCE for disturbance associated with their activities. However, it is the expectation that a separate estimate is submitted for the sealing of petroleum wells, with the RCE prepared by a suitably qualified expert in consideration of the scale, nature, risks and age associated with petroleum wells specific to the petroleum title. For petroleum production use the Open Cut Button. For petroleum exploration use the Exploration Button.

Prior to calculating a RCE, authority holders using the RCE Tool should refer to *Guideline: Rehabilitation Cost Estimate* and the *Rehabilitation Cost Estimate Tool Handbook* which provide guidance information about, and step by step instructions on how to use, the RCE Tool. The guideline and handbook are available on the Department's website www.resourcesregulator.nsw.gov.au

Calculating a RCE

The framework of the RCE Tool has been developed in accordance with a tiered risk-based approach to calculating rehabilitation costs whereby the outcome of the estimation will be based on the nature, size, scale and complexity of the operation. While the authority holder has the opportunity to nominate unit rates* which are not the same as those in the RCE Tool, any other unit rate proposed by the authority holder must be based on a third party cost as it is assumed that if the authority holder defaults on their responsibility to rehabilitate the mine or exploration operation(s), a contractor will be engaged by the Government to carry out the required rehabilitation works.

Select Type of Mining/Exploration Operations from Buttons Below

By selecting the relevant type of mining/petroleum/exploration operation (below), followed by the **ENTER** button, the worksheet relevant to the operation type will be activated. Each worksheet shows the domains likely to be present for the operation type. A worksheet must be completed, with **ALL** relevant domains, in order to estimate the total rehabilitation costs for the exploration, petroleum operations and/or mining operation.

*Note: The Department may regularly make changes and updates to the spreadsheet as necessary. All authorisation holders are encouraged to use the most recent version of the spreadsheet, available on the Department's website.

Site Registration

Date

February 2024

Complete the following fields prior to calculating the Security Deposit.

Mine Name:	Mount Pleasant Operation		
Lease(s):	ML1645, ML1713, ML1708, ML1709, ML1750, ML1808, ML1829		
Title Holder:	MACH Energy Australia Pty Ltd		
Mine Operator:	MACH Energy Australia Pty Ltd		
Term of RCE:	31/12/2024		
Current Security:	\$99,595,000	Date of last Security Deposit review	1/08/2022
Mine Contact:	Michael Redman		
Position:	General Manager - Operations		
Address:	Mail: PO Box 2115, Dangar NSW 2309 Site: 1100 Wybong Road, Muswellbrook, NSW, 2333		
Phone:	(mob:) 0417 436 473	Email:	michael.redman@machenergy.com.au

Site Description

The following site specific information is requested to provide background information in the context of calculating the Security Deposit.

Summary of Mine Activities

Total annual production (tonnes):

Mine lease area (ha):

Area of extraction (ha):

Area of disturbance (ha):

Rehabilitation in progress (ha):

Rehabilitation complete (ha):
Achieved ecosystem sustainability

Forward Program/MOP Utilised:
Reference no. version and date

Forward Program/MOP Plan Utilised:
Reference Plan no. version and date

Plan(s) attached

Environmental Sensitivities

Surrounding land use (tick all that apply):

- Cropping
- Pasture
- Forest
- Undisturbed habitat
- Urban

Environmental Issues affecting site (tick all that apply)

- Threatened flora
- Threatened fauna
- Cultural heritage items
- Natural heritage features
- Mine subsidence
- Surface water pollution
- Ground water pollution
- Hydrocarbon contamination
- Methane drainage/venting
- Spontaneous combustion
- Acid Mine Drainage
- Within drinking water catchment
- Other (describe below)

NOTE:
 Ensure rehabilitation cost estimation reflects all environmental issues affecting the lease. Contingencies should be allocated where costs have not been incorporated elsewhere in the estimation.
