

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	Not included in DB	Not included in DB	Not included in DB	Staff Assessment
Streams and Rivers Flooding in Reservoirs - Keowee Reservoir (not calculated at Power Block)	808.0 ft MSL	Not applicable	808.0 ft MSL	Staff Assessment
Failure of Dams and Onsite Water Control/Storage Structures	Not included in DB	Not included in DB	Not included in DB	Staff Assessment
Storm Surge	Not included in DB	Not included in DB	Not included in DB	Staff Assessment
Seiche	Not included in DB	Not included in DB	Not included in DB	Staff Assessment
Tsunami	Not included in DB	Not included in DB	Not included in DB	Staff Assessment
Ice-Induced Flooding	Not included in DB	Not included in DB	Not included in DB	Staff Assessment
Channel Migrations/Diversions	Not included in DB	Not included in DB	Not included in DB	Staff Assessment

Note 1: 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
Local Intense Precipitation	800.4 ft MSL	Minimal	800.4 ft MSL	FHRR Section 3.1
Streams and Rivers Streams and Rivers (Flooding in Reservoirs, Keowee)	808.9 ft MSL	3.3 ft	812.2 ft MSL	FHRR Section 3.2
Failure of Dams and Onsite Water Control/Storage Structures [Redacted]	 [Redacted]	 [Redacted]	 [Redacted]	 [Redacted]

Note 1: The licensee is expected to develop flood event duration parameters and applicable flood associated effects to conduct the MSA consistent with the guidance. The NRC staff has reviewed information related to flood event duration parameters (including warning time and period of inundation).

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.