

# State code 19: Category 3 levees

## 19.1 Purpose statement

The purpose of this code is to ensure the community's **resilience** to the impacts of flood events, **levee** failure, or **levee** overtopping is maintained or enhanced by the **category 3 levee**.

Note: Further information on category 3 levees and guidance on how to demonstrate compliance with the provisions of this code is provided in the current version of the guidance document called Guidelines for the construction or modification of category 2 and 3 levees, available on DNRM's website.

## 19.2 Performance outcomes and acceptable outcomes

Development that is operational work for a **category 3 levee** should demonstrate compliance with the relevant provisions in table 19.2.1.

**Table 19.2.1 Operational work for a category 3 levee**

Performance outcomes	Acceptable outcomes
<p><b>PO1</b> People and properties impacted by the <b>category 3 levee</b> have been made aware of the benefits and impacts created by the development.</p>	<p><b>AO1.1</b> A vulnerability and tolerability assessment report is provided.</p> <p>AND</p> <p><b>AO1.2</b> A report identifying the benefits and impacts to people and property under pre and post <b>category 3 levee</b> conditions across a range of flood event scenarios is provided.</p> <p>Note: The range of flood event scenarios addressed in the report should include all the following:</p> <ol style="list-style-type: none"> <li>1. 10, 20, 30, 40, 50 and 100 year average recurrence interval (ARI) design events</li> <li>2. design flood event</li> <li>3. an overtopping scenario that will result in the largest impact on people and properties as a result of the <b>category 3 levee's</b> construction.</li> </ol>
<p><b>PO2</b> Appropriate disaster management processes are in place to maintain or enhance the <b>resilience</b> of the community in the event of <b>levee</b> failure or overtopping.</p>	<p><b>AO2.1</b> A <b>levee</b> operations and maintenance manual is provided.</p> <p>Note: It is recommended that a Registered Professional Engineer of Queensland (RPEQ) prepare the operations and maintenance manual.</p> <p>AND</p> <p><b>AO2.2</b> The emergency action plan in the Local Government's Local Disaster Management Plan is updated to reflect changes as a result of the <b>category 3 levee</b>.</p>

## 19.3 Reference documents

Department of Natural Resources and Mines 2014, [Guidelines for the construction and modification of levees](#)

## 19.4 Glossary of terms

**Category 3 levee** see the Water Regulation 2016.

Note: **Category 3 levee** means a **levee** that has off-property impacts and affects three or more impacted people.

**Levee** see schedule 4 of the *Water Act 2000*.

Note: **Levee** means an artificial embankment or structure which prevents or reduces the flow of overland flow water onto or from land. A **levee** includes **levee**-related infrastructure.

**Resilience** means the ability to adapt to changing conditions and prepare for, withstand and rapidly recover from disruption.

## 19.5 Abbreviations

**RPEQ** – Registered Professional Engineer of Queensland

**ARI** – Average Recurrence Interval