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

JUL 25 1979

MEMORANDUM FOR: G. Lainas, Chief, Plant Systems Branch, Division of
Operating Reactors

FROM: V. Panciera, Plant Systems Branch, Division of
Operating Reactors

SUBJECT: STATUS SHEETS FOR CONTRACTOR ASSISTANCE TASKS

Attached are a set of sheets which gives the present status and FY 1979 completion schedules for work being performed by contractors under our technical assistance program.

Please note that the schedules for Inservice Testing and Water Hammer licensing actions are predicted upon the contractor receiving the additional funds needed to properly staff the work (Inservice Testing \$60K and Water Hammer \$57K). At the present time this additional money is not available. However, G. Zech has said that he would expect the additional funds to be made available within a month.

I intend to update these sheets monthly and will include the FY 1980 schedule of task completions in the September 1979 issue.

By copy of this memo, I request each section leader provide me with an updated status by the 23rd day of each month. I will then issue the complete set of status sheets by the 30th day of the month.

I will also provide each PSB task manager with a copy of the status sheets that apply to his tasks.

V. Panciera
Plant Systems Branch
Division of Operating Reactors

Enclosure:
As stated

628 220

7908210548

cc w/enclosure:
D. Eisenhut
R. Vollmer
E. Grimes
W. Gammill
E. Adensam
R. Ferguson
V. Panciera
PSB Task Managers - Individual Sheets
D. Tondi
G. Zech

ELECTRICAL INSTRUMENTATION AND CONTROL SYSTEM SUPPORT

Contractor - EG&G

PSB Task Manager - Paul Sherman

Total Number of Licensing Or Generic Actions Assigned - 72

Total Number of Licensing Or Generic Actions To Be Completed

By EG&G in FY 79 - 28

Number Completed by Contractor - 8

PSB - 3

P.M. -

Total Planned Cost - \$115K

Funds Expended - 1st Quarter - ; 2nd Quarter \$31K

To Date: 3rd Quarter - ; 4th Quarter

I. Reactor Coolant System Overpressure Protection

Licensing Action	Completed By Contractor	Completed By PSB	Issued By P.M.
Surry 1	5/79C	8/79	
Surry 2	5/79C	8/79	
Turkey Point 3	5/79C	8/79	
Turkey Point 4	5/79C	8/79	
St. Lucie	5/79C	8/79	
Arkansas 1	8/79	9/79	
Crystal River 3	6/79C	6/79C	
Oconee 1	8/79	9/79	
Oconee 2	8/79	9/79	
Oconee 3	8/79	9/79	
Three Mile Island 1	7/79	8/79	
Rancho Seco	9/79	9/79	

*N.S. - Not scheduled to be completed in FY 79.

II. Degraded Grid Voltage

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Beaver Valley	N.S.*		
Big Rock Point 1	N.S.		
Browns Ferry 1	N.S.		
Browns Ferry 2	N.S.		
Browns Ferry 3	N.S.		
Brunswick 1	N.S.		
Brunswick 2	N.S.		
D. C. Cook 1	N.S.		
Dresden 1	N.S.		
Dresden 2	N.S.		
Dresden 3	N.S.		
James A. FitzPatrick	8/79	9/79	
Hatch 1	9/79	9/79	
Indian Point 2	N.S.		
Indian Point 3	N.S.		
Kewaunee 1	N.S.		
LaCrosse	N.S.		
Maine Yankee	N.S.		
Monticello	9/79	9/79	
Oyster Creek	N.S.		
Palisades	N.S.		
Quad Cities 1	N.S.		
Quad Cities 2	N.S.		
Zion 1	N.S.		
Zion 2	N.S.		
Three Mile Island 1	N.S.		
Crystal River 3	N.S.		

628 223

III. RPS Power Supply

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Browns Ferry 1	9/79	9/79	
Browns Ferry 2	9/79	9/79	
Browns Ferry 3	9/79	9/79	
Brunswick 1	N.S.		
Brunswick 2	N.S.		
Cooper	N.S.		
Dresden 1	N.S.		
Dresden 2	N.S.		
Dresden 3	N.S.		
Duane Arnold	N.S.		
FitzPatrick	N.S.		
Hatch 1	7/79	8/79	
Monticello	N.S.		
Nine Mile Point	N.S.		
Pilgrim 1	N.S.		
Peach Bottom 2	N.S.		
Peach Bottom 3	N.S.		
Quad Cities 1	N.S.		
Quad Cities 2	N.S.		
Vermont Yankee	N.S.		
Big Rock Point	N.S.		
LaCrosse	N.S.		
Oyster Creek	N.S.		
Millstone 1	N.S.		

IV. SI Block

Robinson 2	9/79	9/79	
Surry 1	9/79	9/79	
Surry 2	9/79	9/79	
Turkey Point 3	9/79	9/79	
Turkey Point 4	9/79	9/79	628 224

V. Inadvertent Safety Injection

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Salem	7/79	8/79	

VI. Containment Isolation

Big Rock Point 1	5/79C	6/79C	
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VII. Standby Gas Treatment

Browns Ferry	1/79C	1/79C	
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VIII. Tech. Spec. Change

St. Lucie 1	8/79	9/79	
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628 225

ELECTRICAL, INSTRUMENTATION AND CONTROL SYSTEM SUPPORT

Contractor - LLL

PSB Task Manager - Paul Shemanski

Total Number of Licensing Or General Actions Assigned - 147

Total Number of Licensing Or Generic Actions To Be Completed

By LLL in FY 79 - 52

Number completed by Contractor - 12

PSB - 6

P.M. - 1

Total Planned Cost - \$497K

Funds Expended - 1st Quarter - ; 2nd Quarter - 156K

To Date: 3rd Quarter - ; 4th Quarter -

I. OverPressurization

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Millstone 2	6/78C	8/78C	3/79C
H. B. Robinson	6/78C	8/78C	
Haddam Neck	3/79C	8/79	
Point Beach 1	3/79C	8/79	
Point Beach 2	3/79C	8/79	
Salem	3/79C	8/79	
Maine Yankee	8/79	8/79	
Yankee Rowe	8/79	8/79	
Trojan	9/79	9/79	
Beaver Valley	9/79	9/79	
Kewaunee	8/79	9/79	
San Onofre	9/79	9/79	

* NS - Not schedule to be completed in FY 79.

II. Flooding

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Surry 1	NS*		
Surry 2	N.S.		
San Onofre 1	N.S.		
Yankee Rowe	N.S.		
Maine Yankee	N.S.		
Palisades	9/79	9/79	
Indian Point 2	N.S.		
Turkey Point 3	9/79	9/79	
Turkey Point 4	9/79	9/79	

III. Degraded Grid Voltage

Haddam Neck	9/79	9/79	
Ginna	9/79	9/79	
Millstone 1	N.S.		
Peach Bottom 2	N.S.		
Peach Bottom 3	N.S.		
Point Beach 1	9/79	9/79	
Point Beach 2	9/79	9/79	
Pilgrim 1	9/79	9/79	
San Onofre 1	N.S.		
Prairie Island 1	N.S.		
Prairie Island 2	N.S.		
Robinson 2	N.S.		
St. Lucie 1	N.S.		
Turkey Point 3	N.S.		
Turkey Point 4	N.S.		
Surry 1	N.S.		
Surry 2	N.S.		

628 227

III. Degraded Grid Voltage (cont.)

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Vermont Yankee	N.S.		
Yankee Rowe	N.S.		
Salem 1	N.S.		
Rancho Seco	N.S.		

IV. N-1 Loop Operation

Monticello	8/79	8/79	
Brunswick 2	9/79	9/79	
Vermont Yankee	N.S.		
Zion	N.S.		
Dresden 2	N.S.		
Beaver Valley	9/79	9/79	

V. Tech Spec Change - Deletion of Reactor Trip On Turbine Trip Below 50% Power

Prairie Island 1	1/79C	1/79C	
Prairie Island 2	1/79C	1/79C	
Beaver Valley	8/79	9/79	
J. M. Farley	8/79	9/79	

VI. ECCS Electrical Analysis

Prairie Island	N.S.		
BWR 3 - Generic	N.S.		

628 228

VII. End Of Cycle Reactor Pump Trip Circuitry

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Hatch 1	8/79	8/79	
Brunswick 2	8/79	8/79	
Brunswick 1	8/79	8/79	
Cooper	N.S.		
Dresden 1	N.S.		
Dresden 2	N.S.		
Dresden 3	N.S.		
Duane Arnold	N.S.		
FitzPatrick	N.S.		
Monticello	N.S.		
Nine Mile Point	N.S.		
Pilgrim 1	N.S.		
Peach Bottom 2	N.S.		
Peach Bottom 3	N.S.		
Quad Cities 1	N.S.		
Quad Cities 2	N.S.		
Vermont Yankee	N.S.		
Big Rock Point	N.S.		
LaCrosse	N.S.		
Oyster Creek	N.S.		
Millstone 1	N.S.		

VIII. Electrical Bypass Of Safety Actuation Signals To Containment Purge Valves

Point Beach 1	9/79	9/79	
Point Beach 2	9/79	9/79	
Kewaunee	9/79	9/79	628 229

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Brunswick 1	9/79	9/79	
Brunswick 2	9/79	9/79	
Ft. Calhoun	9/79	9/79	
Oconee 1	9/79	9/79	
Oconee 2	9/79	9/79	
Oconee 3	9/79	9/79	
Peach Bottom 2	9/79	9/79	
Peach Bottom 3	9/79	9/79	
Cook 1	9/79	9/79	
Cook 2	9/79	9/79	
GINNA	N.S.		
Turkey Point 3	N.S.		
Turkey Point 4	N.S.		
Big Rock	N.S.		
Cooper	N.S.		
Crystal River 3	N.S.		
Browns Ferry 1	N.S.		
Browns Ferry 2	N.S.		
Zion 1	N.S.		
Zion 2	N.S.		
Quad Cities 1	N.S.		
Quad Cities 2	N.S.		
Farley	N.S.		
FitzPatrick	N.S.		
Hatch 1	N.S.		
Calvert Cliff 1	N.S.		
Calvert Cliff 2	N.S.		
Haddam Neck	N.S.		
Dresden 2	N.S.		
Dresden 3	N.S.		
Indian Point 2	N.S.		
Indian Point 3	N.S.		
Palisades	N.S.		
Prairie Island 1	N.S.		
Browns Ferry 3	N.S.		

628 230

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Prairie Island 2	N.S.		
San Onofre 1	N.S.		
Nine Mile Point	N.S.		
Oyster Creek	N.S.		
Pilgrim 1	N.S.		
Monticello	N.S.		
Humboldt Bay 3	N.S.		
Hatch 2	N.S.		
Dresden 1	N.S.		
St. Lucie 1	N.S.		
Rancho Seco	N.S.		
Salem	N.S.		
Arkansas 1	N.S.		
Davis Besse	N.S.		
Duane Arnold	N.S.		
Maine Yankee	N.S.		
Robinson 2	N.S.		
Trojan	N.S.		
Beavery Valley	N.S.		
Conn Yankee	N.S.		
North Anna	N.S.		
Surry 1	N.S.		
Surry 2	N.S.		
Yankee Rowe	N.S.		

VIII. Alternative To Key Lock Control Of Bypass Valve

Davis Besse 1	9/79	9/79	
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IX. Testing Of Noise Isolation In RPS and ESFAE

Davis Besse 2	9/79	9/79	628 231
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X. Single Failure Evaluation Of Reactor Coolant Flow Sensing Lines

Licensing Action	Completed By Contractor	Completed By PSB	Issued By PM
Crystal River 3	N.S.		

XI. Tech. Spec. Changes

Big Rock Point	8/79	9/79	
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XII. On Call Assistance

Cable Leakage Time Ext. DB1	10/78C 6/79C	11/78C 6/79C	
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XIII. Steam Line Break Protection System

Beaver Valley	7/79	9/79	
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XIV. Diesel Generator Status Annunciators

Generic	9/79	9/79	
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XV. ATWS Recirculation Pump Trip

Generic	6/79C	8/79	
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XVI. LPRM Monitors

Generic	6/79C	8/79	628 232
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STEAM GENERATOR WATERHAMMER

Contractor - EG&G

PSB Task Manager - Sam MacKay

Total Number of Licensing Actions Assigned To The Contractor - 22

Total Number of Licensing Actions To Be Completed By
EG&G In FY 1979 - 17

Total Planned Cost - 100K

Funds Expended - 1st Quarter - ; 2nd Quarter
To Date: 3rd Quarter - 62K ; 4th Quarter

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
Beaver Valley	12/78C	1/79C	2/79C
Cook 1	1/79C	1/79C	3/79C
Indian Point 2	1/79C	1/79C	7/79C
Salem	11/78C	1/79C	-
Zion 1	4/79C	8/79	
Zion 2	4/79C	8/79	
Point Beach 1	6/79C	7/79	
Point Beach 2	6/79C	7/79	
Kewaunee	6/79C	7/79	
Turkey Point 3	9/79	10/79	
Turkey Point 4	9/79	10/79	
Prairie Island 1	7/79	7/79	
Prairie Island 2	7/79	7/79	
Conn. Yankee	9/79	10/79	
San Onofre 1	9/79	10/79	
Ginna	9/79	10/79	
Trojan	9/79	10/79	
Yankee Rowe	10/79	11/79	
Palisades	11/79	12/79	
Maine Yankee	11/79	12/79	
Millstone 2	11/79	12/79	
St. Lucie	10/79	11/79	

N.S. = Not scheduled to be completed by EG&G in FY 1979.

628 233

INSERVICE TESTING PROGRAM

Contractor: BNL

PSB Task Manager - Allan Wang

Total Number of Licensing Actions Assigned To Contractor - 15

Total Number of Licensing Actions To Be Completed by BNL
in FY 79 - 10

Total Planned Cost - 200K

Funds Expended - 1st Quarter - ; 2nd Quarter - 83K;
To Date: 3rd Quarter - ; 4th Quarter -

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
Arkansas 1	6/79C		
Corn. Yankee *	8/79		
Cooper*	7/79		
San Onofre 1*	8/79		
Three Mile Island 1*	9/79		
Kewaunee	N.S.		
Browns Ferry 3	8/79		
Indian Point 2	N.S.		
Yankee Rowe	9/79		
FitzPatrick	9/79		
Browns Ferry 1	8/79		
Browns Ferry 2	8/79		
Pilgrim 1	N.S.		
Point Beach 1	N.S.		
Point Beach 2	N.S.		

*Includes ISI review as well as IST review.

**NS - Not scheduled to be completed by BNL in FY 1979.

OFFSITE POWER SYSTEM STUDY

Contractor - ORNL

PSB TASK MANAGER: P. Shemanski

TOTAL NUMBER OF GENERIC ACTIONS PLANNED FOR FY 1979 - 7

TOTAL PLANNED COST - 120K

FUNDS EXPENDED - 1st Quarter ; 2nd Quarter 66K
 To Date: 3rd Quarter ; 4th Quarter

Generic Reports	Completed By Contractor	Completed By PSB
Task A - Evaluation of Failures of the entire offsite power system to determine systems designs in compliance with GDC-17.	7/79	-----
Task B - Evaluation of loss of preferred offsite power systems to determine system designs in compliance with GDC-17	Cancelled	NA
Task C1 Loss of offsite power survey	No date set - action by NRR pending since 3/79	
Task C2 Determination of maximum frequency decay rate	12/78 C	-----
Task C3 Grid sensitivity matrix	7/79	-----
Task C4 Analytic program for determining alert conditions	8/79	-----
Task C5 Long range dynamic calculations	4/79 C	-----
Task C6 Final report	9/79	*

* To be issued as a NUREG report.

MARK I CONTAINMENT ASSESSMENT

CONTRACTOR - BNL

PSB TASK MANAGER - C. Grimes

TOTAL NUMBER OF GENERIC ACTIONS PLANNED FOR FY 1979 - 7

TOTAL PLANNED COST - 200K

FUNDS EXPENDED - 1st Quarter - ; 2nd Quarter - 107K
 To Date: 3rd Quarter ; 4th Quarter -

Generic Actions	Completed By Contractor	Completed By PSB
Task I 1/4 scale pool swell tests	6/79 C	-----
Task II Condensation Oscilla- tions	7/79	-----
Task III Pool Swell Studies	6/79 C	-----
Task IV Load Comparisons	6/79 C	-----
Task V Fluid-Structure inter- actions	7/79	-----
Task VI Load Definition Report	7/79	-----
Task VII Summary Evaluation Report	9/79	*

* To be issued as a NUREG report.

FIRE PROTECTION PROGRAM REVIEW

Contractor - BNL

PSB Task Manager - Jim Knight

Total Number of Licensing Actions Assigned to Contractor - 123

Total Number of Licensing Actions To Be Completed By BNL
in FY 1979 - 47

Number Completed By Contractor - 28
 PSB - 27*
 P.M. - 11

Total Planned Cost - 500K

Funds Expended - 1st Quarter - ; 2nd - 179K
To Date:
 3rd Quarter - ; 4th Quarter

I. Fire Protection SER's

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
Beaver Valley	6/79C	I&E	6/79C
Big Rock Point	3/79C	3/79C	4/79C
Calvert Cliffs 1	6/79C	5/79C	
Calvert Cliffs 2	6/79C	5/79C	
Cooper	2/79C	I&E	5/79C
Crystal River 3	6/79C	I&E	
Dresden 1	6/79C	5/79C	
FitzPatrick	1/79C	1/79C	
Ginna	12/78C	12/78C	2/79C
Indian Point 2	12/78C	12/78C	1/79C
Indian Point 3	3/79C	12/78C	3/79C
LaCrosse	4/79C	3/79C	
Monticello	6/79C	5/79C	
Nine Mile Point	5/79C	I&E	
Peach Bottom 2	4/79C	3/79C	5/79C
Peach Bottom 3	4/79C	3/79C	5/79C
Point Beach 1	4/79C	1/78C	
Point Beach 2	4/79C	1/78C	
Prairie Island 1	6/79C	5/79C	
Prairie Island 2	6/79C	5/79C	

628 237

*Includes 5 plant reviews by I&E

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
Quad Cities 1	4/79C	3/79C	
Quad Cities 2	4/79C	3/79C	
Saint Lucie 1	6/79 -7/79	I&E	
San Onofre 1	1/79C	12/78C	
Turkey Point 3	12/78C	8/78C	3/79C
Turkey Point 4	12/78C	8/78C	3/79C
Yankee Rowe	3/78C	1/78C	3/79C
Surry 1	7/79		
Surry 2	7/79		

II. Fire Protection Supplements

Brunswick 1	4/79C		
Brunswick 2	4/79C		
Trojan	6/79 8/79		
Kewaunee	6/79 8/79		
Indian Point 3	7/79		
Oyster Creek	7/79		
Big Rock Point	9/79		
Haddam Neck	8/79		
Millstone 1	9/79		
Maine Yankee	9/79		
H. B. Robinson	8/79		
Palisades	N.S.		
Rancho Seco	N.S.		
Millstone 2	N.S.		
Vermont Yankee	N.S.		
Zion 1	N.S.		
Zion 2	N.S.		
Quad Cities 1	N.S.		
Quad Cities 2	N.S.		
Dresden 1	N.S.		
San Onofre 1.	N.S.		
Yankee Rowe	N.S.		
Duane Arnold	N.S.		

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
Peach Bottom 2	N.S.		
Turkey Point 2	N.S.		
Turkey Point 3	N.S.		
Point Beach 1	N.S.		
Point Beach 2	N.S.		
Monticello	N.S.		
Prairie Island 1	N.S.		
Prairie Island 2	N.S.		
Surry 1	N.S.		
Surry 2	N.S.		
Ft. Calhoun	N.S.		
Three Mile Island 1	N.S.		
Three Mile Island 2	N.S.		
FitzPatrick	N.S.		
Calvert Cliffs 1	N.S.		
Calvert Cliffs 2	N.S.		
Ginna	N.S.		
LaCrosse	N.S.		
Peach Bottom 3	N.S.		

III. Fire Protection Design Reviews

Trojan	-- 6/79 8/79		
Dresden 2	7/79		
Dresden 3	7/79		
Haddam Neck	8/79		
Millstone 1	9/79		
Maine Yankee	9/79		
H. B. Robinson	8/79		
Kewaunee	N.S.		
Indian Point 3	N.S.		
Oyster Creek	N.S.		
Big Rock Point	N.S.		
Palisades	N.S.		
Rancho Seco	N.S.		

N.S. - Not scheduled to be completed by BNL in FY 1979.

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
Arkansas 2	N.S.		
Arkansas 1	N.S.		
Indian Point 2	N.S.		
Oconee 1	N.S.		
Oconee 2	N.S.		
Oconee 3	N.S.		
Brunswick 1	N.S.		
Brunswick 2	N.S.		
Millstone 2	N.S.		
Vermont Yankee	N.S.		
Zion 1	N.S.		
Zion 2	N.S.		
Quad Cities 1	N.S.		
Quad Cities 2	N.S.		
Dresden 1	N.S.		
San Onofre	N.S.		
Yankee Rowe	N.S.		
Duane Arnold	N.S.		
Turkey Point 3	N.S.		
Turkey Point 4	N.S.		
Peach Bottom 2	N.S.		
Peach Bottom 3	N.S.		
Point Beach 1	N.S.		
Point Beach 2	N.S.		
Monticello	N.S.		
Prairie Island 1	N.S.		
Prairie Island 2	N.S.		
Surry 1	N.S.		
Surry 2	N.S.		
Ft. Calhoun	N.S.		
Three Mile Island 1	N.S.		
Three Mile Island 2	N.S.		
Pilgrim 1	N.S.		

N.S. = Not Scheduled to be completed by BNL in FY 1979

LICENSING ACTION	COMPLETED BY CONTRACTOR	COMPLETED BY PSB	ISSUED BY P.M.
FitzPatrick	N.S.		
Calvert Cliffs 1	N.S.		
Calvert Cliffs 2	N.S.		
Ginna	N.S.		
LaCrosse	N.S.		

IV. Fire Protection - Items Deferred To SEP

Yankee Rowe			
Haddam Neck			
Millstone 1			
LaCrosse			
Dresden 1			
Dresden 2			
San Onofre			
Ginna			

N.S. - Not Scheduled to be completed by BNL in FY 1979.