

Table 1. Current Design Basis Flood Hazards for Use in the MSA

Mechanism	Stillwater Elevation	Waves/Runup	Design Basis Hazard Elevation	Reference
Local Intense Precipitation	601.9 ft MSL	Not applicable	601.9 ft MSL	FHRR Section 2.2.2
Streams and Rivers				
PMF on Mazon River	582.0 ft MSL	2.0 ft	584.0 ft MSL	FHRR Section 2.2.2
PMF on Cooling Pond	598.2 ft MSL	4.1 ft	602.3 ft MSL	FHRR Section 2.2.4
Failure of Dams and Onsite Water Control/Storage Structures	No impact on the site identified	No impact on the site identified	No impact on the site identified	FHRR Section 2.2.3
Storm Surge	No impact on the site identified	No impact on the site identified	No impact on the site identified	FHRR Section 2.2.5
Seiche	No impact on the site identified	No impact on the site identified	No impact on the site identified	FHRR Section 2.2.5
Tsunami	No impact on the site identified	No impact on the site identified	No impact on the site identified	FHRR Section 2.2.6
Ice-Induced Flooding				
Ice jam flooding - Near Intake	555.0 ft MSL	Not applicable	555.0 ft MSL	FHRR Section 2.2.7

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Channel Migrations/Diversions	No impact on the site identified	No impact on the site identified	No impact on the site identified	FHRR Section 2.2.8

Note: Reported values are rounded to the nearest one-tenth of a foot.

Table 2. Reevaluated Flood Hazards for Flood-Causing Mechanisms for Use in the MSA

Mechanism	Stillwater Elevation	Waves/ Runup	Reevaluated Hazard Elevation	Reference
Streams and Rivers				
PMF on Cooling Pond	599.4 ft MSL	2.5 ft	601.9 ft MSL	FHRR Table 4.4
PMF on Mazon River	594.3 ft MSL	1.5 ft	595.8 ft MSL	FHRR Table 4.3

Note 1: The licensee is expected to develop flood event duration parameters and applicable flood associated effects to conduct the MSA. The staff will evaluate the flood event duration parameters (including warning time and period of inundation) and flood associated effects during its review of the MSA.

Note 2: Reevaluated hazard mechanisms bounded by the current design basis (see Table 1) are not included in this table.

Note 3: Reported values are rounded to the nearest one-tenth of a foot.