

APR 1 1983

MEMORANDUM FOR: Darrell G. Eisenhut, Director
 Division of Licensing, NRR

FROM: Ronald M. Scroggins, Deputy Director
 Office of Resource Management

SUBJECT: REACTOR CONSTRUCTION COMPLETION ESTIMATES

Attached for your review and concurrence is the revised NRC staff estimates for reactor construction completion (fuel load) as of April 1983. Attachment 1 includes a listing of those plants where the staff estimate has changed since the previous compilation in February 1983. The basis for the revised estimate has also been included. All changes were either because of a change in the applicant's estimate of construction completion or as a result of a recent Caseload Forecast Staff formal visit.

Attachment 2 is a complete compilation of the current (April 1983) staff estimates, by quarter/fiscal year, which provides the basis for the staff estimate and also compares the staff estimate with the current applicant estimate (April Bevill Report). If you have any questions concerning this information please contact me or R. Hartfield of my staff.

Original prepared by
 Ronald M. Scroggins

Ronald M. Scroggins, Deputy Director
 Office of Resource Management

Attachments:
 As stated

bcc w/attachments:
 LBarry, RM
 HDenton, NRR
 JRoe, DEDO
 RPurple, NRR
 ETriner, RM
 HBassett, RM
 RHartfield, RM
 WLoveLace, RM
 RScroggins R/F
 Subj. File
 RM/DMI Branch File

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XA Copy Has Been Sent to PDR

OFFICE	RM/DMI	RM/DMI	RM	RM			
URNAME	RHartfield	WLoveLace	RScroggins/je	LBarry			
DATE	4/1/83	4/1/83	4/10/83	4/15/83			

Estimated Construction Completion (Fuel Load)

April 1983 Staff Estimate Changes from February 1983 Estimates

(Dates are in Quarter/Fiscal Year)

Diablo Canyon 1

3/'83 (Feb. - 2/'83)
Based on current applicant schedule.

Watts Bar 1

3/'84 (Feb. - 4/'83)
Based on Caseload Forecast Staff visit in March 1983.

Diablo Canyon 2

3/'84 (Feb. - 2/'84)
Based on current applicant schedule.

Byron 1

2/'84 (Feb. - 4/'83)
Based on Caseload Forecast Staff visit in March 1983.

Catawba

3/'84 (Feb. - 1/'85)
Based on current applicant schedule.

Limerick 1

4/'84 (Feb. - 1/'85)
Based on current applicant schedule.

Harris 1

1/'86 (Feb. - 3/'85)
Based on Caseload Forecast Staff visit in February 1983.

Watts Bar 2

1/'86 (Feb. - 4/'84)
Based on Caseload Forecast Staff visit in March 1983.

Byron 2

4/'85 (Feb. - 3/'84)
Based on Caseload Forecast Staff visit in March 1983.

River Bend 1

3/'86 (Feb. - 1/'86)

Based on Caseload Forecast Staff visit in March 1983.

Hope Creek 1

3/'86 (Feb. - 2/'86)

Based on Caseload Forecast Staff visit in April 1983.

Nine Mile Point 2

1/'87 (Feb. - 2/'86)

Based on Caseload Forecast Staff visit in February 1983.

April 1983 NRC Staff Estimates

ESTIMATED CONSTRUCTION COMPLETION

Definition of Categories:

- A - NRC staff estimate based on recent (less than 12 months) Caseload Forecast Staff (CFS) visit.
- B - NRC staff estimate based on significant additional information.
- C - Sufficient information not available at this time to warrant NRC estimate different from that of the applicant.

ESTIMATED CONSTRUCTION COMPLETION (FUEL LOAD)

Plant Name	April/BEVILL		<u>A</u>		<u>B</u>		<u>C</u>		Comments
	Quarter	FY	Recent Caseload Visit Quarter	FY	Estimate Based on Add'l Info. Quarter	FY	No Basis to Agree or Disagree with Applicant Quarter	FY	
Diablo Canyon 1 ✓	3	83	-	-	-	-	3	83	No basis to agree or disagree.
St. Lucie 2 ✓	3	83	3	83	-	-	-	-	Site visit 6/82.
Shoreham ✓	4	83	4	83	-	-	-	-	Site visit 8/82.
Waterford 3 ✓	3	83	-	-	4	83			Discussion with Region IV indicates their best guess is late 1933. Site visit scheduled for 4/83.
Palo Verde 1	4	83	1	84	-	-	-	-	Site visit 3/82. Discussions indicates that it may be later based on preop test program. Site visit proposed for 5/83.
LaSalle 2	4	83	1	84	-	-	-	-	Site visit 3/83.
Zimmer	4	83	-	-	-	-	-	-	No basis for completion estimate.
WHP-2	4	83	-	-	2	84	-	-	Site visit 11/81. May be optimistic since preop testing is only approximately 2% complete as of 12/30/82. Site visit proposed for FY 83.
Watts Bar 1	2	84	3	84	-	-	-	-	Site visit 3/83.

ESTIMATED CONSTRUCTION COMPLETION (FUEL LOAD)

Plant Name	April/BEVILL		A		B		C		Comments
	Quarter	FY	Recent Caseload Visit Quarter	FY	Estimate Based on Add'l Info. Quarter	FY	No Basis to Agree or Disagree with Applicant Quarter	FY	
Comanche Peak 1	4	83	1	84	-	-	-	-	Site visit 4/82 concluded that fuel load date is no earlier than Dec. 1983. Site visit proposed for FY 83.
Diablo Canyon 2	-	-	-	-	3	84	-	-	Region V indicates approximately one year after Unit 1.
Byron 1	4	83	2	84	-	-	-	-	Site visit 3/83.
Ferni 2	4	83	-	-	4	84	-	-	Site visit 8/82 estimated 2/84-4/84. Subsequent discussions with Region III reflects a revision based on electrical work which is holding up system turnover and preop testing. Applicant is unofficially talking 11/83. Site visit proposed for FY83.
Catawba 1	3	84	-	-	-	-	3	84	No basis to agree or disagree. Site visit proposed for FY 83.
Limerick 1	4	84	-	-	-	-	4	84	No basis to agree or disagree. Site visit scheduled for 4/83.
Callaway 1	3	84	1	85	-	-	-	-	Site visit 9/82.

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Palo Verde 2	4	84	1	85	-	-	-	-	Site visit 3/82. Approximately one year after Unit 1. See Unit 1 comments, site visit proposed for FY 83.
Susquehanna 2	2	84	-	-	-	-	2	84	No basis to agree or disagree. Site visit scheduled for 4/83.
Harris 1	3	85	1	86	-	-	-	-	Site visit 2/83.
Bellefonte 1	3	85	-	-	-	-	3	85	9/81 site visit. No current basis to agree or disagree. Site visit proposed for FY83.
Wolf Creek 1	1	85	-	-	-	-	1	85	No basis to agree or disagree. It is believed that it could be as late as 6/85 completion based on Callaway 1. Site visit proposed for FY 83.
Perry 1	1	85	3	85	-	-	-	-	Site visit 1/83.
Watts Bar 2	2	85	1	86	-	-	-	-	Site visit 3/83.
Midland 2	1	85	-	-	1	86	-	-	Applicant estimate changed in 4/83. Soils work and potential QA problems in safety related systems already completed will have significant impact on completion. Site visit scheduled for 4/84.

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	Quarter	FY	Recent Caseload Visit Quarter	FY	Estimate Based on Add'l Info. Quarter	FY	No Basis to Agree or Disagree with Applicant Quarter	FY	
Byron 2	3	84	4	85	-	-	-	-	Site visit 3/83.
Clinton 1	2	84	-	-	1	86	-	-	10 stop work orders currently in effect. Amount of rework uncertain, estimate based on assumption that all stop work orders will be lifted by 6/83 and the magnitude of rework will not be extensive. Region III thinks 1st QTR of FY 86 may be optimistic. Site visit proposed for FY 83.
Comanche Peak 2	1	85	1	86	-	-	-	-	Site visit 4/82. Site visit proposed for FY 83.
WIP-3	1	86	1	86	-	-	-	-	Site visit 9/82. Believed realistic at that time. Finances could impact completion. Site visit proposed FY 83.
Palo Verde 3	1	86	1	86	-	-	-	-	Site visit 3/82. See Palo Verde 1. Use of spare parts on Unit 1 & 2 could impact completion of Unit 3. Site visit proposed for FY 83.
Seabrook 1	4	84	2	86	-	-	-	-	Site visit 11/82. #
Beaver Valley 2	1	86	1	86	-	-	-	-	Site visit 1/83.

A Senior Management Meeting with the applicant has been scheduled or is being arranged for this project.

ESTIMATED CONSTRUCTION COMPLETION (FUEL LOAD)

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	Quarter	FY	Recent Caseload Visit Quarter	FY	Estimate Based on Add'l Info. Quarter	FY	No Basis to Agree or Disagree with Applicant Quarter	FY	
Millstone 3	1	86	4	86	-	-	-	-	Site visit 9/82. Site visit proposed FY 83.
River Bend 1	3	85	3	86	-	-	-	-	Site visit 3/83. #
Catawba 2	1	87	-	-	-	-	1	87	No basis to agree or disagree. Site visit proposed for FY 83.
Midland 1	2	85	-	-	1	87	-	-	See Midland 2. Site visit scheduled 4/83.
Braidwood 1	3	85	-	-	-	-	3	85	No basis to agree or disagree. Based on status as of 12/31/82 and consideration for completion of Byron and need for power it could be as late as FY 87. Site visit proposed for FY 83.
Bellefonte 2	3	86	-	-	-	-	3	86	No basis to agree or disagree. Site visit proposed for FY 83.
Hope Creek 1	2	86	3	86	-	-	-	-	Site visit 4/83.
Nine Mile Point 2	2	86	1	87	-	-	-	-	Site visit 2/83.

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Marble Hill 1	3	86	2	87	-	-	-	-	Site visit 11/82.
Vogtle 1	4	86	-	-	-	-	4	86	No basis to agree or disagree. Site visit scheduled 5/83.
South Texas 1	1	87	-	-	-	-	1	87	No basis to agree or disagree. Current status indicates it may be later. Site visit proposed for FY 83.
Braidwood 2	3	86	-	-	-	-	3	86	No basis to agree or disagree. See Braidwood 1: Estimate approximately 18 months after Unit 1 or FY 88. Site visit proposed for FY83.
Perry 2	3	87	4	88	-	-	-	-	Site visit 1/83.