

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	620.5 ft NGVD29	Minimal	620.5 ft NGVD29	FHRR Rev. 0 Section 2.1.1 & Table 2
Streams and Rivers				
Major Stream	624.0 ft NGVD29	Not applicable	624.0 ft NGVD29	FHRR Rev. 0 Section 2.1.2 & Table 2
Minor Stream	619.5 ft NGVD29	Not applicable	619.5 ft NGVD29	FHRR Rev. 0 Section 2.1.2 & Table 2
Failure of Dams and Onsite Water Control/Storage Structures	Not included in DB	Not included in DB	Not included in DB	FHRR Rev. 0 Section 2.1.3 & Table 2
Storm Surge				
High Water	580.5 ft NGVD29	27.4 ft	607.9 ft NGVD29	FHRR Rev. 0 Section 2.1.4 & Table 2 FHRR Rev. 0 Section 2.1.8 & Table 2
Seiche				
Seiche is Combined with Storm Surge in CDB	Not included in DB	Not included in DB	Not included in DB	FHRR Rev. 0 Section 2.1.4 & Table 2
Tsunami	Not included in DB	Not included in DB	Not included in DB	FHRR Rev. 0 Section 2.1.5 & Table 2
Ice-Induced Flooding	No Impact on the Site Identified	No Impact on the Site Identified	No Impact on the Site Identified	FHRR Rev. 0 Section 2.1.6 & Table 2

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Mechanism	Stillwater Elevation	Waves/ Runup	Design Basis Hazard Elevation	Reference
Channel Migrations/Diversions	Not included in DB	Not included in DB	Not included in DB	FHRR Rev. 0 Section 2.1.7 & Table 2

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				
Power Block	621.3 ft NGVD29	Minimal	621.3 ft NGVD29	FHRR Rev 1 Section 3.8.4 & Table 5
North of Power Block at the Service Water Pumphouse Building and the Emergency Service Water Pumphouse Building	620.5 ft NGVD29	Minimal	620.5 ft NGVD29	FHRR Rev 1 Section 3.8.4
Streams and Rivers				
Major Stream	628.5 ft NGVD29	Not applicable	628.5 ft NGVD29	FHRR Rev. 1 Section 3.1.4 & Table 5
Minor Stream	619.7 ft NGVD29	Not applicable	619.7 ft NGVD29	FHRR Rev. 1 Section 3.1.4 & Table 5
Storm Surge				
High Water: East of the Power Block Along the Shoreline Bluff Slopes (Probable Maximum Storm Surge Resulting from a Probable Maximum Wind Storm)	581.9 ft NGVD29	27.6 ft	609.5 ft NGVD29	FHRR Rev. 1 Section 3.7.4 & Table 5

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.

Note 4: "The Perry Local datum is originally based on and within the tolerance levels of the NGVD 29 datum." (Reference: FHRR Rev. 1 Section 3)