

Oyster Creek Nuclear Generating Station
FSAR Update

TABLE 9.1-10
(Sheet 1 of 2)

HEAVY LOADS⁽¹⁾ CARRIED BY THE REACTOR BUILDING CRANE*

<u>Load</u>	<u>Safety⁽²⁾ Class</u>	<u>Weight (Tons)</u>	<u>Lifting Device</u>
Drywell Head	1/3	62	Head Strongback
Reactor Vessel Head	1/3	75.3	Head Strongback
Cavity Shield Plugs (eight provided)	3	85 ea.	Slings, Shackles, and Adapters
Reactor Vessel Head Insulation	3	5	Slings
Steam Dryer	1/3	26	Steam Dryer/ Separator Sling Assembly (Wet Lift Rig)
Steam Separator	1/3	44	Steam Dryer/ Separator Sling Assembly (Wet Lift Rig)
Fuel Pool Gates (two provided)	2	Approx. 1	Slings, Shackles
Spent Fuel Cask	2/3	Note 4	Associated Cask Yoke
Fuel Transfer Shield ("Cattle Chute")	2	16.5	Slings, Shackles
Equipment Storage Pool Shield Plugs (four provided)	2/3	37.5 to 39 ⁽³⁾	Slings and Adapters (Dry Lift) Equipment Storage Pool Shield Plug Strongback (Wet Lift Rig)
Dryer/Separator Sling Assembly	2	3	Main Hook

* For footnotes, see Sheet 2 of 2.

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TABLE 9.1-10
(Sheet 2 of 2)

HEAVY LOADS⁽¹⁾ CARRIED BY THE REACTOR BUILDING CRANE*

<u>Load</u>	<u>Safety⁽²⁾ Class</u>	<u>Lifting (Tons)</u>	<u>Device</u>
Fuel Storage Pool Shield Plugs (four provided)	2/3	4.5 ea	Slings, Shackles
Plant Equipment	3	less than 20 tons	Slings
New Fuel and Shipping Containers	3	1	Slings
Head Strongback	2	3.75 ⁽⁵⁾	Main Hook
Stud Tensioner Assembly	2	24 ⁽⁶⁾	Main Hook
Equipment Storage Pool Shield Plug Strongback	2/3	3	Main Hook
Dry New Fuel Storage Vault Plugs	3	3	Slings
Auxiliary Work Platform	3	2.75	Slings

1. NUREG 0612 defines a heavy load as one that weighs more than the combined weight of a single fuel assembly and its associated handling tool. For reference, the weight of a spent fuel assembly and its handling tool at Oyster Creek is approximately 800 lbs.
2. Safety Class designations are explained in Table 9.1-9.
3. The top Equipment Storage Pool Shield Plug weighs 39 tons; the remaining three plugs weigh 37.5 tons each.
4.

NAC-1:	30 Tons, Base Plate – 4 Tons
GE-200:	5 Tons
TN-9:	40 Tons, Base Plate – 3 Tons
CN-355	29 Tons, Base Plate – 4 Tons
FSV	24 Tons, Base Plate – 3 Tons
5. Does not include weight of the six turnbuckles, clevises, and shackles that are normally fastened to strongback.
6. Includes four tensioners, four trolleys, traction motor, nuts washers, thread protectors, four studs, hydraulic pump, hose manifold, hoses.