

January 16, 1981



SECY-81-38

POLICY ISSUE
(Notation Vote)

FOR: The Commission

FROM: William J. Dircks
Executive Director for Operations

SUBJECT: NRR MONTHLY STATUS REPORT TO CONGRESS

PURPOSE: To obtain Commission approval of the subject report and the Chairman's signature on the letter of transmittal.

DISCUSSION: The NRR monthly status report is in response to the direction given in House Report 96-1093. The third NRR monthly status report and a draft letter of transmittal for the Chairman's signature are enclosed as Enclosures 1 and 2. The report discusses the actions that were taken during the past month (December 15 to January 15) on operating reactors and on licensing reviews of new facilities. Since past public hearings have proven to be longer in duration than expected, the staff is re-examining the assumptions used in developing the target schedules for contested cases. The target schedules were developed by differentiating between moderate vs heavily contested hearings, but it now appears that application of the current standard assumptions may not realistically project the duration of the hearing and appeal process. Results of the staff re-examination of target schedules will be presented in future reports.

RECOMMENDATION: That the Commission approve the report for transmittal to Congress by letter prepared for the Chairman's signature.

A handwritten signature of William J. Dircks is written above his name.

William J. Dircks

Executive Director for Operations

Enclosures:

1. NRR Monthly Status Report to Congress
2. Draft Letter of Transmittal

Contact:

Darrell Eisenhut, DL
X27221

8101270372

Commissioners' comments should be provided directly to the Office of the Secretary by c.o.b. Tuesday, January 27, 1981.*

Commission Staff Office comments, if any, should be submitted to the Commissioners NLT January 22, 1981, with an information copy to the Office of the Secretary. If the paper is of such a nature that it requires additional time for analytical review and comment, the Commissioners and the Secretariat should be apprised of when comments may be expected.

DISTRIBUTION

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*SECY NOTE: OCA has requested that the Commissioners act on this paper in sufficient time so as to meet the statutory requirement of submitting the report to Congress NLT the last calendar date of the month.

ENCLOSURE 1

NRR MONTHLY STATUS REPORT TO CONGRESS

This is the third monthly status report to Congress, in response to the direction given in House Report 96-1093. The second NRR monthly status report to Congress was transmitted by letter dated December 31, 1980 and covered the period from November 15, 1980 to December 15, 1980. This third report provides a brief discussion of the major actions that were taken on operating reactors and on licensing reviews of new facilities during the period of time between December 15, 1980 and January 15, 1981.

Operating Reactors

During the reporting period, the major issues on operating reactors receiving staff attention included issuing Orders for additional requirements for operating BWR plants to improve the reliability of BWR scram discharge systems and issuing Orders to BWR plants for Mark I containment modifications. A discussion of each of these follows.

As a result of the staff's review of BWR scram discharge systems, Orders were issued on January 9, 1981, to 17 operating BWRs judged to have inadequate scram discharge volume to instrument volume hydraulic coupling. Orders were not issued to the other 5 operating BWRs since the NRC staff concluded that they were already adequate in this regard. The Orders require implementation, within 90 days, of a system to automatically shut down the reactor when control air pressure falls to within 10 psi of the pressure necessary to commence opening the scram outlet valves, which are held closed

by air pressure. This measure is intended to prevent sustained low pressure in the control air system causing a potential loss of scram capability due to filling of the scram discharge volume, from leakage through the scram outlet valves.

On January 13, 1981, Confirmatory Orders were issued to the Licensees of 22 operating boiling water reactor facilities which utilize the Mark I pressure-suppression containment design. These Orders require that the affected licensees complete modifications, as necessary, to conform to the Acceptance Criteria set forth by the staff in the Mark I Containment Long Term Program Safety Evaluation Report (NUREG-0661) by schedules which have been established on a plant-specific basis. The schedules for completion of the last item on each of these plants range from October 1981 to January 1983 and were developed in consideration of the types of modifications needed, the availability of technicians and materials, and the schedules for plant refueling outages. These Orders also extend an exemption from General Design Criterion 50 (required margins of safety in the containment design) previously granted to the Mark I licensees upon the completion of a short-term assessment.

Operating License Applications

During the past month, the emphasis on licensing activities continued to be with OL applications. The staff is re-examining the assumptions used in developing the target schedules for contested cases since past public hearings have proven to be longer in duration than expected. While the target schedules developed differentiated between moderate vs. heavily contested hearings, it now appears that application of the standard assumptions may not realistically project the duration of the hearing and appeal process. In addition applicants have been requested to provide updated information on their projected fuel load dates. Results of the staff re-examination of target schedules will be presented in future reports.

Since the last report, there were no additions or deletions to the list of impacted plants (plants for which licensing is complete after the expected completion of construction). The status of impacted plants follows:

Zimmer - No change in status.

McGuire, Unit 1 - The SSER for low power operation at McGuire, Unit 1 was issued on January 8, 1981. A decision regarding fuel loading and zero power testing is still expected in February 1981. A decision on the full power license is expected to be issued in June 1981 (a five-month impact).

Diablo Canyon Units 1 & 2 - The nature of contentions filed on December 3, 1980 are currently being reviewed to ascertain, among other things, how they will affect the length of hearings, the need for further appeals, and the determination by the Licensing Board concerning whether there is an advantage in separating low power and full power issues for hearing decisions. Based on our current assessment of the contentions, an ASLB decision regarding a low power license for Unit 1 would not be expected to be issued before July 1981, followed by a review by the Appeal Board and Commission, which leads to a October 1981 prospective decision date. New construction completion date estimates for both units have been received from the Licensee. The impact on issuing a low power license for Unit 1 is estimated to be about seven months. An ASLB decision regarding full power license for both Unit 1 and Unit 2 is projected for October 1981 with a licensing decision issued in January 1982. This corresponds to an overall impact of ten months and three months for Unit 1 and 2, respectively.

San Onofre, Unit 2 - There is no change in the target dates for San Onofre, Unit 2. The geologic and seismic Safety Evaluation Report (SER) was issued on December 31, 1980. The SER on other matters is scheduled to be completed in February 1981 with the start of hearing expected to be about July 1981.

Summer 1 - Issuance of the SER is now projected for February 1981 which is a slip of one month from the earlier schedule. Several reasons account for the slippage including late receipt of a letter from the U. S. Geological Survey (expected December 15, 1980 but received December 30, 1980), awaiting further applicant inputs in a number of areas and SER impact from several branches; e.g. equipment qualification, seismology and emergency planning. Efforts are underway within the staff to resolve the outstanding issues to issue the SER in February 1981. Issuing the SER in February 1981 leads to a projected licensing completion date in November 1981; with a current construction completion date of October 1981 a one month impact is estimated.

An updated summary for the impacted plants is presented in Attachment 1.

The status on plants which have been issued a low power license and for which a full power license is pending (Salem, Unit 2 and Farley, Unit 2) is as follows:

Salem, Unit 2 - Issuance of a full power license continues to be delayed due to the status of development of emergency plans. The NRC Safety Evaluation Report on all other matters is complete. A full power license cannot be issued until first, the affected states (Delaware and New Jersey) have an adequate emergency response plan, and second, an emergency response exercise is conducted and NRC receives an assessment of the exercise from FEMA. Our current assessment of the status of the state and FEMA review indicates that the expected date for the conduct of this drill is March or April, 1981.

Farley, Unit 2 - A full power license for Farley, Unit 2 is still projected for March 1981.

Attachment 2 provides the current target milestone dates (as of January 15, 1981) for all pending OL applications and for those plants under construction whose projected construction completion dates are prior to January 1986. Target dates which have been changed since the last report are identified with an underline.

Licensing - Construction Permits

The staff has continued its effort to propose the manner and extent to which the TMI Action Plan should be applied to pending CP applications. (There are 6 construction permit applications for 11 units pending and one manufacturing license for 8 units.) The staff has assessed the public comments received and has developed a proposed revision of NUREG-0718, Proposed Licensing Requirements for Pending Applications for Construction Permits and Manufacturing License. The staff met with the ACRS and presented staff recommendations to the Commission (Policy Paper SECY 81-20) in January 1981. At the request of one Construction Permit applicant, further discussion with the ACRS and the Commission has been scheduled in February. Following a Commission decision on the staff recommendations, further case-specific action to include TMI-related requirements can be undertaken for the pending CP applications.

Attachments:

1. January Report - Updated Summary for Impacted OL Plants.
2. Target Dates of Licensing Steps for Plants Seeking Operating Licenses in the Next Five Years

ATTACHMENT 1

JANUARY REPORT

UPDATED SUMMARY FOR IMPACTED OL PLANTS

DECEMBER REPORT

JANUARY REPORT

<u>Plant</u>	<u>Construction Complete**</u>	<u>Licensing Effort Complete</u>	<u>Delay (Mos.)</u>	<u>Construction Complete**</u>	<u>Licensing Effort Complete</u>	<u>Delay (Mos.)</u>
Summer 1	8/81	10/81	2	10/81	11/81	1
Diablo Canyon 1	1/81	9/81 (LP) 12/81 (FP)	8 11	3/81	10/81 (LP) 01/82 (FP)	7 10
San Onofre 2	7/81	5/82	10	NO CHANGE	NO CHANGE	NO CHANGE
Diablo Canyon 2	6/81	12/81 (FP)	6	10/81	1 /82 (FP)	3
Zimmer	11/81	1/82	2	NO CHANGE	NO CHANGE	NO CHANGE
McGuire 1	1/81	2/81 (Zero Power) 1 6/81 (FP) 5		NO CHANGE	NO CHANGE	NO CHANGE

**Staff Estimate

LP = Low Power License

FP = Full Power License

ATTACHMENT 2

TARGET DATES OF LICENSING STEPS FOR PLANTS SEEKING
OPERATING LICENSES IN THE NEXT FIVE YEARS

PLANT	FSAR DOCKETED	ER DOCKETED	SER	LATEST SER SUPPL.	FES	START HEARING	ASLB DECISION	LICENSING COMPLETE	NRC EST. CONST COMP	
BEAVER VALLEY 2	02/83	02/83	02/85	05/85	05/85	06/85	10/85	12/85	12/85	
BELLEfonte 1	06/78C	06/78C	02/84	05/84	07/82	N/A	N/A	06/84	06/84	
BELLEfonte 2	06/78C	06/78C	02/84	05/84	07/82	N/A	N/A	02/85	02/85	
BRAIDWOOD 1	11/78C	11/78C	06/82	09/84	02/84	04/84	02/85	04/85	04/85	
BYRON 1	11/78C	11/78C	06/82	09/82	05/82	07/82	02/83	04/83	04/83	
BYRON 2	11/78C	11/78C	06/82	09/82	05/82	07/82	02/83	04/84	04/84	
CALLAWAY 1	08/80C	12/80	04/82	07/82	12/81	08/82	12/82	02/83	02/83	
CATAWBA 1	02/81	02/81	12/82	03/83	10/82	04/83	08/83	10/83	10/83	
CATAWBA 2	02/81	02/81	12/82	03/83	10/82	04/83	08/83	02/85	02/85	
CLINTON 1	08/80C	03/81	10/82	01/83	03/82	02/83	06/83	08/83	08/83	
COMANCHE PEAK 1	05/78C	01/79C	06/81	09/81	07/81	09/81	02/82	04/82	12/82	
COMANCHE PEAK 2	05/78C	01/79C	06/81	09/81	07/81	09/81	02/82	12/84	12/84	
DIABLO CANYON 1	10/73C	11/71C	10/74C	03/81	05/76C	12/76C	10/81	01/82	03/81	XX
DIABLO CANYON 2	10/73C	11/71C	10/74C	03/81	05/76C	12/76C	10/81	01/82	10/81	XX
ENRICO FERMI 2	04/75C	04/75C	12/81	03/82	12/81	02/82	09/82	11/82	11/82	
FARLEY 2	08/73C	08/73C	05/75C	02/81	12/74C	N/A	N/A	03/81	03/81	
GRAND GULF 1	06/78C	06/78C	04/81	09/81	07/81	N/A	N/A	07/82	07/82	
GRAND GULF 2	06/78C	06/78C	04/81	09/81	07/81	N/A	N/A	08/85	08/85	
HARRIS 1	08/81	08/81	08/83	11/83	11/83	12/83	04/84	05/84	06/84	
LASALLE 1	05/77C	05/77C	02/81	05/81	11/78C	N/A	N/A	05/81	06/81	
LASALLE 2	05/77C	05/77C	02/81	03/82	11/78C	N/A	N/A	06/82	06/82	
LIMERICK 1	03/81	03/81	08/82	11/82	11/82	01/83	08/83	11/83	11/83	
MCGUIRE 1	05/74C	05/74C	03/78C	01/81C	04/76C	02/81	04/81	06/81	01/81	XX
MCGUIRE 2	05/74C	05/74C	03/78C	01/81C	04/76C	02/81	04/81	06/82	06/82	
MIDLAND 1	11/77C	04/78C	07/82	10/82	04/82	12/82	07/83	10/83	04/84	
MIDLAND 2	11/77C	04/78C	07/82	10/82	04/82	12/82	07/83	10/83	10/83	
MILLSTONE 3	02/83	02/83	02/85	05/85	05/85	06/85	10/85	12/85	12/85	
PALO VERDE 1	06/80C	06/80C	07/82	10/82	12/81	11/82	03/83	05/83	05/83	
PALO VERDE 2	06/80C	06/80C	07/82	10/82	12/81	11/82	03/83	05/84	05/84	
PERRY 1	01/81	04/81	09/82	12/82	06/82	01/83	05/83	07/83	07/83	
RIVER BEND 1	05/81	05/81	12/84	03/85	11/82	04/85	08/85	10/85	10/85	
SALEM 2	08/71C	11/71C	10/74C	02/81	04/73C	N/A	N/A	03/81	04/80C	XX
SAN ONOFRE 2	03/77C	03/77C	02/81	05/81	02/81	07/81	02/82	05/82	07/81	XX
SAN ONOFRE 3	03/77C	03/77C	02/81	05/81	02/81	07/81	02/82	10/82	10/82	
SEABROOK 1	03/81	08/81	11/82	02/83	02/82	04/83	11/83	02/84	02/84	
SEQUOYAH 2	01/74C	N/A	03/79C	06/81	07/74C	N/A	N/A	07/81	07/81	
SHOREHAM	01/76C	01/76C	03/81	09/81	10/77C	06/81	06/82	09/82	09/82	
SOUTH TEXAS 1	07/78C	07/78C	11/82	02/83	09/82	03/83	07/83	09/83	09/83	
SOUTH TEXAS 2	07/78C	07/78C	11/82	02/83	09/82	03/83	07/83	09/85	09/85	
ST LUCIE 2	01/81	01/81	02/83	05/83	12/81	06/83	10/83	12/83	12/83	
SUMMER 1	02/77C	02/77C	02/81	04/81	02/81	05/81	09/81	11/81	10/81	XX

T A R G E T D A T E S O F L I C E N S I N G S T E P S F O R P L A N T S S E E K I N G
O P E R A T I N G L I C E N S E S I N T H E N E X T F I V E Y E A R S

PLANT	FSAR DOCKETED	ER DOCKETED	SER	LATEST SER SUPPL.	FES	START HEARING	ASLB DECISION	LICENSING COMPLETE	NRC EST. CONST COM
SUSQUEHANNA 1	07/78C	06/78C	04/81	07/81	01/81	03/81	12/81	02/82	03/82
SUSQUEHANNA 2	07/78C	06/78C	04/81	07/81	01/81	03/81	12/81	04/83	04/83
VOGTLE 1	10/82	10/82	10/84	01/85	01/85	02/85	06/85	08/85	08/85
WASHINGTON NUCLEAR 1	02/82	02/82	02/84	05/84	05/84	06/84	10/84	12/84	12/84
WASHINGTON NUCLEAR 2	06/78C	04/77C	03/82	06/82	06/81	N/A	N/A	07/82	07/82
WASHINGTON NUCLEAR 3	02/83	02/83	02/85	05/85	05/85	06/85	10/85	12/85	12/85
WASHINGTON NUCLEAR 4	02/82	02/82	02/84	05/84	05/84	06/84	10/84	12/85	12/85
WATERFORD 3	12/78C	12/78C	07/81	10/81	08/81	12/81	07/82	10/82	10/82
WATTS BAR 1	10/76C	11/76C	07/81	10/81	12/78C	N/A	N/A	11/81	08/82
WATTS BAR 2	10/76C	11/76C	07/81	10/81	12/78C	N/A	N/A	04/83	04/83
WOLF CREEK 1	08/80C	11/80C	03/83	05/83	12/82	07/83	10/83	12/83	12/83
ZIMMER 1	09/75C	09/75C	01/79C	06/81	06/77C	07/81	11/81	01/82	11/81 *

* INACTIVE STATUS

** IMPACTED PLANTS

MOVE OUTSIDE OF TIME PARAMETER

Palo Verde 3	06/80C	06/80C	07/82	10/82	12/81	11/82	03/83	05/85	<u>05/86</u>
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T A R G E T D A T E S O F L I C E N S I N G S T E P S F O R P L A N T S S E E K I N G
C O N S T R U C T I O N P E R M I T S I N T H E N E X T F I V E Y E A R S

PLANT	FSAR DOCKETED	ER DOCKETED	SER	ACRS MEETING	LATEST SER SUPPL.	FES	START HEARING	ASLB DECISION	LICENSING COMPLETE
ALLENS CREEK 1	12/73C	12/73C	11/74C	12/74C	03/79C	12/80C	01/81	N/S	N/S
BLACK FOX 1	12/75C	12/75C	06/77C	07/77C	N/S	02/77C	08/77C	N/S	N/S
BLACK FOX 2	12/75C	12/75C	06/77C	07/77C	N/S	02/77C	08/77C	N/S	N/S
*NEW HAVEN 1	12/78C	01/79C	N/S	N/S	N/S	N/S	N/S	N/S	N/S
*NEW HAVEN 2	12/78C	01/79C	N/S	N/S	N/S	N/S	N/S	N/S	N/S
PEBBLE SPRINGS 1	10/74C	08/74C	01/76C	02/76C	N/S	04/75C	05/78C	N/S	N/S
PEBBLE SPRINGS 2	10/74C	08/74C	01/76C	02/76C	N/S	04/75C	05/78C	N/S	N/S
PERKINS 1	05/74C	06/74C	03/77C	04/77C	07/77C	10/75C	04/76C	N/S	N/S
PERKINS 2	05/74C	06/74C	03/77C	04/77C	07/77C	10/75C	04/76C	N/S	N/S
PERKINS 3	05/74C	06/74C	03/77C	04/77C	07/77C	10/75C	04/76C	N/S	N/S
PILGRIM 2	12/73C	12/73C	06/75C	11/75C	01/79C	10/74C	10/75C	N/S	N/S
SKAGIT 1	01/75C	09/74C	08/77C	11/77C	10/78C	06/75C	07/75C	N/S	N/S
SKAGIT 2	01/75C	09/74C	08/77C	11/77C	10/78C	06/75C	07/75C	N/S	N/S

* INACTIVE STATUS
** IMPACTED PLANTS

NOTE: Montague, Units 1 and 2, which were shown in last report have been cancelled.

ENCLOSURE 2

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. Our third monthly status report is enclosed and covers the period from December 15, 1980 to January 15, 1981. This third report discusses the actions that were taken during the last month for operating reactors and on licensing reviews of new facilities.

Sincerely,

John F. Ahearne
Chairman

Enclosure:
NRR Monthly Status Report
to Congress

cc: The Honorable John T. Meyers