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				
LIP Zone 1 (North portion of site)	710.1 ft MSL	Not applicable	710.1 ft MSL	FHRR Section 2.2.1
LIP Zone 2 (South portion of site)	710.3 ft MSL	Not applicable	710.3 ft MSL	FHRR Section 2.2.1
Streams and Rivers				
Riverine	521.8 ft MSL	0.7 ft	522.5 ft MSL	USFAR Revision 19 Section 2.4.3 FHRR Section 2.2.2
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				
PMF on Lake at Dike	704.3 ft MSL	2.9 ft	707.2 ft MSL	FHRR Section 2.2.4
PMF on Cooling Lake at Plant	704.3 ft MSL	1.3 ft	705.6 ft MSL	FHRR Section 2.2.4
PMF on Cooling Lake at Lake Screen House	704.3 ft MSL	1.8 ft	706.1 ft MSL	FHRR Section 2.2.4
Seiche	Not included in DB	Not included in DB	Not included in DB	FHRR Section 2.2.5
Tsunami	Not included in DB	Not included in DB	Not included in DB	FHRR Section 2.2.6

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

Mechanism	Stillwater Elevation	Waves/ Runup	Design Basis Hazard Elevation	Reference
Ice-Induced Flooding	No impact on the site identified	No impact on the site identified	No impact on the site identified	FHRR Section 2.2.7
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
Local Intense Precipitation				
LIP for entire site	710.8 MSL	Minimal	710.8 MSL	FHRR Section 3.1
Storm Surge				
Lake screen house	701.0 MSL	9.6 ft	710.6 MSL	FHRR Section 3.4.4
Inlet structure	701.0 MSL	11.0 ft	712.0 MSL	FHRR Section 3.4.4

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.