

PDR



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

July 30, 1982

The Honorable Tom Bevill, Chairman
Subcommittee on Energy and Water
Development
Committee on Appropriations
United States House of Representatives
Washington, D.C. 20515

Dear Mr. Chairman:

This monthly status report is in response to the direction given in House Report 96-1093. The enclosed report covers the period from June 15, 1982 to July 15, 1982, but also includes significant new information since that time. This twenty-first report discusses actions that were taken during this period on operating reactors and on licensing reviews of new facilities. The total delay in this month's report is seven months, five of which are attributed to Shoreham 1.

Recently, changes in the construction completion dates have been announced by the utilities for Bellefonte (September 1983 to May 1985), LaSalle 2 (January 1983 to April 1983), Byron 1 (April 1983 to August 1983), Palo Verde 1 (November 1982 to August 1983), Palo Verde 2 (November 1983 to August 1984), and Catawba 1 (October 1984 to November 1984). The construction completion date for Seabrook has been changed from November 1983 to May 1984. The Director, Office of Nuclear Reactor Regulation, issued a low-power license for Grand Gulf, Unit 1, on June 16, 1982, and a low-power license for Susquehanna, Unit 1, on July 17, 1982. On July 28, 1982, the Commission authorized a full-power license for San Onofre, Unit 2.

The report also discusses current NRC actions on the status of the Three-Mile Island Unit 1 and Indian Point hearings, Nine Mile Point Unit 1 safe-end replacement and the actions taken by the licensees of plants with make-up nozzle cracking and auxiliary feedwater header damage.

Sincerely,

Nunzio J. Palladino

Enclosure:
NRC Monthly Status Report to
Congress

cc: The Honorable John T. Myers

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NRC MONTHLY STATUS REPORT TO CONGRESS

This is the twenty-first monthly status report to Congress in response to the direction given in House Report 96-1093. This report provides a discussion of major actions that were taken on operating reactors and on licensing reviews of new facilities during the period of time between June 15, 1982 and July 28, 1982.

TMI Unit 1 Restart

The Special Master, who presided over the reopened hearing on the cheating issue, issued his decision on the matter on April 28, 1982 as reported previously. On July 27, 1982, the Licensing Board issued a partial initial decision dealing with the cheating issue that was favorable to restart of the facility. The Commission is developing a schedule for a decision on lifting the immediate effectiveness of the suspension order for TMI-1 (excluding psychological stress issues).

As previously noted, the staff was undertaking actions to develop an environmental assessment on the effect of psychological stress on residents near TMI, as ordered by the U. S. Court of Appeals. The opinion issued on May 14, 1982 stated that in order to be cognizable under NEPA, the psychological health effects must be severe enough to be medically discernible. As a result of the opinion, the staff has requested the assistance of the National Institute of Mental Health (NIMH) in developing recommendations to the Commission on this issue. In late June, both the Assistant Attorney General for Lands and Resources and the NRC Office of General Counsel wrote to the Solicitor General urging the filing of a petition seeking review of the Appeals Court decision before the Supreme Court.

The licensee's schedule for the completion of the steam generator repairs is unchanged from the previous report, that is, Fall 1982. The staff has retained additional consultants who will independently assess the adequacy of the licensee's failure analysis efforts and repair technique by testing TMI-1 hardware specimens. Subject to NRC approval for restart, GPU's estimates of plant readiness would permit the return of Unit 1 to service near the end of the year.

Make-up Line Nozzle Cracking in Babcock and Wilcox (B&W) Plants

As previously reported, thermal stress-induced cracks were found on the make-up nozzles of four of the eight B&W plants. These plants were Crystal River Unit 3, Oconee Units 2 and 3, and the Rancho Seco plant.

All sleeve repairs and replacement of cracked nozzles have been completed. The Rancho Seco plant evaluation of the acceptability of resuming operation with a loose thermal sleeve in the bottom of the reactor vessel, is under review by the NRC staff. However, the pacing matter regarding restart is the steam generator auxiliary feedwater header repair described separately in this report.

Auxiliary Feedwater Header Damage in B&W Reactor Plants

The licensees of the affected plants, Davis-Besse 1, Oconee Unit 3 and Rancho Seco, are modifying the design of the auxiliary feedwater header system in the steam generators to an external feedwater header design currently in use on the other operating B&W plants. The licensees have

evaluated the installation and repair problems related to the drilling of the nozzle openings in the steam generator shell and internal shroud; and to the stabilization of the deactivated internal auxiliary feedwater header which will remain inside the steam generator. The NRC staff has requested the licensees to submit information related to the revised design, repairs, inspections and the post-repair startup program for our review. NRC approval of the modifications will be required before restart, now expected by the licensees by about August 1982 for Rancho Seco and Davis Besse 1; and September 1982 for Oconee 3.

Nine Mile Point Unit 1

On March 23, 1982, a hydrostatic test revealed leakage in recirculation loop safe-ends at the Nine Mile Point Nuclear Station (Unit 1). The NRC resident inspector discovered the leak during an inspection of the drywell prior to a reactor startup. Subsequently, Niagara Mohawk conducted ultrasonic tests on the two affected safe-ends. These tests confirmed the initial visual observation.

By license amendment dated June 18, 1982, the NRC approved the recirculation system safe-end replacement program at Nine Mile. In essence, the Safety Evaluation (SE) and Environmental Impact Appraisal (EIA) approved safe-end removal and replacement and the licensee's as-low-as-reasonably-achievable (ALARA) program to minimize worker radiation doses. The occupational radiation doses will be reported to the NRC as the work proceeds.

The licensee presently intends to begin installation of new safe-ends by the end of July 1982, and estimates a 12-month outage with restart of the facility scheduled by March 1983.

Indian Point Special Investigative Proceedings

A pre-hearing conference was held in White Plains, New York on June 17th and 18th, 1982. The first week of hearings was conducted June 22 through 25, 1982 on emergency planning issues. Witnesses included a FEMA panel and an NRC consultant, expert in emergency planning. Additional cross-examination of the FEMA panel occurred during the second week of hearings (July 6-9). The Board heard limited appearance statements in Rockland County on July 8, 1982. On July 6, 1982, the Board issued an Order which set the schedule for filing the remaining testimony for risks (August 17) and costs-of-permanent-shutdown (August 10). On July 27, 1982, the Commission issued an order disposing of various matters before it and providing further guidance on contentions to the Licensing Board. The Licensing Board has suspended the hearing pending their determination of the future course of action.

OPERATING LICENSE APPLICATIONS

Licensing Schedules

During the past month, the staff continued its review and processing of a number of operating license applications. The present licensing schedule for all plants with pending OL applications is given in Table 1. Plants are listed chronologically according to construction completion dates. The Commission Decision Schedule is also shown. The Immediate Effectiveness Decision date reflects the Commission's schedule to render a decision on whether to stay the effectiveness of the ASLB decision authorizing a license for full-power operation. The Full-Power Decision dates reflect the schedule for a Commission decision regarding a full-power license. Operating licenses restricted to 5% power may be issued by the NRC staff subsequent to a favorable Board decision.

The schedules shown for CY 1983 plants and beyond are based on standard assumptions for review and hearing times, except for those plants that are expected to be heavily contested (Seabrook Unit 1, Byron Unit 1, and Midland Unit 2). For those plants, the projected schedules allow for a longer period (rather than the typical 11 months) for the hearing phase, from issuance of the Staff Supplemental Safety Evaluation Report (SSER) to Commission decision date on a full-power license. This longer period was typically 13 months. However, this month, the Seabrook interval was increased to 17 months. The staff review process for those cases has been accelerated to compensate for the additional time allotted for the hearing process.

The estimated regulatory delays and the target dates for Commission decision shown in Table 1 do not reflect any potential impact from the schedules for FEMA findings on off-site emergency preparedness. Any additional potential delays, based on the staff's analysis of the schedules for the FEMA findings, are included in a report to the Senate Subcommittee on Nuclear Regulation, which is transmitted jointly by the NRC and FEMA.

Recent Developments

On June 2, 1982, the Washington Public Power Supply System (WPPSS) tendered an operating license application for WNP Unit 3. The acceptance review has begun. Unit 3 is now approximately 53% completed, with fuel loading scheduled for June 1985. The schedule will be added to Table 1 subsequent to docketing the application.

Recently, changes in the construction completion dates have been announced by the utilities for Bellefonte (September 1983 to May 1985), LaSalle 2 (January 1983 to April 1983), Byron 1 (from April 1983 to August 1983), Palo Verde 1 (November 1982 to August 1983), Palo Verde 2 (November 1983 to August 1984), and Catawba 1 (October 1984 to November 1984). Based on a meeting with the applicant and estimates of the current construction status, the applicant's construction completion date for Seabrook 1 has been changed in Table 1 from November, 1983 to May 1984. On June 16, 1982 and July 17, respectively the Director, Office of Nuclear Reactor Regulation, issued operating licenses restricted to 5% power for Grand Gulf Unit 1 and Susquehanna 1. On July 28, the Commission authorized full-power operations for San Onofre 2.

PLANT-BY-PLANT DISCUSSION OF DELAYED PLANTS

Three plants are presently projected to have a regulatory delay. They are Shoreham 1, LaSalle 1, and Summer 1. Although Diablo Canyon Unit 1, San Onofre Unit 2, Midland Unit 2, Grand Gulf Unit 1 and Zimmer Unit 1 do not have a projected regulatory delay, they are included in the discussion due to other causes.

1. Shoreham Unit 1 - The hearing started May 4, 1982 and is expected to continue through 1982. Currently there are about 35 open issues in the staff's technical review, 17 of which relate to hearing issues. On June 11, 1982, the Commission approved a final amendment concerning Emergency Planning to 10 CFR 50 and Appendix E. The rule provides that for the issuance of an operating license authorizing fuel loading and operation to 5% of rated power, no NRC or FEMA review, findings, and determinations concerning the state or adequacy of the offsite emergency preparedness are necessary. The rule also specifies that emergency preparedness exercises are part of the operational inspection. The exercise must be conducted prior to operation above

5% rated power but is not required for any initial licensing decision process. The Licensing Board is attempting to resolve all matters except those related to offsite emergency preparedness issues and issue an initial decision regarding authorization of a license for fuel loading and operation to 5% of rated power by February 28, 1983. Based on the applicant's current official estimated completion date of September (which the staff considers to be optimistic by at least 3 months), this projected schedule could result in a licensing impact of about five months.

2. LaSalle Unit 1 - On April 17, 1982, a fuel load and low-power testing license was issued to Commonwealth Edison Company (licensee) for LaSalle Unit 1. The licensee initiated fuel loading on April 18, 1982, and completed fuel loading by April 30, 1982. The licensee also completed its Mode 3 (shutdown above 212°F) startup testing on June 9, 1982. Initial criticality was achieved on June 21, 1982. Approval for operating above zero percent power has been delayed pending completion of a Regional Investigation associated with a 2.206 Petition.

That 2.206 Petition and an Amendment were received from the Attorney General of Illinois making allegations of poor construction work. A second Petition was received from the Illinois Friends of the Earth making similar allegations. A meeting of all parties was held on June 2 at the NRC's Region III office, and additional allegations were made. The Region's investigation report was issued on July 19, and the Commission was briefed on the results on July 27, 1982. The 2.206 petition has been denied by the Director, Office of Nuclear Reactor Regulation (ONRR). On July 20, the Director, ONRR, authorized operation up to 5% power. The Commission

has scheduled discussion and possible voting on full-power operation for early August in order to provide the Region time to investigate additional allegations concerning quality assurance on the heating, ventilating and air conditioning systems at the plant. A one-month delay is projected for this plant.

3. Summer Unit 1 - The ASLB Partial Initial Decision regarding the seismic issue was issued July 20 and a second decision on the remaining issues is scheduled for early August. The current estimate is that construction will be sufficiently complete to permit fuel loading by July 30, 1982. Accordingly, we now project that the Summer plant will be slightly delayed. A one-month delay is shown for this unit.

4. San Onofre Unit 2 - The NRC issued an operating license on February 16, 1982. It was restricted to 5% power in accordance with the ASLB decision. Fuel loading has been completed. Initial criticality was achieved on July 20, 1982. On July 28, 1982, the Commission authorized full-power operation for Unit 2. An amendment to the license implementing this decision is scheduled to be issued in August.

5. Diablo Canyon Unit 1 - On March 22, 1982, PG&E announced that Bechtel Power Corporation had been contracted to act as the project completion manager for Diablo Canyon Units 1 and 2. An integrated PG&E organization for the Diablo Canyon project was formed consisting of PG&E and Bechtel personnel.

On June 7, 1982, a motion was filed to re-open the record for the purpose of receiving new evidence on alleged breakdowns in the Diablo Canyon QA/QC program.

On June 18, 1982, PG&E submitted a QA program for the activities of that organization, which is under staff review. On June 18, 1982, Teledyne Engineering Services submitted a program plan for Phase II of the Independent Design Verification Program (IDVP) that relates to those requirements of the program for issuance of a full power license. Teledyne has issued the first two, of approximately 25-30, interim technical reports on completed Phase I activities of the IDVP. The first report relates to the need for additional verification and sampling under the scope of Phase I of the program; the second report provides the Teledyne conclusions regarding the quality assurance audits performed by R. F. Reedy.

The staff has under consideration the question of expanding the scope of the reverification program required of this unit prior to fuel load. A decision on this issue will be made before currently ongoing activities in the Phase I program are completed. Detailed semi-monthly status reports of the program activities are being issued by PG&E, Teledyne, R. L. Cloud Associates, and R. F. Reedy, Inc.

6. Midland Unit 2 - The Midland SER was issued in May 1982. The ACRS meeting was held on June 4, 1982. The ACRS letter recommending authorization to operate up to 5% power upon resolution of open issues was issued June 8, 1982. The first Supplement to the SER (SSER) was issued June 30, 1982, responding to the ACRS letter. Concurrent with the OL licensing effort, a series of ASLB hearings relating to the soils settlement problems are being held. Amendment 3 to the CP was issued May 26, 1982 pursuant to an ASLB Memorandum and Order of April 30, 1982 requiring the applicant to obtain explicit prior NRC staff approval before proceeding with soils-related activities. Reported allegations of poor workmanship have raised media interest. Region III is evaluating the allegations.

7. Grand Gulf - On June 16, 1982, an operating license was issued to Mississippi Power and Light Company, Middle South Energy, Inc., and South Mississippi Electric Power Association (licensees) for Grand Gulf Unit 1. MP&L initiated fuel loading on July 1, 1982 and anticipates completion of fuel loading on August 1, 1982.

MP&L plans to submit a program plan to demonstrate the margins and conservatism of the Grand Gulf design by July 16, 1982 and a justification for operation over 5% power by August 19, 1982. A license condition requires this justification prior to exceeding 5% power.

8. Zimmer Unit 1 - On June 21, 1982, the ASLB issued an initial decision favorable to the applicant on all outstanding contentions except in the area of emergency preparedness. The Board determined that the state of offsite emergency preparedness did not provide reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency. The decision did not authorize an operating license. The hearing may be reopened for further testimony on the offsite emergency preparedness. There is no schedule for the rehearing.

Eight new contentions concerning quality assurance, corporate character and competence were included in a May 18, 1982 motion by the intervenors. By Order dated July 15, 1982, the Board admitted the new contentions. A pre-hearing conference is scheduled for August 3 and 4, 1982.

Construction Permit Applications

Floating Nuclear Plants 1-8

On June 30, 1982, the ASLB initial decision for FNP 1-8 was issued, authorizing the Director of Nuclear Reactor Regulation to issue a manufacturing license to Offshore Power Systems for the manufacture of eight standardized floating nuclear plants by the end of 1999. The license is expected to be issued in September 1982.

Black Fox

On June 18, 1982, the ASLB denied without prejudice the Public Service Company of Oklahoma motion to terminate the Black Fox Station proceedings and withdraw the application. The ASLB stated that there was insufficient information to grant the motion to withdraw. The Board also ordered the applicant to stabilize the site against erosion.

Skagit/Hanford

The Final Environmental Statement was scheduled to be issued in August 1982. On April 26, 1982, the applicants advised the Licensing Board of a number of uncertainties regarding the need-for-power issue and suggested that the commencement of the environmental portion of the public hearings be postponed until the Spring of 1983. By letter of June 24, 1982, the NRC staff requested the applicants to update the need-for-power issue in their Environmental Report and include the information of a plan that is being prepared by the Northwest Power Planning Council (NPPC). The update is needed before the NRC Staff can proceed with issuance of the Final Environmental Impact Statement.

The Final Environmental Impact Statement is projected for April 1983. In June 1982, the NRC Staff obtained confirmation that the Department of Energy apparently has not yet agreed to grant the applicant the authority required by 10 CFR §100.3 to control all activities in the proposed exclusion area. Because of this siting issue and other issues, Supplement No. 3 to the SER will be delayed.

Clinch River Breeder Reactor

The Clinch River Breeder Reactor (CRBR) plant applicants are currently pursuing a Limited Work Authorization which, if granted, would authorize the applicants to begin site preparation following the completion of public hearings on environmental and site suitability matters. Based upon the submissions of the parties to date, the Licensing Board anticipates that litigation of outstanding issues can be completed in time to permit the issuance of a decision on a limited work authorization by December 1982.

The NRC staff is currently reviewing the radiological health and safety of the CRBR plant, as well as assessing the environmental impact of the changes that have occurred since its FES was issued in 1977.

The presiding Atomic Safety and Licensing Board has ordered that the public hearings commence on August 24, 1982.

The Staff issued NUREG-0786 "Site Suitability Report in the Matter of Clinch River Breeder Reactor Plant." This report was reviewed by the ACRS Subcommittee on June 24, 1982. The full ACRS committee reviewed this report on July 9, 1982 and provided its report to the Commission on July 13, 1982. In addition, the staff met with the ACRS on June 25 in support of the CRBR safety review.

On July 1, 1982, the Department of Energy (DOE) again requested an exemption under 10 CFR Section 50.12. On July 9, 1982, the Commission issued an Order establishing a schedule for review of the DOE report. The schedule required public comments by July 22 and included oral presentations to the Commission on July 29, 1982. A Commission decision is scheduled for August 5, 1982.

Tables

1. Licensing Schedules for Pending OL Applications
2. Licensing Schedules for Pending CP and ML Applications

TABLE 1
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Licensing Schedules for All Pending DL Applications
(Includes Schedules for Additional Units with Projected Construction Completion in CY 1982-1983)
(Listed in Order of Projected Commission Decision Date)

Plant	Est Delay (Months)	Issue DES	SER		ACRS Mtg	Issue FES	SSER		7/	Start of Hearing	ASLB Initial Decision	Comm. Decision ^{1/}		Appl. Constr. Compl.
			Staff Technical Input to DL	Issue SER			Staff Technical Input to DL	Issue SSER				Eff.**	Comm. Dec.***	
LaSalle 1	1	C	C	C	C	C	C	C		None	None	N/A	07/82 2/	C
Grand Gulf 1	0 2/	C	C	C	C	C	C	C		None	None	N/A	09/82* 2/	C
Susquehanna 1	0	C	C	C	C	C	C	C		C	C	07/82	08/82	C
Summer 1	1 3/	C	C	C	C	C	C	C		C	08/82	08/82	08/82	07/82
Diablo Canyon 1	0 4/	C	C	C	C	C	C	C		C	07/82	08/82	-	- 4/
Diablo Canyon 2	0 4/	C	C	C	C	C	C	C		C	07/82	08/82	-	- 4/
Shoreham 1	5	C	C	C	C	C	C	C 10/		C 10/	04/83 10/*	03/83 10/*	03/83 10/	09/82
St. Lucie 2	0	C	C	C	C	C	C	C		None	None	N/A	09/82	10/82
San Onofre 3	0	C	C	C	C	C	9/01/82	10/01/82		C	C	C	10/82	11/82
CESSAR	0	N/A	C	C	C	N/A	8/01/82	8/30/82		None	None	N/A	11/82	N/A 15/
Zimmer 1	0	C	C	C	C 8/	C	C	C		C	C 17/	07/82	11/82	12/82 16/
Waterford 3	0	C	C	C	C	C	C	C		C	09/82	10/82	12/82	01/83
LaSalle 2	0	C	C	C	C	C	C	C		None	None	N/A	03/83*	04/83
McGuire 2	0	C	C	C	C	C	12/01/82	1/01/83		C	C	C	03/83	04/83
SUB-TOTAL	7													

* Indicates changes from last report in Decision or Construction Completion Date
 ** Commission decision on effectiveness of ASLB decision
 ***Commission decision on full-power license

TABLE 1
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Licensing Schedules for All Pending OL Applications
(Includes Schedules for Additional Units with Projected Construction Completion in CY 1982-1983)
(Listed in Order of Projected Commission Decision Date)

Plant	Est Delay (Months)	SER				SSER				7/	Start of Hearing	ASLB Initial Decision	Comm. Decision ^{1/}		Appl. Constr. Compl.
		Issue DES	Staff Technical Input to DL	Issue SER	ACRS Mtg	Issue FES	Staff Technical Input to DL	Issue SSER	Eff.**				Comm. Dec.***		
GESSAR II	0	N/A	2/1/83	3/2/83	04/83	N/A	05/83	05/83		None	None	N/A	05/83	N/A 15/	
Fermi 2	0	C	C	C	C	C	C	C		C	08/82	09/82	05/83	06/83 12/	
Callaway 1	0	C	C	C	C	C	C	C		C	01/83	02/83	05/83	06/83	
Comanche Peak 1	0	C	C	C	C	C	C	C		C	09/82	10/82	05/83	06/83	
Midland 2	0	C	C	C	C	7/20/82	C	C		11/82 5/6/	06/83	07/83	07/83	07/83	
Palo Verde 1	0	C	C	C	C	C	C	C		C	10/82	11/82	07/83*	08/83*	
Byron 1	0	C	C	C	C	C	C	C		08/82 5/	04/83	04/83	07/83*	08/83*	
Watts Bar 1	0	C	C	C	08/82	C	8/27/82	9/10/82		None	None	N/A	07/83	08/83	
WNP-2	0	C	C	C 11/	9/09/82	C	9/24/82	10/22/82		None	None	N/A	08/83	09/83	
Perry 1	0	C	C	C	C	8/13/82	7/16/82	7/29/82		11/82	04/83	05/83	10/83	11/33	
Wolf Creek 1	0	C	C	C	C	C	8/10/82	8/30/82		10/82	03/83	04/83	11/83	12/83	
Midland 1	0	C	C	C	C	7/20/82	10/01/83	11/01/83		11/82 6/	06/83	07/83	11/83	12/83	
Susquehanna 2	0	C	C	C	C	C	2/01/83	3/01/83		C	C	07/82	12/83	01/84	
Clinton 1	0	C	C	C	C	C	C	C		11/82	09/83 13/	10/83	12/83	01/84	
SUB-TOTAL	0														

* Indicates changes from last report in Decision or Construction Completion Date
 ** Commission decision on effectiveness of ASLB decision
 ***Commission decision on full-power license

TABLE 1
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Licensing Schedules for All Pending OL Applications
(Includes Schedules for Additional Units with Projected Construction Completion in CY 1982-1983)
(Listed in Order of Projected Commission Decision Date)

Plant	Est Delay (Months)	SER					SSER			Start of Hearing	ASLB Initial Decision	Comm. Decision ^{1/}		Appl. Constr. Compl.
		Issue DES	Staff	Issue SER	ACRS Mtg	issue FES	Issue SSER	7/	Comm. Decision Eff.**			Comm. Decision***		
			Technical Input to DL											
CESSAR II 14/	0	N/A	02/84	03/84	04/84	N/A	05/84	05/84	None	None	N/A	05/84	N/A ^{15/}	
Seabrook 1	0	C	10/08/82	11/08/82	12/10/82	10/05/82	12/10/82	12/30/82	05/83 ^{5/}	04/84*	05/84*	05/84	05/84 *	
Palo Verde 2	0	C	C	C	C	C	9/01/83	10/01/83	C	10/82	11/82	07/84*	08/84*	
Watts Bar 2	0	C	C	C	08/82	C	06/84	06/84	None	None	N/A	07/84	08/84	
Limerick 1	0	05/83	07/83	08/83	09/83	10/83	10/83	10/83	04/84	09/84	10/84	10/84	10/84	
Catawba 1	0	8/05/82	1/09/83	2/06/83	3/10/83	1/05/83	4/12/83	4/30/83	09/83	03/84	04/84	09/84	11/84*	
Comanche Peak 2	0	C	C	C	C	C	10/01/83	11/01/83	C	09/82	10/82	11/84	12/84	
Harris 1	0	10/82	06/83	07/83	08/83	03/83	12/83	01/84	06/84	11/84	11/84	11/84	12/84	
River Bend 1	0	1/09/84	11/04/83	12/02/83	1/13/83	6/08/84	04/84	05/84	10/84	03/85 *	04/85 *	04/85 *	04/85	
Braidwood 1	0	01/84	11/83	12/83	01/84	06/84	04/84	05/84	10/84	03/85	04/85	04/85	04/85	
Bellefonte	0	11/22/82	2/11/83	3/10/83	4/15/83	5/20/83	5/27/83	6/24/83	None	None	N/A	04/85*	05/85*	
So. Texas 1	0	04/83	06/83	07/83	08/83	09/83	08/83	08/83	01/84	06/84	07/84	11/86	12/86 ^{9/}	
SUB-TOTAL	0													
TOTAL DELAY	7													

* Indicates changes from last report in Decision or Construction Completion Date
 ** Commission decision on effectiveness of ASLB decision
 *** Commission decision on full-power license

FOOTNOTES

- 1/ Licensing schedules and decision dates do not reflect additional potential delay from Emergency Preparedness Review. Commission decision dates shown are for full power, however, initial licensing may proceed (restricting power to 5% of rated full power) based on a favorable ASLB decision (if applicable) and a preliminary design verification by the applicant and staff.
- 2/ An operating license restricting operation to fuel loading and operation up to 5% power was issued. A Commission decision regarding operation above 5% power will be made on a schedule commensurate with the applicant's need for full-power authorization, therefore, no delay is projected for this facility.
- 3/ The estimated delay of this plant is expected to be less than a full month.
- 4/ The delay has been reduced to zero based on the delay due to design errors found at the facility. (See Discussion Section.) Design Verification Program underway; plant modifications may be necessary. The results of this program must be considered in the Unit 2 review; plant modifications may be necessary and construction completion for this unit is likely to change.
- 5/ Heavily contested plants are provided a longer than normal hearing schedule (i.e., 12-17 months vs 11 months) from SSER to Commission decision date.
- 6/ Midland Units 1 and 2 have the same hearing.
- 7/ Date shown is for first SSER following ACRS meeting. Additional SSERs will be issued to close out remaining open items.
- 8/ The ACRS has requested that a subcommittee reopen their review regarding Quality Assurance issues relative to construction.
- 9/ The NRC staff is reevaluating the SER dates.
- 10/ The ASLB hearing which started on May 4, 1982 is underway. Failure to achieve timely resolution of several of the many remaining open items could impact heavily on the schedule. The current estimate for a partial initial decision on all matters except offsite Emergency Planning is February 28, 1983. It is likely that a complete initial decision on all matters before the ASLB may not be available on Shoreham prior to April 1983.
- 11/ SER omitted geology-related matters which will be addressed in an August 1982 supplement.
- 12/ The licensee is attempting to complete construction earlier (applicant letter dated 3/29/82).

- 13/ A prehearing conference was held on 5/4/82. Based upon applicant's new construction completion date, hearings were rescheduled. Potential PID, May 1983 excluding offsite Emergency Plan.
- 14/ Severe Accident Design; 23% Nuclear Island plus improvements.
- 15/ The dates for applicant construction completion, DES issuance and FES issuance are not given for this application because it is a standardized design. Facilities that reference this design will supply this plant-specific information.
- 16/ Based upon NRC staff briefings of the construction quality control difficulties at Zimmer, it appears that the applicant's construction completion projection for this plant is overly optimistic. It is doubtful that work on the Zimmer plant will be sufficiently complete by December 1982 to permit a Commission decision on whether to issue a full-power license.
- 17/ Hearing will probably be re-opened for quality assurance contentions.

TABLE 2

LICENSING SCHEDULES
FOR PENDING CONSTRUCTION PERMIT APPLICATIONS

DIVISION OF LICENSING 7/28/82

Plant	SER			SSER (TMI Issues)		SSER (Non-TMI Issues)			ACRS Meeting	Start of ^{3/} Hearing	ASLB ^{3/} Initial Decision	Commission Decision Date
	Issue DES	Issue FES	Issue SER	Staff Technical Input to DL	Issue SSER	Staff Technical Input to DL	Issue SSER					
FNP 1-8	C	C	C	C	C	C	C	C	C	C	C	9/82*
Allens Creek 1 ^{6/}	C	C	C	C	C	C	C	C	C	C ^{7/}	11/82	11/82
Skagit/Hanford 1 & 2	C ^{1/}	4/83 ^{1/}	C	C	C	C	9/82	10/82	10/82 *	4/83 ^{1/}	7/83	
Pebble Springs 1 & 2 ^{2/}	C	C	C	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S	N/S
Clinch River	C	C ^{5/}	3/83	6/83	7/83	6/83	7/83	5/83	8/82 ^{4/}	5/84	6/84	

^{1/} Proposed facility is to be relocated to the Hanford reservation. Amended ER and PSAR was filed in December 1981. An additional ER amendment is necessary to address need-for-power issues. ASLB Decision Date under review.

^{2/} On April 9, 1982, the lead applicant, Portland General Electric Company, withdrew its application for a site certificate from the State of Oregon, and requested cancellation of the scheduled alternate sites hearing by the NRC.

^{3/} Dates shown are for resumption of hearings following resumption of licensing activities for pending CP applications.

^{4/} Date shown is for commencement of evidentiary hearings on issuance of limited work authorization, per Board Order of February 11, 1982.

^{5/} A report addressing the environmental impact of the changes that have occurred since the FES.

^{6/} The applicant's study of the feasibility of continuing the Allens Creek project was started in February 1982 and is continuing.

^{7/} The hearing ended on December 9, 1981 and was reopened April 12-14, 1982 to further consider technical qualifications of the applicant.

*Indicates changes from last report in Decision or Construction Completion Date