# **Annual Dams Safety Standards Report 2021**



This report demonstrates the declared dam owner's compliance with the dam safety standards set out in the Dams Safety Regulation 2019 (the Regulation). It covers the named declared dam for the calendar year ending 31 December 2021.

The dam owner (the office holder at the end of this report) attests to the accuracy of the report.

A separate report for each declared dam must be lodged with Dams Safety NSW by 31 March 2022.

#### Section 1 - Declared dam identification details

Dam name	
Dam owner	

# Section 2 - Dams safety standards

#### Consequence category of dam - Regulation, Part 3

The dam consequence category is a rating of the impact that could potentially be caused if the dam failed. 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	
Date of the last	
consequence category	
assessment by a competent	
person	
Has the number of people	
likely to be affected by	
a dam failure changed	
since the last consequence	
category review?	
How was this checked?	



#### For extreme and high consequence dams only

If the consequence category is Extreme, High A, High B, or High C, the consequence category assessment must be reviewed by an independent competent person - Regulation, subclause 7(4)

Date of last independent review of the	
consequence category assessment	
Name of independent reviewer (must	
be a competent person)	

## Dams safety standard - Dam safety management system - Part 5

The dam safety management system provides a comprehensive and integrated system to manage all aspects of 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 and property is not put at risk from the dam.

- Regulation Part 5

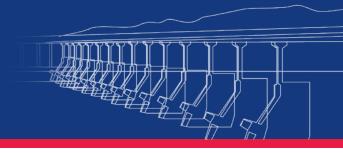
# Documenting the dam safety management system

Is the dam safety management system fully documented?	Yes No
If not, what percentage of the dam safety management system documentation is complete?	
How did you confirm this percentage? (eg draft review, version approved)	
Does the dam safety management system apply to more than one dam?	Yes No

#### Documenting the dam safety management system

Is the dam safety management system fully implemented for this dam?	Yes No
If not, what percentage of the dam safety management system is implemented?	
How did you confirm this percentage? (eg internal audit, key staff statements)	





## Dam safety management system review

The declared dam owner must ensure the dam safety management system is reviewed each year to ensure it remains effective. Regulation, clause 17

Date of last safety management	
system review	

# Assessment of societal and individual risk rating

The owner of a declared dam (other than a proposed dam) must use the risk management framework 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, subclause 15 (1)

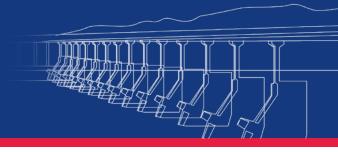
Date of last risk report	
Individual risk rating of the dam	
Societal risk rating of the dam	
Date of next planned risk report	

# Other safety requirements - 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

Number of incidents during the 2021	
calendar year	
Topic/subject of each incident(s)	



#### Safety review

The declared dam owner must ensure a competent person conducts a safety review 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.

R	eau	lation.	clause	20

Date of last safety review	
(Regulation, subclause 20(2))	
Planned date for next safety review	

#### For extreme and high consequence dams only

If the consequence category is Extreme, High A, High B, or High C, the safety review must be reviewed by an independent competent person - Regulation, subclause 20(6)

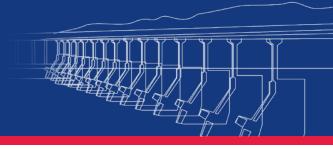
Name of independent reviewer	
(must be a competent person)	

## 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 2021 calendar year?	Yes No
If yes, describe the change	
Is any significant change to the configuration of the dam planned?	
If yes, describe the change and when it is planned to happen?	



#### **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

Date of last 'theoretical classroom' emergency exercise	
(Regulation, subclause 22(1))	
Planned date of next 'theoretical	
classroom' emergency exercise	

# 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)

Date of last practical emergency	
exercise	
Planned date of next practical	
emergency exercise	

# **Design and construction**

This section is for dams in the design/construction/commissioning/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)	
Was the risk management framework	
used to prepare a risk report at the dam	
design stage?	
Regulation, clause 15(2)	

#### Certain work must be carried out by a person subject to a quality management system

Regulation, subclause 23(1)

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





# A competent person must check work involving dam design

Regulation, clause 24

For extreme or high consequence	
dams, provide the name of the	
independent person who checked	
the design (Regulation, clause 24)	
For dams still in an early design phase, have you planned independent competent person design checks/reviews?	Yes No

# **Attestation**

This attestation must be signed by the dam owner office holder(s) as follows:

Dam owner	Attesting office holder(s)
Local council	General Manager
Company	<ul> <li>2 directors, or</li> <li>1 director and 1 company secretary</li> <li>The combined director and company secretary (Where there is only 1 director)</li> </ul>
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:  • 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 signature of declared dam owner office holder attesting to the accuracy of this report	
Position of the declared dam owner office holder attesting to the accuracy of this report	
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