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	FHRR Table 3.0-1
Streams and Rivers	No Impact on the Site Identified	No Impact on the Site Identified	No Impact on the Site Identified	FHRR Table 3.0-1
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 Table 3.0-1
Storm Surge				
PMH Flooding West Side	22.7 MSL	1.3 ft	24.0 MSL	FHRR Section 3.9
PMH Flooding East Side	22.7 MSL	5.9 ft	28.6 MSL	FHRR Section 3.9
Seiche	No Impact on the Site Identified	No Impact on the Site Identified	No Impact on the Site Identified	FHRR Table 3.0-1
Tsunami	No Impact on the Site Identified	No Impact on the Site Identified	No Impact on the Site Identified	FHRR Table 3.0-1
Ice-Induced Flooding	Not included in DB	Not included in DB	Not included in DB	FHRR Table 3.0-1

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

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 Table 3.0-1

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				
Site-specific PMP	29.4 MSL	Minimal	29.4 MSL	FHRR Table 3.0-1 and Section 2.1.4
Failure of Dams and Onsite Water Control/Storage Structures				
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
Storm Surge				
Deterministic PMSS with James River 25-year Flood, East Side of Plant, Low Level Intake Structure	24.2 MSL	14.6 ft	38.8 MSL	FHRR Section 2.9-7
Deterministic PMSS with James River 25-year Flood, West Side of Plant	24.2 MSL	Minimal	24.2 MSL	FHRR Table 2.9-4, FHRR Section 2.9.2.2, and FHRR Section 2.9.1.1

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: Onsite Structure Failure flood causing mechanism elevations are reported as the highest elevations at specific door locations; it appears from the FHRR that the licensee may intend to specify a different flood elevation for each door, based on model output.