

Section 1 – Declared dam identification details

Dam name and location *

Mount Pleasant Tailings - Muswellbrook

Type of dam (If a combination, then consider major type) *

Earthfill

Main purpose of dam *

Impound Mineral Residue

Is the dam built on a river, stream or watercourse? *

No

Name of dam owner *

MACH Energy Australia Pty Ltd (MACH

ACN number

608495441

Name of contact person Regulation, subclause 24A (3) *

Andrew Reid

Phone number *

0411440912

Email address *

Andrew.Reid@machenergy.com.au

Website address (if any)

machenergyaustralia.com.au

Section 2 – Dams safety standards

Consequence category of dam – Regulation, Part 3

The dam consequence category is a rating of potential impacts resulting from a dam failure. It must be assessed:

- within 6 months of the dam being declared
- at least once every 15 years
- after any significant change in the number of people likely to be affected by a dam failure
- or if required by Dams Safety NSW. Regulation, subclause 7 (2)

Dam consequence category *

High C ▼

For extreme and high consequence dams only

If the consequence category is extreme or high, the consequence category assessment must be reviewed by a competent person who has not been involved in the assessment process. Regulation, subclause 7(4)

Has an independent review been done?

Yes ▼

Name of independent reviewer
(must be a competent person)

Ralph Holding, ATC Williams

Do you know the date of last consequence category assessment by a competent person? Regulation, subclause 3 (1)

Yes ▼

Date of last consequence category assessment

03/12/2021

Date next consequence category assessment planned *

03/12/2036

Has the number of people likely to be affected by a dam failure changed since the last consequence category review? *

No ▼

How was this checked? *

Study and report by consultant ▼

Dam safety management system - Regulation, Part 5

The dam safety management system is a structured approach to manage all foreseeable risks relating to dam failure. It is designed to be used by the dam owner to ensure, as far as reasonably practicable, the safety of people, property and the environment is not put at risk from the dam. Regulation Part 5, clause 12

Name of individual responsible for ensuring compliance with dam safety management system *

Email *

Documenting the dam safety management system

Is the dam safety management system fully documented?

Does the dam safety management system apply to more than one dam?

Implementing the dam safety management system

Is the dam safety management system fully implemented at this dam? *

Dam safety management system review

Since implementing your dam safety management system, have you reviewed it? *

Yes

Date of last review *

20/12/2022

Assessment of societal and individual risk rating

The owner of a declared dam (other than a proposed dam) must use the risk management framework, Regulation Part 5, clause 14 to produce a written report on all foreseeable risks to the dam:

- at least once every 5 years
- when a major change to the dam is proposed, and
- when required by Dams Safety NSW. Regulation, clause 15

Is your dam above the safety threshold? *

No

Do you know the date of your last risk report?

Yes

Date of last risk report

03/12/2021

Individual risk rating of the dam *

1.69E-06

Societal risk rating of the dam *

1.6E-05

Date of next planned risk report *

02/12/2026

Name of competent person and their organisation who signed off the risk report (if risk report commenced after 1 July 2022)

Name of independent competent person and their organisation who reviewed the report (if risk report commenced after 1 July 2022 - for an extreme, high A or high B consequence dam)

Other safety requirements - Regulation, Part 6

Incident reporting

The declared dam owner must report incidents that happen at or in relation to the dam to Dams Safety NSW. Regulation, clause 19

Have you had any reportable incidents during the 2022 calendar year *

No



Safety review

The declared dam owner must ensure that a safety review to assess the overall safety of the dam is undertaken by:

- for an extreme or high consequence dam, other than a high C consequence dam—a team of at least 2 competent persons, or
- otherwise—a competent person.

The declared dam owner must ensure a safety review is carried out at least once every 15 years, and as soon as practicable after:

- a deficiency or weakness in the dam is identified
- there is a change in the accepted technology or methods used in one of the relevant specialties or design criteria for dams
- the dam consequence category changes, or
- it is required by Dams Safety NSW. Regulation, clause 20

Date of last safety review Regulation, subclause 20(2)

- Date not known
- Review not done yet

Planned date for next safety review *

01/07/2033

For extreme and high consequence dams only

If the dam's consequence category is extreme, high A or high B, the safety review must be reviewed by a panel of at least 2 independent competent persons. Regulation, subclause 20(6)

If Safety Review commenced after 1 July 2022 - names of independent competent reviewers and their organisation

If the dam's consequence category is high C, the safety review must be reviewed by an independent competent person. Regulation, subclause 20(6A)

Name of independent competent reviewer and their organisation

Notification of significant changes to the dam

Before making any significant change to the configuration of the declared dam that may affect the safety of the dam, the dam owner must inform Dams Safety NSW of the proposed change in writing. Regulation, clause 21

Has any significant change to the configuration of the dam been made during the 2022 calendar year? *

Describe the change *

Is any significant change to the configuration of the dam planned? *

Emergency exercises

The declared dam owner must ensure that staff who are involved in the operation of the dam undertake emergency exercises at least once every 3 years. Regulation, clause 22

Have you done a 'theoretical classroom' emergency exercise? *

Yes ▼

Date of last 'theoretical classroom' emergency exercise Regulation, subclause 22(1) *

19/01/2023

Planned date of next 'theoretical classroom' emergency exercise *

19/01/2026

For extreme or high consequence dams only

The declared dam owner must ensure that staff who are involved in operating the dam undertake practical emergency exercises at least once every 5 years, where possible including relevant agencies identified in the emergency plan. Regulation, subclauses 22 (3) and 22 (4)

Have you done a practical emergency exercise?

No ▼

Planned date of next practical emergency exercise

01/10/2024

Design and construction

Do not complete this section unless you are in the design, construction, commissioning, or decommissioning phase

Dam safety management system for design and construction

Does the dam safety management system cover dam design and construction? Regulation, Clause 12(3)

Please select... ▼

Was the risk management framework used or is it currently being used to prepare a risk report at the dam design stage? Regulation, clause 15(2)

Please select... ▼

Certain work must be carried out by a person subject to a quality management system Regulation, subclause 23(1)

Have you ensured that design and construction are carried out by a person subject to an AS ISO 9001:2016 quality management system?

Yes ▼

Independent competent persons must review work involving dam design Regulation, clause 24

For Extreme and High consequence category dams, provide the name of the independent person(s) and their organisation who reviewed or are reviewing the design Regulation, clause 24

John Simmons - specialist
geotechnical engineering services,
conjoint fellow at The University of
Newcastle, Newcastle

For dams still in an early design phase, have you planned an independent competent person design review?

Please select... ▼

Section 3 - Additional information for Dams Safety NSW

Date of last Emergency Plan review

24/01/2023

Date not known

Date of last Operations and Maintenance Plan review

24/01/2023

Date not known

Did you publish the 2021 Annual Dams Safety Standards Report on your website? *

Yes



Section 4 - Attestation

The Attestation of the information provided in the form must be completed by the dam owner office holder(s):

Dam owner	Attesting office holder(s)
Local council	General Manager
Company	<ul style="list-style-type: none"> • 2 directors, or • 1 director and 1 company secretary • The combined director and company secretary (Where there is only 1 director)
Statutory state-owned corporation	Chief Executive Officer or Managing Director responsible for managing the operation of the statutory state-owned corporation in accordance with the general policies and specific directions of the board
Statutory corporation	Corporation with 2 or more members: <ul style="list-style-type: none"> • President, chairperson or another principal officer of the corporation • Sole corporation • The person who constituted the constitution • The person managing the affairs of the corporation
Government department	Secretary
Individual	Individual

Declared dam owner office holder(s) attesting to the accuracy of this report

Name and position of declared dam owner office holder attesting to the accuracy of this report:

Michael Howard, General Counsel and Company Secretary

Signature:

Name and position of declared dam owner office holder attesting to the accuracy of this report:

Ferdian Purnamasidi, Managing Director

Signature: