

Possible grouping of plants for the  
purpose of performing generic as well  
as individual plant break spectrum analyses.

CURRENT DOCKETED

APPLICATIONS

800316025<sup>3</sup>

BABCOCK AND WILCOX

CATEGORY I: 177 FA w/Lowered Loops Arrangement

Re-analysis (Safety Order Plants):

Oconee 1, 2, 3      -- IIA  
2568  
Three Mile Island 1   -- IIA  
2535  
Arkansas Power 1    -- IIA  
2563  
Rancho Seco          -- IIA  
2772

} These plants must resubmit at  
least 3 breaks. (They will do  
so by reference to a complete  
break spectrum reanalysis sub-  
mitted generically by B&W.)

New OLS:

Three Mile Island 2 --IIB(2)  
2772  
Crystal River 3    --IIB(2)  
2452  
Midland 1, 2        --IIB(2)

} Since these plants are the same  
design as the above plant, they  
may reference the same reanalysis  
of the complete spectrum above.

New CPs:

None

CATEGORY II: 177 FA w/Raised Loop Arrangement

New OLS:

Davis Besse 1        --IIB

Complete spectrum required.

New CPs

Davis Besse 2, 3    --IIB

Complete spectrum required.

CATEGORY III: 205-FA Plants

New OLS:

None

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New CPs:

Bellefonte 1, 2 -- IIB  
Greenwood 2, 3 -- IIB  
WPPSS 1, 4 -- IIB  
Pebble Springs 1, 2 -- IIB

} Complete spectrum required.  
(Plans are for all to reference  
a complete spectrum submitted  
probably, on WPPSS.)

CATEGORY IV: 145-FA Plants

New Ols:

None

New CPs:

North Anna 3, 4 -- IIB  
Surry 3, 4 -- IIB

} Complete spectrum required.  
(One will probably reference  
the other.)

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GENERAL ELECTRIC

BWR-2 Oyster Creek -- LP\* Complete spectrum required. (IIIA)\*\*  
Nine Mile Point -- Reference only required. (IIIA)  
BWR-3 Quad Cities 2 -- LP\* Complete spectrum required. (IIIA)\*\*  
2511  
Millstone -- IIIA - 3 breaks required  
2011  
Monticello -- IIIA - 3 breaks required  
1670  
Dresden 2, 3 -- IIIA }  
2527 } May reference LP  
Quad Cities 1 -- IIIA }  
2511 }  
Pilgrim -- IIIA - 3 breaks required  
1998  
BWR-4 Without fix Hatch 1 -- LP\* Complete spectrum required. (IIIA)\*\*  
2436

Peach Bottom 2, 3 -- IIIA }  
3293 } Complete spectrum required. One  
Browns Ferry 1, 2, 3 -- IIIA } may reference the other.  
3293 }  
Cooper -- IIIA }  
2381 }  
Fitzpatrick -- IIIA }  
2436 }  
Duane Arnold -- IIIA - 3 breaks required }  
1658 }  
Hatch 2 -- IIIA }  
2436 }  
Brunswick 1 -- IIIA }  
2436 }  
Shoreham -- IIIB }  
Fermi -- IIIB }  
Newbold -- IIIB }  
(3 breaks required.  
Hatch 1 may serve  
as a reference  
for the others.)

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\* Lead Plant

\*\* Original break spectrum not wholly in conformance with 10CFR50, Appendix K.

BWR-4 With ... Brunswick 2 (Lead Plant) -- IA - Complete spectrum required.\*\*  
2436

Vermont Yankee -- IIIA - 3 breaks required (Lead Plant can be  
1593 referenced, if appropriate)  
Browns Ferry\* 1, 2, & 3 }  
Peach Bottom\* 2, 3 } See preceding page  
Fitzpatrick\* }

BWR-5 Lead Plant -- III E - Complete spectrum required.

Nine Mile Point 2 -- IIIB }  
LaSalle 1, 2 -- III B } Complete spectrum required.  
Bailly -- III B } (Lead Plant can be referenced  
Zimmer -- III B } by other BWR-5 plants, if  
Susquehanna 1, 2 -- III B } appropriate.)

BWR-6 Lead Plant -- III F - Complete spectrum required.

Grand Gulf -- III B }  
Black Fox -- III B }  
Barton 1, 2, 3, 4 -- III B } Complete spectrum required. (Lead  
Perry 1, 2 -- III B } Plant can be referenced by other  
Clinton 1, 2 -- III B } BWR-6 plants, if appropriate.)  
Douglas Point -- III B }  
Hanford 2 -- III B }  
Skagit 1, 2 -- III B }  
Hartsville -- III B }  
Somerset -- III B }  
River Bend Station -- III B }  
Allens Creek -- III B }

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\* May or may not have the LPCI fix  
\*\* Original break spectrum not wholly in conformance with 10CFR50,  
Appendix K.

PLANT SPECIFIC

|                 |         |                             |   |   |
|-----------------|---------|-----------------------------|---|---|
| Oyster Creek    | -- IIIA | Complete spectrum required. |   |   |
| Nine Mile Point | -- IIIA | "                           | " | " |
| Limmerick 1, 2  | -- IIIB | "                           | " | " |
| Hope Creek      | -- IIIB | "                           | " | " |
| Humboldt Bay    | -- IIIA | "                           | " | " |
| Dresden 1       | -- IIIA | "                           | " | " |
| Big Rock        | -- IIIA | "                           | " | " |

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## COMBUSTION ENGINEERING

The following list is grouped according to similarities in design. Some of the older, operating plants are fairly unique, as indicated, and don't fall conveniently into any other groups. The list is in approx. chronological order.

1. Palisades (Unique) -- IIA
2. Ft. Calhoun (Unique) -- IIA
- \*3. Maine Yankee (Unique) -- IIA
4. 2560 Mwt Series
  - a. Calvert Cliffs Units 1 & 2 -- IIA - 3 breaks required
  - b. Millstone Unit 2 -- IIB
  - c. St. Lucie 1 -- IIB
  - \*\*d. St. Lucie 2 -- IIB
5. 3400 Mwt Series ( 3410 Mwt 217 Fuel Assemblies)
  - a. Pilgrim 2 (3470 Mwt) -- IIB
  - b. Forked River 1 -- IIB
  - c. San Onofre 2 & 3 -- IIB
  - d. Waterford 3 -- IIB
6. Arkansas Class ( 2900 Mwt 177 Fuel Assemblies)
  - a. Russelville 1 -- IIB
  - b. Blue Hills 1 -- IIB

\* Maine Yankee is unique in that it has 3 steam generators, 3 hot legs and 3 cold legs. All other CE plants have 2 steam generators, 2 hot legs and 4 cold legs.

\* All plants shown above listed before St. Lucie 2 are of the 14x14 fuel design. All plants after, and including, St. Lucie 2 are 16x16.

7. System 80 Class-(CESSAR) -- IIB Complete spectrum required

These plants have not all been named yet. The utility and approx.

number of plants expected are as follows:

a. Duke (6)

b. WUPPS (1)

c. Arizona Power and Light (2)

d. TVA (2)

} May reference complete spectrum, if applicable.



Westinghouse

Operating Reactors (Safety Order Plants)\*

| 2-loop             | 3-loop           | 4-loop       |
|--------------------|------------------|--------------|
| Ginna              | Surry 1/2        | Yankee Rowe  |
| Kewaunee           | Turkey Pt. 3/4   | IP2          |
| Pt. Beach 1/2      | H. B. Robinson 2 | D. C. Cook 1 |
| Prairie Island 1/2 |                  | Zion 1/2     |

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Operating License\*\*

| 2-loop | 3-loop          | 4-loop               |
|--------|-----------------|----------------------|
| -----  | Beaver Valley 1 | - Trojan*            |
|        | Farley 1/2      | - Salem 1/2*         |
|        | North Anna 1/2  | - Diablo Canyon 1/2* |
|        |                 | IP-3                 |
|        |                 | D. C. Cook 2         |
|        |                 | McGuire 1/2          |
|        |                 | Sequoyah 1/2         |

\* 3 breaks required (IIA). One plant may reference another if applicable.

\*\* Complete spectrum required. One plant may reference another if applicable (see paragraph IIS).

Construction Permit \*\*

| 2-loop      | 3-loop              | 4-loop               |
|-------------|---------------------|----------------------|
| North Coast | Sharon Harris 1/4   | Byron/Braidwood 1/2  |
|             | Koshkonong 1/2      | Catawba 1/2          |
|             | Summer 1            | Floating Nuclear 1/8 |
|             | Beaver Valley 2     | Jamesport 1/2        |
|             | Wisconsin Utilities | Seabrook 1/2         |
|             |                     | SNUPPS 1-5           |
|             |                     | South Texas 1/2      |
|             |                     | Comanche Peak 1/2    |
|             |                     | Watts Bar 1/2        |
|             |                     | Millstone 3          |
|             |                     | Vogtle 1/2           |

\*\* Complete spectrum required. One plant may reference another if applicable (see paragraph IIB).

~~8008100~~