NOV 10 1982

Docket No.: 50-508

APPLICANT: Washington Public Power Supply System (WPPSS)

FACILITY: WPPSS Nuclear Project, Unit 3 (WNP-3)

SUBJECT: MEETING SUMMARY

At 8:30 am, November 9, 1982 applicant representatives met with the NRC staff to develop a mutual understanding of how the OL application review should be affected by the fact that this is a standard plant design that has already been reviewed by the NRC. Specifically, the WNP-3 NSSS is a System 80 plant and the CESSAR has already been evaluated by the staff (CESSAR SER, NUREG-0852). Enclosures 1 and 2 are copies of the meeting notice and the attendance roster.

Applicant representatives presented a brief summary of the present status of the WNP-3 project. The status of applicant efforts to properly document conformance with the Standard Review Plan was also discussed. The last item to be discussed, and the main area of interest for this meeting, was the significance, from a review standpoint, of the standard design of the NSSS. Enclosure 3 is a handout prepared by the applicant and was used as the basis for discussions.

NRC representatives expressed general agreement with the views held by the applicant as reflected in Enclosure 3. No significant differences of opinion on how the review should proceed were identified.

The NRC Project Manager acknowledged two applicant concerns and committed to providing responses to the applicant in the near future. These concerns are:

1. The absence of a full-time CESSAR Project Manager may adversely impact the WNP-3 review since the remaining work to be done on the CESSAR review will be the basis for some parts of the WNP-3 review.

2. The revision to the CESSAR SER is presently scheduled for publication in March 1983. Earlier publication, or release of a draft for planning purposes only, would be beneficial for the WNP-3 review. A significantly revised SER published in March 1983 may cause a lot of work to be repeatedddduring the Question/Response phase of the WNP-3 review.

OFFICE ▶							
SURNAME ▶							
DATE ▶							

There was a general discussion and agreement on administrative matters related to managing the WNP-3 review (i.e., requirements for ensuring a complete record of the review is in the docket, requirements for meetings, etc).

/s/

Louis L. Wheeler, Project Manager
Licensing Branch No. 3
Division of Licensing

Enclosures:
As stated

cc: See next page

OFFICE	DL:LB#3	DL:LB#3					
SURNAME	LWheeler/yt	GWKnighton					
DATE	11/10/82	11/10/82					

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Managing Director
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Nicholas D. Lewis, Chairman
Energy Facility Site Evaluation Council
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Resident Inspector/WPPSS 3/5
c/o U.S. Nuclear Regulatory Commission
P. O. Box 545
Elma, Washington 98541

Regional Administrator - Region V
U.S. Nuclear Regulatory Commission
1450 Maria Lane
Suite 210
Walnut Creek, California 94596

MEETING SUMMARY

NOV 10 1982

Document Control (50-508)
NRC PDR
L PDR
NSIC
TERA

LB#3 Reading
J. Lee
G. Knighton
Project Manager L. Wheeler
Attorney, OELD
E. L. Jordon
Regional Administrator, Region V
J. M. Taylor

PARTICIPANTS (NRC):

HBalukjian
HBrammer
LKopp
DPowers
DTerao
PTing
Avietti
LWheeler

BRIEFING FOR NRC:	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

WNP-3

POST-DOCKET

NRC BRIEFING

11/9/82

ENCLOSURE 3

BRIEFING FOR NRC:	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

WNP-3 POST-DOCKET MANAGEMENT BRIEFING

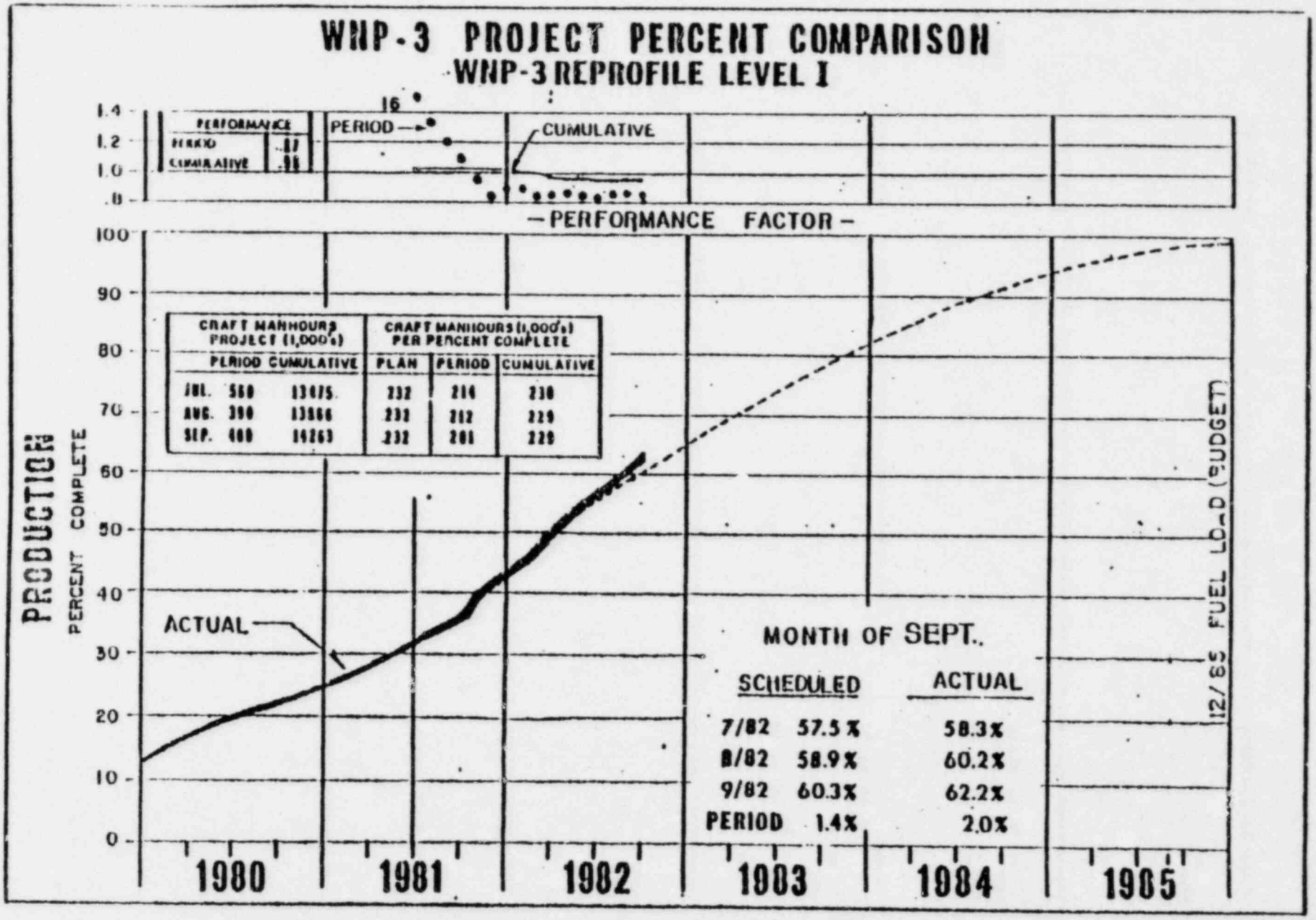
NOVEMBER 9, 1982

INTRODUCTION	K. W. COOK	
o AGENDA		
PROGRAM OVERVIEW	K. W. COOK	8:30 - 8:45
o CONSTRUCTION PROGRESS		
o POTENTIAL PROBLEM AREAS		
CONFORMANCE WITH STANDARD REVIEW PLANS	K. W. COOK	8:45 - 9:00
CESSAR-F	G. DAVIS	9:00 - 10:15
o STATUS OF CESSAR-F REVIEW		
o USE OF CESSAR-F SER		
o INTERFACE REQUIREMENTS		
o CE INPUT		
STAFF DISCUSSION	——	10:15 - 12:00

BRIEFING FOR NRC	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

PROGRAM OVERVIEW

BRIEFING FOR NRC:	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK



BRIEFING FOR NRC:	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

IMPROVEMENT ACTIONS - LAST TWO YEARS

MANAGEMENT

- o DE-INTEGRATE OWNER & CM
- o INCENTIVIZE AE/CM CONTRACT
- o STRENGTHEN MANAGEMENT
- o PROJECTIZE
- o ELIMINATE DECISION BACKLOG
- o SEEK NEW LEGISLATION

CONSTRUCTION

- o REALIGN CONSTRUCTION CONTRACTS
- o STABILIZE LABOR
- o BETTER CONTROL VENDORS
- o IMPROVE MATERIAL AVAILABILITY
- o CONSOLIDATED SCOPES

CONTROL

- o BOTTOMS UP BUDGET
- o IMPROVE AND INTEGRATE SCHEDULES
- o CAREFULLY MANAGE DISCRETIONARY CHANGES
- o TRACK COST FLOW

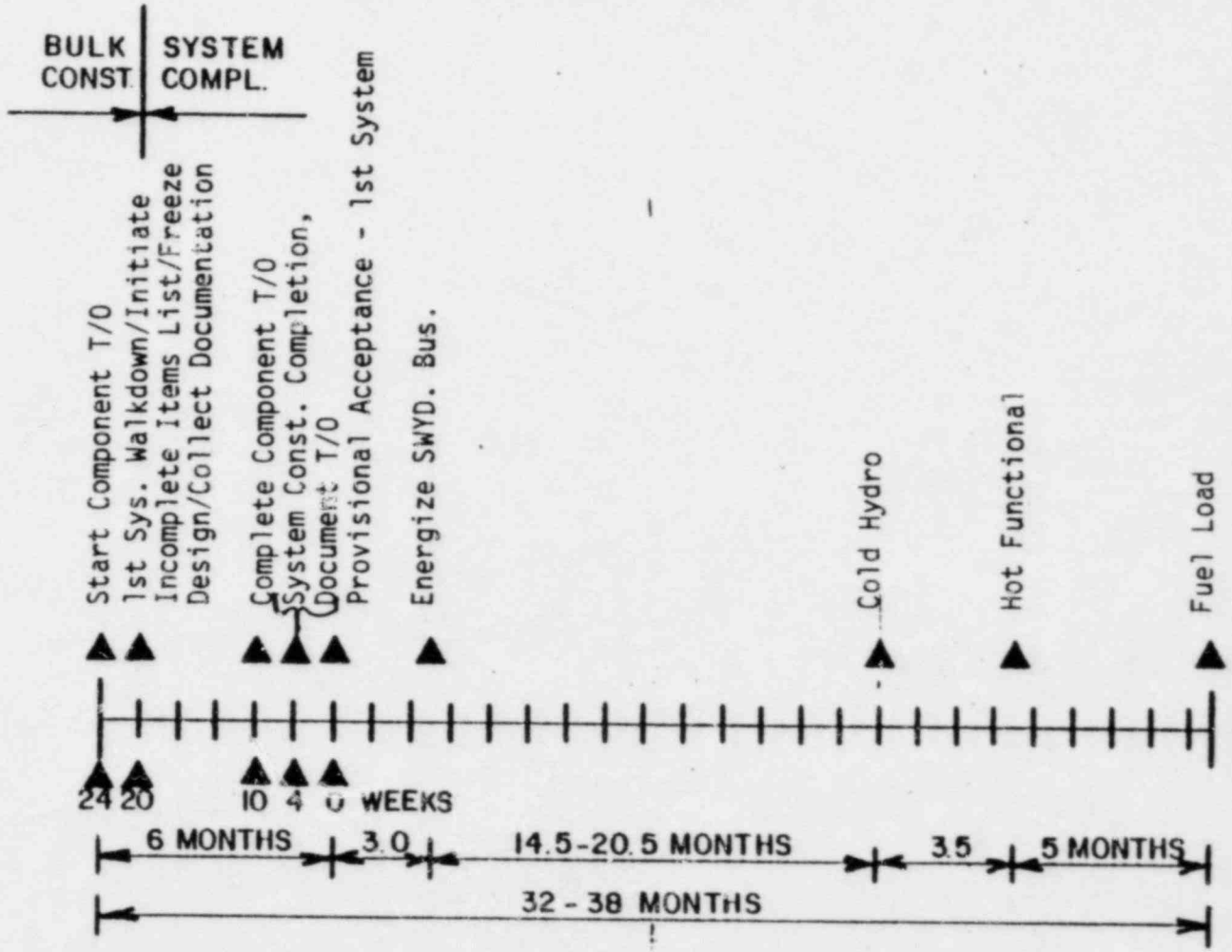
ENGINEERING

- o GET/STAY AHEAD OF CONSTRUCTION
- o REDUCE OVERSPECIFICATION
- o STREAMLINE PROCEDURES
- o LOCATE WITH CONSTRUCTION
- o INCREASE ALLOWABLE TOLERANCES

BRIEFING FOR NRC:	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

CONSTRUCTION TURN-OVER & PLANT START-UP PLAN

CURRENT PROGRAM



BRIEFING FOR NRC	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

POTENTIAL PROBLEM AREAS

- o INITIATIVE 394
  - RULED UNCONSTITUTIONAL
  - APPEAL RESOLUTION EXPECTED JANUARY 1983

- o NW ENERGY COUNCIL
  - REPORT ON REGIONAL POWER NEEDS - SPRING 1983
  - COST BENEFIT ANALYSIS OF WNP-3

- o EFFECT OF DEFAULT LAWSUITS/JUDGEMENTS ON WNP-3

- o EFFECT OF ABOVE ISSUES ON OPS STAFFING

BRIEFING FOR NRC	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

SRP CONFORMANCE

BRIEFING FOR NRC	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: COOK

CONFORMANCE WITH STANDARD REVIEW PLANS

- o DOCKETED FSAR INCLUDED STATEMENTS OF COMPLIANCE WITH NUREG 75/087

- o AMENDMENT 1 UPDATED FSAR FOR COMPLIANCE WITH RULE 10CFR50.34(G)
  - COMPLIANCE REVIEW LIMITED TO NUREG-0800 SECTION II CRITERIA
  - REFERENCED DOCUMENTS CRITERIA NOT ADDRESSED
  - LIMITED TO BOP SCOPE OF SUPPLY

- o PHASE I PROGRAM - INDENTIFICATION OF AREAS OF NON-COMPLIANCE

- o PHASE II PROGRAM - EVALUATION OF "PROPOSED ALTERNATIVES TO SRP CRITERIA"
  - EVALUATIONS OF HOW ALTERNATIVES MEET REGULATIONS
  - USE OF PRIOR BASES WHERE NOT BACKFIT BY NRC
  - MODIFICATION OF DESIGN/FSAR TO MEET CURRENT REQUIREMENTS

BRIEFING FOR NRC:	WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT 3	DATE: 11/09/82 NAME: DAVIS

CESSAR-F

IMPORTANCE OF WNP-3 REVIEW

TO STANDARDIZATION

- CESSAR-F WILL BE THE FIRST FINAL STANDARD DESIGN APPROVED BY NRC

- PALO VERDE FSAR WAS REVIEWED IN PARALLEL WITH CESSAR-F

- WNP-3 WILL BE FIRST REFERENCING FSAR TO BE REVIEWED AFTER FDA REVIEW IS COMPLETE

- THIS IS THE TRUE TEST OF NRC STANDARDIZATION POLICY AND WILL SHOW NUCLEAR INDUSTRY WHETHER FUTURE PLANS FOR STANDARDIZATION CAN WORK

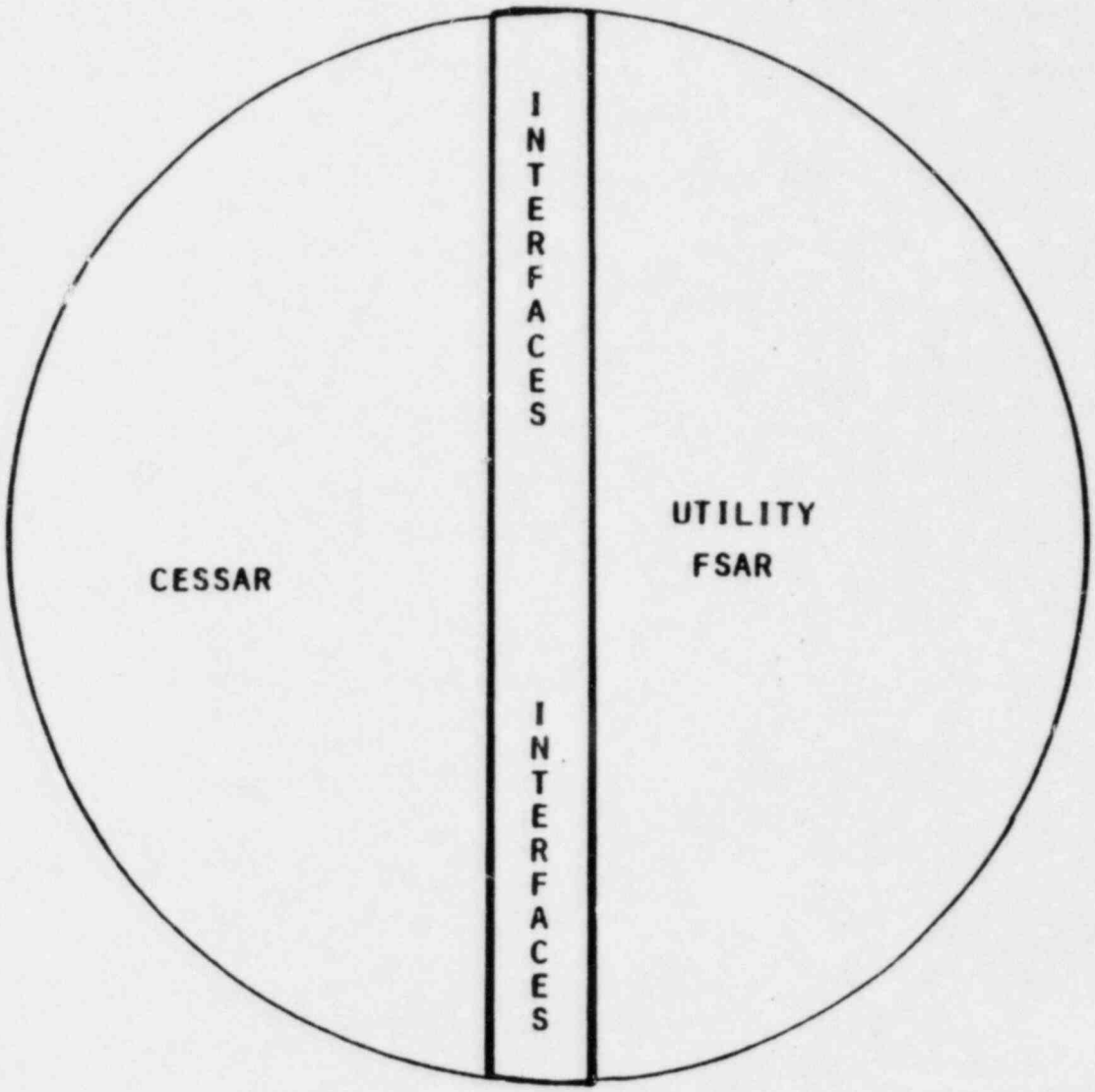
- TO MAKE IT WORK:

  - WNP-3 MUST AVOID NSSS DESIGN CHANGES

  - NRC STAFF MUST AVOID RE-OPENING NSSS LICENSING ISSUES ALREADY CLOSED THROUGH CESSAR-F

REVIEW MATERIALS

- BASIS FOR NRC REVIEW OF WNP-3 SHOULD BE -
  - WNP-3 FSAR, AND
  - CESSAR-F SER (NUREG-0588)
- AS A GENERAL RULE, CESSAR-F ITSELF SHOULD NOT BE NEEDED BY REVIEWERS


INTERFACES
CESSAR
UTILITY
FSAR
INTERFACES

INTERFACES

- INTERFACE RELATIONSHIP BETWEEN NSSS VENDOR, ARCHITECT ENGINEER, AND UTILITY USING A STANDARD DESIGN IS THE SAME AS USING A CUSTOM DESIGN

- INTERFACE SECTIONS ARE SUMMARIZED IN MATRIX TABLES IN -
  - TABLE 1.2-2 OF CESSAR-F
  - TABLE 1.9-1 OF WNP-3 FSAR

- ONLY IMPLEMENTATION OF INTERFACE REQUIREMENTS IS TO BE REVIEWED ON WNP-3 DOCKET

C-E INPUT

COMBUSTION ENGINEERING (C-E) PROVIDES INFORMATION IN WNP-3 FSAR WITHIN THE FOLLOWING CATEGORIES:

I. WNP-3 PLANT-SPECIFIC DESIGN FEATURES

II. PLANT-SPECIFIC DATA IDENTIFIED AS NEEDED IN THE CESSAR-F SER

WNP-3 PLANT SPECIFIC DESIGN FEATURES

	FSAR SECTION
. FUEL CYCLE	4.3
. LARGE BREAK LOCA ANALYSES	6.3.3.2
. NEW FUEL STORAGE RACKS	9.1.1
. GASEOUS WASTE MANAGEMENT SYSTEM	11.3

AN EXAMPLE OF CATEGORY II: PLANT-SPECIFIC DATA IDENTIFIED AS NEEDED IN CESSAR-F SER

FROM SECTION 5.3.1 (REACTOR VESSEL MATERIALS) OF CESSAR-F SER:

> "CESSAR INDICATES ALL SYSTEM 80 NUCLEAR PLANTS WILL BE FRACTURE TOUGHNESS TESTED...TO AT LEAST THE 1971 EDITION OF THE ASME CODE, SUMMER 1972 ADDENDA. AS STATED IN SECTION 5.2.1.1 OF THIS REPORT, EACH REFERENCE PLANT WILL BE REQUIRED TO IDENTIFY THE APPLICABLE ASME CODE EDITION AND ADDENDA."

FROM SECTION 5.2.1.1 OF THE WNP-3 FSAR:

> "CODES AND COMPONENT CLASSIFICATIONS APPLICABLE TO WNP-3/5 ASME SECTION III, CLASS 1 COMPONENTS ARE LISTED IN TABLE 5.2-1..."

PLANT-SPECIFIC INFORMATION IDENTIFIED IN CESSAR-F SER (NUREG-0852)

	SER SECTION
CHAPTER 1	
. CONFORMANCE WITH CESSAR INTERFACE REQUIREMENTS	1.10
CHAPTER 3	
. WIND AND TORNADO PROTECTION	3.3
. FLOOD PROTECTION	3.4
. MISSILE PROTECTION	3.5
. PROTECTION AGAINST PIPE BREAKS	3.6.1
* . VERIFICATION OF PIPE BREAK LOCATIONS & WHIP RESTRAINTS	3.6.2
. INSERVICE INSPECTION	3.6.2
* . ADEQUACY OF SEISMIC DESIGN	3.7
* . PRE-CRITICAL VIBRATION MONITORING PROGRAM	3.9.2
* . ASYMMETRIC LOADS	3.9.2
. INSERVICE TESTING OF PUMPS & VALVES	3.9.6
* . SEISMIC QUALIFICATION AUDIT	3.10
* . ENVIRONMENTAL QUALIFICATION AUDIT	3.11

*METHODOLOGY APPROVED IN CESSAR-F SER.

	SER
CHAPTER 4	SECTION
* . VERIFICATION OF FUEL DESIGN LIMITS	4.2
. FUEL SURVEILLANCE PROGRAM	4.2.4
* . CPC SOFTWARE TESTING	4.4.5
CHAPTER 5	
. IDENTIFY ASME CODE EDITION	5.2.1.1
. APPLICABLE CODE CASES	5.2.1.2
. INSERVICE INSPECTION & TESTING	5.2.4
. LEAKAGE DETECTION SYSTEM	5.2.5
* . FRACTURE TOUGHNESS TESTING	5.3.1
* . PRESSURE TEMPERATURE LIMITS	5.3.2
. RCP FLYWHEEL INSERVICE EXAMINATION AND FRACTURE TOUGHNESS DATA	5.4.1.1
. STEAM GENERATOR INSERVICE INSPECTION	5.4.2.2
. RESIDUAL HEAT REMOVAL SYSTEM BREAK/LEAK ANALYSIS	5.4.3
CHAPTER 6	
. EFFECT ON CONTAINMENT PURGE/VENT ON ECCS BACKPRESSURE ANALYSIS	6.2.1.4
. CONTAINMENT ISOLATION SETPOINT PRESSURE	6.2.4
. CONTAINMENT SUMP BLOCKAGE	6.3.2

*METHODOLOGY APPROVED IN CESSAR-F SER.

	SER
CHAPTER 7	SECTION
. SITE AUDIT OF EQUIPMENT ARRANGEMENT	7.1.5
* . CPC SOFTWARE MODIFICATIONS	7.2.1
. RPS TESTING	7.2.5
. ENGINEERED SAFETY FEATURE ACTUATION SETPOINTS	7.3.6
. IE BULLETIN 79-27 EVALUATION	7.4.4
. CONTROL SYSTEM FAILURES	7.7.12
CHAPTER 15	
. COMMITMENT TO ATWS REQUIREMENTS	15.3.9
. VERIFICATION OF ATMOSPHERIC DISPERTION FACTORS AND CONTAINMENT LEAK RATE	15.4
CHAPTER 16	
. PLANT-SPECIFIC SETPOINTS AND DATA	
TMI-2 REQUIREMENTS	
. SAFETY VALVE TEST RESULTS (II.D.1)	22.2

*METHODOLOGY APPROVED IN CESSAR-F SER.

COMBUSTION ENGINEERING STANDARD SAFETY ANALYSIS REPORT - FINAL

CESSAR-F

STATUS

- SAFETY EVALUATION REPORT (SER) ISSUED - NOVEMBER 1981
  (NUREG-0852)

- REVISION TO SER SCHEDULED - MARCH 1983
  (REVISION SHOULD CLOSE OUT ALL OPEN
  & CONFIRMATORY ITEMS ON CESSAR-F)

- PALO VERDE OPERATING LICENSE - JULY 1983
  (REFERENCING CESSAR-F) SCHEDULED

OPEN ITEMS	SER SECTION
*1. ENVIRONMENTAL QUALIFICATION	3.11
2. FUEL ROD PRESSURE LIMITS	4.2.1.1(H)
*3. CPC SOFTWARE AND SCHEDULE	4.4.5, 4.4.11
*4. ICC INSTRUMENTATION	22.2, II.F.2

*RESOLUTION OF ITEM WILL RESULT IN INFORMATION REQUIRED IN REFERENCING APPLICANT'S FSAR.

CESSAR-F

CONFIRMATORY ITEMS		SER SECTION
*1.	PREOPERATIONAL VIBRATION TESTING PROGRAM	3.9.2
2.	PUMP AND VALVE OPERABILITY PROGRAM	3.9.3.1
*3.	FUEL PERFORMANCE ANALYSES	4.2.5
4.	CLADDING COLLAPSE ANALYSIS	4.2.3.2(B)
5.	SUPPLEMENTAL ECCS ANALYSIS	4.2.3.2(F)
6.	PARTIAL-LOOP OPERATION	4.4.9
7.	REACTOR POWER CUTBACK SYSTEM	4.4.11, 7.2.1.3
8.	OPERATORS FOR 2 SDCS VALVES	5.4.3
9.	SHUTDOWN COOLING ANALYSIS	5.4.3
10.	BORON MIXING TESTING	5.4.3
11.	ISOLATION VALVE POWER	6.2.4
12.	CONTAINMENT SPRAYS	6.5
13.	BORON DILUTION ALARMS	15.2.4.5
14.	SMALL STEAM LINE BREAK ANALYSIS	15.3.1
15.	FEEDWATER LINE BREAK ANALYSIS	15.3.2

*RESOLUTION OF ITEM WILL RESULT IN INFORMATION REQUIRED IN REFERENCING APPLICANT'S FSAR.

16.	RCP SHAFT SEISURE ANALYSIS	15.3.3, 15.4.2
17.	STEAM LINE BREAK	15.3.1, 15.4.1
18.	STEAM GENERATOR TUBE RUPTURE ANALYSIS	15.4.5
19.	FUEL HANDLING ACCIDENT ANALYSIS	15.4.6
20.	EFFECTS OF LOSS OF AC POWER ON PUMP SEALS	22.2, II.K.3.25

Enclosure 2

Attendance Roster

NRC

H. Balukjian, Core Performance Branch, Thermal Hydroulics Section
H. Brammer, Section Leader, Mechanical Engineering Branch
L. Kopp, Core Performance Branch, Reactor Physics Section
D. Powers, Core Performance Branch, Reactor Fuels Section
D. Terao, Mechanical Engineering Branch
P. Ting, Reactor Systems Branch
A. Vietti, Division of Licensing
L. Wheeler, Division of Licensing

Applicant

J. Compas, Combustion Engineering, WPPSS Licensing
K. Cook, WNP-3 Licensing
G. Davis, Combustion Engineering
M. Keller, WPPSS
S. Prussman, Ebasco, Licensing
A. Tuzes, Combustion Engineering

ENCLOSURE 1

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

NOV 2 1982

Docket No.: 50-508

MEMORANDUM FOR: George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

FROM: L. L. Wheeler, Project Manager
Licensing Branch No. 3
Division of Licensing

SUBJECT: MEETING NOTICE: WNP-3 STANDARD PLANT DESIGN REVIEW

DATE & TIME: November 9, 1982
8:30 am - 12:00 noon

LOCATION: Room P-114
Phillips Building
Bethesda, Maryland

PURPOSE: NRC and applicant representatives meet to discuss the review implications of the WNP-3 standard plant design (CESSAR-F).

PARTICIPANTS: NRC Staff

L. Wheeler, et. al.

Washington Public Power Supply System

K. Cook, G. Davis, C. Brinkman

L. L. Wheeler, Project Manager
Licensing Branch No. 3
Division of Licensing

cc: See next page

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