Rule 25 Hazard Classification

025. Hazard Classification.

01. Hazard Classification. The following table describes categories of hazard used by the Department to classify water storage dams and mine tailings impoundment structures relative to the potential failure consequences estimated for downstream locations. The listed hazard categories are meant to serve as guidelines for implementing design, construction, and operation criteria used by the regulator and the design engineer; however, subject to final interpretation by the Director for benefit of public safety.

02.

Hazard Category	Downstream Development	Estimated Loss of Life	Economic Losses
Low	Undeveloped property, no permanent or permanently occupied structures for human habitation.	No loss of life	Low probability for economic loss or damage to or disruption of a lifeline or other infrastructure.
Significant	No concentrated urban development, 1 or more permanent structures for human habitation within the flood zone that are potentially inundated with flood water at a depth of two (2) feet or less.	Loss of life is unlikely to occur	Significant damage to agricultural, commercial, or industrial facilities; damage to or the disruption of transportation, utilities or other public facilities or values including environmental loss.
High	Urban development, or any structure for permanent or temporary human habitation which are potentially inundated with flood water at a depth greater than or equal to two (2) feet	High probability for loss of life	Major damage to agricultural, commercial or industrial facilities; damage to or the disruption of transportation, utilities or other public facilities or values including prolonged environmental loss.

03. Determination of Hazard Classification. The Director shall determine the hazard category of a new or existing water storage dam or mine tailings impoundment structure.