

**Geologic
Map Units**

Descriptions

<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #f0e68c; display: inline-block; margin-bottom: 5px;"></div> Hal	Alluvium: Undifferentiated on smaller streams.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #c07040; display: inline-block; margin-bottom: 5px;"></div> Hmm1	Mississippi River meander belts: Areas of channel deposition related to lateral migration of past and present river. Final course positions are indicated but abandoned channels (cutoffs) are not delineated.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #c07040; display: inline-block; margin-bottom: 5px;"></div> Hmm2	
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #f0e68c; display: inline-block; margin-bottom: 5px;"></div> Hmm3	
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #f0e68c; display: inline-block; margin-bottom: 5px;"></div> Hmm4	
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #d3d3d3; display: inline-block; margin-bottom: 5px;"></div> Ac	Abandoned river course: Last course within each meander belt.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #c07040; display: inline-block; margin-bottom: 5px;"></div> Hma4	Arkansas River meander belts: Areas of channel deposition related to lateral migration of past Arkansas River courses.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #909090; display: inline-block; margin-bottom: 5px;"></div> Hb	Backswamp: Areas of overbank deposition not directly affected by meandering channels.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #d3d3d3; display: inline-block; margin-bottom: 5px;"></div> Pve2-4	Valley train of early Wisconsin glaciation: Terraced outwash deposits of braided streams; five levels are recognized. Stippled pattern indicates surficial loess deposits.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #f0e68c; display: inline-block; margin-bottom: 5px;"></div> Pp	Prairie Complex: A diverse depositional sequence of the Mississippi River, its tributaries, and costal plain streams; includes terraces, fluvial (meander belt and braided stream), colluvial, estuarine, deltaic, and marine units deposited over a considerable part of the late Pleistocene (Wisconsin to Sangamon); three levels are recognized but not mapped.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #d3d3d3; display: inline-block; margin-bottom: 5px;"></div> Ptu	Pleistocene Terrace: Undifferentiated, probably Prairie Complex (Pp) stippled pattern indicates surficial loess deposits.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #f0e68c; display: inline-block; margin-bottom: 5px;"></div> Pu	Upland complex: Fluvial deposits from both glacial and non-glacial sources. Stippled pattern indicates surficial loess deposits.
<div style="border: 1px solid black; width: 40px; height: 15px; background-color: #c07040; display: inline-block; margin-bottom: 5px;"></div> Tm	Tertiary and older formations: Undifferentiated. Stippled pattern indicates surficial loess deposits.

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GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

GEOLOGIC MAP UNIT DESCRIPTIONS
FOR GEOLOGIC MAP OF SITE VICINITY