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# NRC Inventory of Dams

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**U.S. Nuclear Regulatory  
Commission**

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## Appendix A

### Summary of Dams and Water Sources Associated with Nuclear Power Plant Sites

Arkansas	Midland
Bailly	Millstone
Beaver Valley	Monticello
Bellefonte	Nine Mile Point
Big Rock Point	North Anna
Braidwood	Oconee
Browns Ferry	Oyster Creek
Brunswick	Palisades
Byron	Palo Verde
Callaway	Peach Bottom
Calvert Cliffs	Perry
Catawba	Pilgrim
Clinton	Point Beach
Comanche Peak	Prairie Island
Cook	Quad Cities
Cooper Station	Rancho Seco
Crystal River	River Bend
Davis-Besse	Robinson
Diablo Canyon	Salem
Dresden	San Onofre
Duane Arnold	Seabrook
Farley	Sequoyah
Fermi	Shoreham
Fitzpatrick	Skagit/Hanford
Fort Calhoun	South Texas
Fort St. Vrain	St. Lucie
Ginna	Summer
Grand Gulf	Surry
Haddam Neck	Susquehanna
Harris	Three Mile Island
Hartsville	Trojan
Hatch	Turkey Point
Hope Creek	Vermont Yankee
Humboldt Bay	Vogtle
Indian Point	WNP 1, 2, 4
Kewaunee	WNP 3, 5
LaCrosse	Waterford
LaSalle	Watts Bar
Limerick	Wolf Creek
Maine Yankee	Yankee Rowe
Marble Hill	Yellow Creek
McGuire	Zimmer
	Zion

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Plant Name (Units)	On-Site Dams		Off-Site Dams (Regulatory Agency)	Other Water Sources (Comments)
	Cat I	Non-Cat I		
Arkansas (2)	-	-	Dardanelle (N) (COE)	Dugout spray pond on-site (E)
Bailly (1)	-	-	-	Lake Michigan (B)
Beaver Valley (2)	-	-	Montgomery Lock & Dam (COE)	Ohio River (B) Montgomery Lock & Dam is 3 miles upstream
Bellefonte (2)	-	-	Guntersville (N) (TVA)	Emergency intake in Tennessee River Channel (E)
Big Rock Point (1)	-	-	-	Lake Michigan (B)
Braidwood (2)	-	1(N)	-	Kankakee River supplies on-site impoundment. Emergency water in depression in bottom of impoundment.
Browns Ferry (3)	-	-	Wheeler (N) (TVA)	Emergency intake in Tennessee River Channel (E)
Brunswick (2)	-	-	-	Intake from Snows Marsh, fed from Cape Fear River (B). Discharge to Atlantic Ocean.
Byron (2)	-	-	-	Big Rock River (B)
Callaway (2)	-	-	-	Missouri River (N) Dugout pond on-site (E)

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Calvert Cliffs (2)	-	-	-	Chesapeake Bay (B)
Catawba (2)	1 (E)	-	Lake Wylie (N) (FERC)	Cat. I dam isolates an arm of Lake Wylie
Clinton (1)	1 (E)	1 (N)	-	Cat. I dam is submerged
Comanche Peak (2)	1 (E)	1 (N)	-	Cat I dam isolates an arm of non-Cat. I (Squaw Creek Reservoir).
Cook (2)	-	-	-	Lake Michigan (B)
Cooper Station (1)	-	-	-	Missouri River (B)
Crystal River (1)	-	-	-	Gulf of Mexico (B)
Davis-Besse (1)	-	-	-	Lake Erie (B) Dike on-site separates marsh from Lake (per Bureau of Sports Fisheries & Wildlife).
Diablo Canyon (2)	-	-	-	Pacific Ocean (B)

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Dresden (3)	-	1 (N)	Dresden Island (N) (COE)	Cooling water is pumped from Dresden Island reservoir into on-site impoundment (Spray Pond) via canals that hold emergency supply of 9 million gallons (E).
Duane Arnold (1)	-	-	-	Cedar River (B)
Farley (2)	1 (B)	-	-	Chatahoochee River provides make-up for on-site impoundment that supplies cooling towers.
Fermi (1)	-	-	-	Lake Erie (B)
Fitzpatrick (1)	-	-	-	Lake Ontario (B)
Fort Calhoun (1)	-	-	-	Missouri River (B)
Fort St. Vrain (1)	-	-	-	South Platte River and St. Vrain Creek (N) Two dugout spray ponds on-site (E)
Ginna (1)	-	-	-	Lake Ontario (B)
Grand Gulf (2)	-	-	-	Wells beside Mississippi River (N). Basin under cooling towers (E).

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	Cat I	Non-Cat I		
Haddam Neck (1)	-	-	-	Connecticut River (B)
Harris (4)	1 (E) 1 (N)		-	Cat. I dam isolates an arm of on-site Main Reservoir
Hartsville (2)	-	-	-	No information obtained
Hatch (2)	-	-	-	Altamaha River provides make-up for cooling towers (B)
Hope Creek (2)	-	-	-	Delaware River (B)
Humboldt Bay (1)	-	-	-	Humboldt Bay (B)
Indian Point (3)	-	-	-	Hudson River (B)
Kewaunee (1)	-	-	-	Lake Michigan (B)
LaCrosse (1)	-	-	-	Mississippi River (B)
LaSalle (2)	-	1 (N)	-	Illinois River provides water to impoundment; emergency water in depression at bottom (E).
Limerick (2)	-	-	-	Schuylkill River (N) Dugout spray ponds on-site (E)
Maine Yankee (1)	-	-	-	Black River (B)

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	Cat I	Non-Cat I		
Marble Hill (2)	-	-	-	Ohio River (B)
McGuire (2)	1 (E)	1	Cowans Ford (N) (FERC)	Non-Category I dam is for wastewater storage
Midland (2)		1 (N)		Tittabawassee River provides water to non-Category I impoundment, emergency water in depression at bottom of impoundment (E).
Millstone (3)	-	-	-	Long Island Sound (B)
Monticello (1)	-	-	-	Mississippi River provides normal make-up water for cooling towers (N). Emergency makeup water beneath cooling towers (E).
Nine Mile Point (2)	-	-	-	Lake Ontario (B)
North Anna (3)	2 (E)	1 (B)	-	North Anna Dam provides normal cooling water. It also provides makeup water to the independent emergency impoundment. Due to its Category I design it operates during both normal and emergency modes.

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	Cat I	Non-Cat I		
Oconee (3)	1(E)	-	Lake Keowee (N) Little River (N) Jocassee (all FERC)	Jocassee Dam is 10 miles upstream. Cat. I Dam is submerged within Lake Keowee (impounded by both Lake Keowee and Little River Dam).
Oyster Creek (1)	-	-	-	Intake from Forked River (B). discharge to Oyster Creek. Small fire protection pond on-site.
Palisades (1)	-	-	-	Lake Michigan (B)
Palo Verde (3)	-	-	-	City wastewater treatment plants provides make-up for cooling towers which is stored in an on-site pond (N). On-site spray ponds (E).
Peach Bottom (2)	-	-	Conowingo (B) (FERC)	Conowingo Reservoir provides make-up for cooling towers.
Perry (2)	-	-	-	Lake Erie (B)
Pilgrim (1)	-	-	-	Cape Cod Bay (B)
Point Beach (2)	-	-	-	Lake Michigan (B)

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Prarie Island (2)	-	-	-	Mississippi River (B)
Quad Cities (2)	-	-	-	Mississippi River (B)
Rancho Seco (1)	-	-	Rancho Seco (N) (FERC)	Folsom South Canal (supplemented by Rancho Seco Reservoir) provides make-up water to cooling towers (N). Dugout spray ponds on-site (E).
River Bend (1)	-	-	-	Mississippi River provides make-up for cooling towers (B)
Robinson (1)	-	-	Lake Robinson (B) (FERC)	-
Salem (2)	-	-	-	Delaware River (B)
San Onofre (3)	-	-	-	Pacific Ocean (B)
Seabrook (2)	-	-	-	Atlantic Ocean provides normal make-up for cooling towers (N). Wells on-site provide emergency make-up (E).
Sequoyah (2)	-	-	Chickamauga (N) (TVA)	Emergency intake in Tennessee River channel (E).

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	Cat I	Non-Cat I		
Shoreham (1)	-	-	-	Long Island Sound (B)
Skagit/Hanford (2)	-	-	-	Columbia River provides normal make-up for cooling towers (N). Buried tank on-site provides emergency make-up. (E).
South Texas (2)		1 (N)	-	Colorado River supplies on-site cooling pond (N). Dugout pond on-site (E).
St. Lucie (2)	-	-	-	Atlantic Ocean (B). Alternate Cat. I intake structure provided.
Summer (1)	3 (E)		(3) Frees Creek (N) (FERC)	3 Category I dams isolate arm of Frees Creek Reservoir.
Surry (2)	-	-		James River (B)
Susquehanna (2)	-	-		Susquehanna River provides normal make-up for cooling towers (N). Dugout pond on-site (E).
Three Mile Island (2)	-	-	-	Susquehanna River (B)
Trojan (1)	-	-	-	Columbia River (B)
Turkey Point (2)	-	-	-	Biscayne Bay provides make-up for 2000 acres of cooling canals (B).

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Vermont Yankee (1)	-	-	Vernon Lake (B) (FERC)	Lake provides make-up for emerg. cooling towers.
Vogtle (2)	-	-	-	Savannah River (N). Wet cooling tower basin provides emergency make-up for cooling towers (E).
WNP 1, 2, 4 (3)	-	-	-	Columbia River (N). Dugout spray ponds on-site (E).
WNP 3, 5 (2)	-	-	-	Wells on-site provide normal make-up for cooling towers (N) Wet cooling tower basin provides emergency make-up water (E).
Waterford (1)	-	-	-	Mississippi River (N). Wet cooling tower basin provides emergency make-up water for cooling towers (E).
Watts Bar (2)	-	-	Watts Bar, Chickamauga (N) (both TVA)	Emergency intake in Tennessee River channel (E). Watts Bar Dam is 2 miles upstream.
Wolf Creek (1)	1 (E)	6 (N)		Category I Dam is submerged. Main dam and 5 saddle dams form non-Cat. I reservoir.
Yankee Rowe (1)	-	-	Harriman, Sherman (B) (both FERC)	Harriman Dam is 6-miles upstream.

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	Cat II	Non-Cat I		
Yellow Creek (1)	-	-	Pickwick Landing (N) (TVA)	Dugout spray ponds onsite (E).
Zimmer (1)	-	-	-	Ohio River provides make-up for cooling towers (B).
Zion (2)	-	-	-	Lake Michigan (B).
85 plants	14	15	22	
148 units				

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