

NUCLEAR
REGULATORY
COMMISSION

**PROGRAM
SUMMARY
REPORT**

PREPARED BY :

OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS

7812270340

FOREWORD

111th EDITION

THIS REPORT PROVIDES SUMMARY INFORMATION ON ALL PHASES OF NUCLEAR REGULATION, AND IS INTENDED AS AN INFORMATION AND DECISION-MAKING TOOL FOR MID AND UPPER LEVEL MANAGEMENT OF THE NUCLEAR REGULATORY COMMISSION. THE REPORT IS DIVIDED FUNCTIONALLY INTO TEN SECTIONS:

- SECTION 1 - NUCLEAR POWER PLANTS IN THE UNITED STATES
- SECTION 2 - OPERATING NUCLEAR POWER PLANTS
- SECTION 3 - REACTORS UNDER CONSTRUCTION
- SECTION 4 - OPERATING LICENSE APPLICATIONS UNDER NRC REVIEW
- SECTION 5 - CONSTRUCTION PERMIT APPLICATIONS & SPECIAL PROJECTS UNDER NRC REVIEW
- SECTION 6 - ACRS AND ASLBP
- SECTION 7 - NUCLEAR MATERIALS
- SECTION 8 - STANDARDS AND REGULATIONS
- SECTION 9 - RESEARCH PROJECTS
- SECTION 10 - FOREIGN REACTORS
- SECTION 11 - EXEMPTIONS

DEFINITIONS

ACRS	Advisory Committee on Reactor Safeguards
ANSI	American National Standards Institute
ASLB	Atomic Safety & Licensing Board
ASME	American Society of Mechanical Engineers
BOP	Balance of Plant
BWR	Boiling Water Reactor
B&W	Babcock & Wilcox
CE	Combustion Engineering
CP	Construction Permit
DES	Draft Environmental Statement
ECCS	Emergency Core Cooling System
ER	Environmental Report
ESR	Early Site Review
FES	Final Environmental Statement
FSAR	Final Safety Analysis Report
FTL	Full Term License
GE	General Electric
GESMO	Generic Environmental Statement for Mixed Oxide Fuels
HTGR	High Temperature Gas Reactor
LESR	Limited Early Site Review
LMFBR	Liquid Metal Fast Breeder Reactor
LWA	Limited Work Authorization
LWR	Light Water Reactor
MWe	Megawatts Electric
MWt	Megawatts Thermal
NSSS	Nuclear Steam Supply System
OL	Operating License
PCP	Post Construction Permit (OL due to be tendered)
PDC	Pre-Docketed Construction Permit (CP due to be tendered)
PDD	Prospective Decision Date
PDS	Pre-docketed Special Project (SP due to be tendered)
PSAR	Preliminary Safety Analysis Report
PWR	Pressurized Water Reactor
SER	Safety Evaluation Report
SE Supp	Safety Evaluation Supplement
SP	Special Project
WEST	Westinghouse

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HIGHLIGHTS

STATUS OF NUCLEAR POWER PLANTS (PG 1-1)

70 UNITS LICENSED TO OPERATE
90 UNITS HAVE CONSTRUCTION PERMITS
34 UNITS ARE UNDER CONSTRUCTION PERMIT REVIEW
17 UNITS HAVE BEEN ORDERED OR PUBLICLY ANNOUNCED
211 TOTAL UNITS

NEW APPLICATIONS FORECAST (PG 1-9)

AS OF NOVEMBER 30, 1978
ONE APPLICATIONS WAS TENDERED
24 NEW APPLICATIONS ARE PROJECTED TO BE TENDERED IN FY 1979
38 NEW APPLICATIONS ARE PROJECTED TO BE TENDER DURING FY 1979 & 80

MONTHLY HIGHLIGHTS - I & E (PG 2-3/4)

65 UNITS WERE IN COMMERCIAL OPERATION IN NOVEMBER 1978
3 UNITS WERE IN POWER ASCENSION
2 UNITS WERE UNAVAILABLE FOR POWER PRODUCTION
70 UNITS TOTAL

28 UNITS EXPERIENCED SHUTDOWNS GREATER THAN 72 HOURS IN NOVEMBER 1978
6 UNITS HAVE BEEN DERATED

NUCLEAR POWER PLANTS UNDER CONSTRUCTION (PG 3-6)

86 PLANTS ARE UNDER CONSTRUCTION

OPERATING LICENSE FORECAST (PG 4-2)

NO OPERATING LICENSE WERE ISSUED IN NOVEMBER
6 OPERATING LICENSES ARE EXPECTED TO BE ISSUED IN FY 1979
14 OPERATING LICENSES ARE EXPECTED TO BE ISSUED DURING FY '79 & '80

ELECTRIAL POWER FORECAST (PG 4-3)

DURING NOVEMBER, NO MWE HAVE BEEN ADDED TO THE NUCLEAR POWER CURVE
51,837 CUMULATIVE MWE WERE AUTHORIZED BY CLOSE OF FY 78

LICENSING STATUS - OPERATING LICENSES (PG 4-4)

AS OF OCTOBER 31, 1978:
24 APPLICATIONS (38 UNITS) ARE UNDER ACCEPTANCE OR OPERATING LICENSE REVIEW
6 NEW OL APPLICATIONS ARE EXPECTED TO BE RECEIVED DURING FY 1979

CONSTRUCTION AUTHORIZATION FORECAST (PG 5-2)

NO CONSTRUCTION AUTHORIZATIONS WERE GRANTED IN NOVEMBER
7 UNITS ARE EXPECTED TO HAVE CONSTRUCTION AUTHORIZED IN FY 1979
12 UNITS ARE ESTIMATED TO BE AUTHORIZED CONSTRUCTION IN FY '79 & '80

LIMITED WORK AUTHORIZATIONS (PG 5-3/4)

NO UNITS WERE AUTHORIZED CONSTRUCTION UNDER AN LWA IN OCTOBER
2 LWA'S FOR 3 UNITS ARE ESTIMATED TO BE ISSUED DURING FY '79
3 LWA FOR 5 UNITS ARE ESTIMATED TO BE ISSUED THRU FY 1980
AS OF NOVEMBER 30, 1978, 27 LWA'S AND 11 LWA-2'S WERE ISSUED

CONSTRUCTION PERMIT FORECAST (PG 5-5)

1 CONSTRUCTION PERMIT REVIEW WAS COMPLETED IN NOVEMBER
8 CONSTRUCTION PERMIT REVIEWS ARE EXPECTED TO BE COMPLETED IN FY 79
10 CP REVIEWS ARE ESTIMATED FOR COMPLETION THRU FY 1980

LICENSING STATUS - CONSTRUCTION PERMITS (PG 5-7)

AS OF OCTOBER 31, 1978:
23 APPLICATIONS (41 UNITS) ARE UNDER ACCEPTANCE OR CONSTRUCTION PERMIT REVIEW

HIGHLIGHTS

CONSTRUCTION PERMIT REVIEW SLIPPAGE SUMMARY (PG 5-8)

AS OF NOVEMBER 30, 1978, 5 REVIEWS HAVE SLIPPED A TOTAL OF 10.2 MONTHS
AS A RESULT OF 5 INDIVIDUAL SLIPS

DURATION SUMMARY (PG 5-9 THRU 5-11)

AS OF NOVEMBER 30, 1978:
NO CONSTRUCTION PERMIT APPLICATION WERE DOCKETED.
ONE SAFETY EVALUATION SUPPLEMENT HAS BEEN ISSUED TO DATE IN FY 79
ONE FINAL ENVIRONMENTAL STATEMENT HAS BEEN ISSUED TO DATE IN FY 79

SPECIAL PROJECTS (PG 5-12/13)

AS OF NOVEMBER 30, 1978:
1 SPECIAL PROJECT WAS COMPLETED
6 SPECIAL PROJECTS ARE ESTIMATED FOR COMPLETION IN FY 79
19 SPECIAL PROJECTS ARE ESTIMATED FOR COMPLETION DURING FY
15 SPECIAL PROJECTS ARE UNDER REVIEW

NEW APPLICATIONS RECEIVED - NMSS (PG 7-3)

DURING OCTOBER 1 APPLICATION WAS RECEIVED

DIVISION OF FUEL CYCLE & MATERIAL SAFETY (PG 7-5/6)

9 MAJOR CASES HAVE BEEN COMPLETED SO FAR IN FY 1979
61 MINOR CASES ESTIMATED HAVE BEEN COMPLETED SO FAR IN FY 79

MONTHLY HIGHLIGHTS - STANDARDS DEVELOPMENT (PG 8-3)

DURING NOVEMBER
3 NEW REGS WERE ISSUED
0 PROPOSED RULES WERE ISSUED
1 EFFECTIVE RULES WERE PUBLISHED
6 REVISED GUIDES WERE PUBLISHED

THE FOLLOWING ADDITIONS AND DELETIONS WERE MADE TO THIS MONTH'S ISSUE

DELETIONS

ADDITIONS

EXEMPTIONS ALLOWED PAGE 11-1

SECTION I - NUCLEAR POWER PLANTS IN THE UNITED STATES

STATUS OF NUCLEAR POWER PLANTS

BWR	PWR	OTHERS	UNKNOWN		TOTAL
26	43	1			70
28	62				90
8	23	1	2		34
2	7				9
			8		8
64	135	2	10		211
		1 HTGR 1 LMFBR			

STATUS OF NUCLEAR POWER PLANTS — NOV. 30, 1978

Number Of Units	Rated Capacity (MWe)
* 70 LICENSED TO OPERATE	51,000
** 90 CONSTRUCTION PERMIT GRANTED	97,000
32 Under Operating License Review	34,000
58 Operating License Not Yet Applied For	63,000
34 UNDER CONSTRUCTION PERMIT REVIEW	39,000
** 4 Site Work Authorized, Safety Review in Process	5,000
30 Other Units Under CP Review	34,000
9 ORDERED	11,000
8 PUBLICLY ANNOUNCED	10,000
211 TOTAL	208,000

* To date there have been 427 reactor years of operation. Not included are two operable DOE-owned reactors with a combined capacity of 940 MWe.

** Total of units authorized construction (Construction Permit Granted plus Site Work Authorized): 94 units, 102,000 MWe.

ACTIVE AND PENDING APPLICATIONS FOR CENTRAL STATION
NUCLEAR POWER PLANTS AND SPECIAL PROJECTS
NOVEMBER 30, 1978

	NO. OF APPLICATIONS	NO. OF UNITS	PDA
A. OPERATING LICENSES -		70	
B. UNDER OPERATING LICENSE REVIEW	19	30	
C. UNDER CONSTRUCTION BUT OPERATING LICENSE APPLICATIONS NOT ACCEPTED	31	60	
D. UNDER CONSTRUCTION PERMIT REVIEW	20	34	
E. OTHER ORDERED OR ANNOUNCED 1/	10	17	
F. SPECIAL PROJECTS	27	--	
G. PRELIMINARY DESIGN APPROVALS ISSUED	--	--	13

NOTE: LWAS HAVE BEEN ISSUED FOR 4 UNITS CURRENTLY UNDER REVIEW FOR CONSTRUCTION PERMITS.

1/ BASED UPON FORMAL UTILITY ANNOUNCEMENTS.

STATUS OF NUCLEAR POWER PLANTS - CONTINUED

70

LICENSED TO OPERATE

A. LICENSED TO OPERATE		DATE OF ISSUANCE OF FULL POWER LICENSE	A. LICENSE TO OPERATE	DATE OF ISSUANCE OF FULL POWER LICENSE	
1.	COMMONWEALTH EDISON CO. DRESDEN 1 (PWR)	06/02/60 POL	36.	PUBLIC SERVICE CO. OF COLORADO FT ST VRAIN (HTGR)	12/21/73 FTL
2.	YANKEE ATOMIC POWER CO. YANKEE-ROWE (BWR)	10/14/60 FTL	39.	WISCONSIN PUBLIC SERVICE CORP. KEWAUNEE (PWR)	12/21/73 FTL
3.	CO SOLIDATED EDISON CO. INDIAN POINT 1 (PWR)	07/29/60 POL	40.	NEBRASKA PUBLIC POWER DISTRICT COOPER STATION (BWR)	01/18/74 FTL
4.	PACIFIC GAS & ELECTRIC CO. HUMBOLDT BAY (BWR)	06/23/61 FTL	41.	IOWA ELECTRIC LIGHT & POWER CO. ARNOLD (BWR)	02/22/74 FTL
5.	CONSUMERS POWER CO. BIG ROCK POINT (BWR)	01/26/62 POL*	42.	METROPOLITAN EDISON CO. THREE MILE ISLAND 1 (PWR)	04/19/74 FTL
6.	SOUTHERN CALIFORNIA EDISON CO. SAN ONOFRE 1 (PWR)	06/28/62 POL	43.	ARKANSAS POWER & LIGHT CO. ARKANSAS 1 (PWR)	05/21/74 FTL
7.	CONNECTICUT YANKEE ATOMIC POWER CO HADDAM NECK (BWR)	01/21/69 FTL	44.	TENNESSEE VALLEY AUTHORITY BROWNS FERRY 2 (BWR)	06/28/74 FTL
8.	DAIRYLAND COOPERATIVE POWER LACROSSE (BWR)	08/30/67 POL	45.	PHILADELPHIA ELECTRIC CO. PEACH BOTTOM 3 (BWR)	07/02/74 FTL
9.	JERSEY CENTRAL POWER & LIGHT CO. OYSTER CREEK 1 (BWR)	12/27/74 FTL	46.	DUKE POWER CO. OCONEE 3 (PWR)	07/19/74 FTL
10.	NIAGARA MOHAWK POWER CORP. NINE MILE POINT 1 (BWR)	07/03/67 POL*	47.	BALTIMORE GAS & ELECTRIC CO. CALVERT CLIFFS 1 (PWR)	07/31/74 FTL
11.	ROCHESTER GAS & ELECTRIC CORP. R.E. SINNA (PWR)	08/09/69	48.	GEORGIA POWER CO. HATCH 1 (BWR)	08/06/74 FTL
12.	COMMONWEALTH EDISON CO. DRESDEN 2 (BWR)	08/22/69 POL	49.	SACRAMENTO MUNICIPAL UTIL. DIST. RANCHO SECO (PWR)	08/16/74 FTL
13.	CAROLINA POWER & LIGHT CO. H.B. ROBINSON 2 (PWR)	12/26/74 FTL	50.	POWER AUTH. OF THE STATE OF NY FITZPATRICK (BWR)	10/17/74 FTL
14.	NORTHERN STATES POWER CO. MONTICELLO (BWR)	09/19/69 POL*	51.	INDIANA & MICHIGAN ELECTRIC CO. COOK 1 (PWR)	10/25/74 FTL
15.	WISCONSIN-MICHIGAN POWER CO. POINT BEACH 1 (PWR)	12/22/69 POL*	52.	NORTHERN STATES POWER CO. PRAIRIE ISLAND 2 (PWR)	10/29/74 FTL
16.	NORTHEAST NUCLEAR ENERGY CO. MILLSTONE 1 (BWR)	09/23/70 FTL	53.	CAROLINA POWER & LIGHT CO. BRUNSWICK 2 (BWR)	12/27/74 FTL
17.	COMMONWEALTH EDISON CO. DRESDEN 3 (BWR)	01/19/71 POL*	54.	NORTHEAST NUCLEAR ENERGY CO. MILLSTONE 2 (PWR)	08/01/75 FTL
18.	COMMONWEALTH EDISON CO. QUAD-CITIES 1 (PWR)	10/05/70 FTL	55.	PORTLAND GENERAL ELECTRIC CO. TROJAN (PWR)	11/21/75 FTL
19.	CONSUMERS POWER CO. PALISADES (PWR)	10/26/70 POL*	56.	POWER AUTH. OF THE STATE OF NY INDIAN POINT 3 (PWR)	04/05/76 FTL
20.	COMMONWEALTH EDISON CO. QUAD-CITIES 2 (BWR)	05/02/71 FTL	57.	DUQUESNE LIGHT CO. BEAVER VALLEY 1 (PWR)	01/30/76 FTL
21.	VIRGINIA ELECTRIC & POWER CO. SURREY 1 (PWR)	12/14/72 FTL	58.	FLORIDA POWER & LIGHT CO. ST. LUCIE 1 (PWR)	03/01/76 FTL
22.	FLORIDA POWER & LIGHT CO. TURKEY POINT 3 (BWR)	10/16/72 POL*	59.	TENNESSEE VALLEY AUTHORITY BROWNS FERRY 3 (BWR)	07/02/76 FTL
23.	BOSTON EDISON CO. PILGRIM 1 (BWR)	12/14/72 FTL	60.	BALTIMORE GAS & ELECTRIC CO. CALVERT CLIFFS 2 (PWR)	11/30/76 FTL
24.	VERMONT YANKEE NUCLEAR POWER CORP. VERMONT YANKEE (BWR)	05/25/72 FTL	61.	PUBLIC SERVICE ELECTRIC & GAS CO. SALEM 1 (PWR)	12/01/76 FTL
25.	VIRGINIA ELECTRIC & POWER CO. SURREY 2 (PWR)	07/19/72 FTL	62.	CAROLINA POWER & LIGHT CO. BRUNSWICK 1 (BWR)	11/12/76 FTL
26.	DUKE POWER CO. OCONEE 1 (PWR)	09/15/72 FTL	63.	FLORIDA POWER CORP. CRYSTAL RIVER 3 (PWR)	01/31/77 FTL
27.	WISCONSIN-MICHIGAN ELECTRIC CO. POINT BEACH 2 (BWR)	02/28/73 FTL	64.	TOLEDO EDISON CO. DAVIS-BESSE 1 (PWR)	04/22/77 FTL
28.	FLORIDA POWER & LIGHT CO. TURKEY POINT 4 (BWR)	02/06/73 FTL	65.	ALABAMA POWER CO. FARLEY 1 (PWR)	06/25/77 FTL
29.	MAINE YANKEE ATOMIC POWER CO. MAINE YANKEE (PWR)	03/08/73 FTL	66.	VIRGINIA ELECTRIC & POWER CO. NORTH ANNA 1 (PWR)	11/26/77 FTL
30.	TENNESSEE VALLEY AUTHORITY BROWNS FERRY 1 (BWR)	04/10/73 FTL	67.	INDIANA MICHIGAN ELECTRIC CO. COOK 2 (PWR)	12/23/77 FTL
31.	OMAHA PUBLIC POWER DISTRICT FT. CALHOUN 1 (PWR)	06/29/73 FTL	68.	METROPOLITAN EDISON CO. THREE MILE ISLAND 2 (PWR)	02/08/78 FTL
32.	CONSOLIDATED EDISON CO. INDIAN POINT 2 (PWR)	12/20/73 FTL	69.	GEORGIA POWER CO. HATCH 2 (BWR)	06/13/78 FTL
33.	DUKE POWER CO. OCONEE 2 (PWR)	08/09/73 FTL	70.	ARKANSAS POWER & LIGHT CO. ARKANSAS 2 (PWR)	09/01/78 FTL
34.	COMMONWEALTH EDISON CO. ZION 1 (PWR)	09/28/73 FTL			
35.	PHILADELPHIA ELECTRIC CO. PEACH BOTTOM 2 (BWR)	10/06/73 FTL			
36.	COMMONWEALTH EDISON CO. ZION 2 (PWR)	10/19/73 FTL			
37.	NORTHERN STATES POWER CO. PRAIRIE ISLAND 1 (PWR)	10/25/73 FTL			
		11/14/73 FTL			
		04/05/74 FTL			

*HAVE APPLIED FOR A FULL-TIME LICENSE

POL = PROVISIONAL OPERATING LICENSE
 FTL = FULL-TERM LICENSE
 FLO = FUEL LOADING ONLY

STATUS OF NUCLEAR POWER PLANTS - CONTINUED

90

CONSTRUCTION PERMITS GRANTED

	DOCKET DATE OF APPLICATION
B. UNDER OPERATING LICENSE REVIEW	
1. PUBLIC SERVICE ELECTRIC & GAS CO. SALEM 2 (PWR)	08/25/71
2. VIRGINIA ELECTRIC & POWER CO. NORTH ANNA 2 (PWR)	5/03/73
3. ALABAMA POWER CO. FARLEY 2 (PWR)	08/30/73
4. PACIFIC GAS & ELECTRIC CO. DIABLO CANYON 1 & 2 (PWR)	10/02/73
5. TENNESSEE VALLEY AUTHORITY SEQUOYAH 1 & 2 (PWR)	01/31/74
6. DUKE POWER CO. MCGUIRE 1 & 2 (PWR)	05/31/74
7. DETROIT EDISON CO. FERMI 2 (BWR)	04/04/75
8. CINCINNATI GAS & ELECTRIC CO. ZIMMER 1 (BWR)	09/10/75 (FSAR & ENV.)
9. LONG ISLAND LIGHTING CO. SHOREHAM (BWR)	01/26/76 (FSAR & ENV.)
10. TENNESSEE VALLEY AUTHORITY WATTS BAR 1 & 2 (PWR)	10/04/76 (FSAR)
11. SOUTH CAROLINA ELECTRIC & GAS CO. SUMMER 1 (PWR)	02/24/77 (FSAR & ENV.)
12. SOUTHERN CALIFORNIA EDISON CO. SAN ONOFRE 2 & 3 (PWR)	03/22/77 (FSAR & ENV.)
13. WASHINGTON PUBLIC POWER SUPPLY SYS. WPPSS 2 (BWR)	04/20/77 (ENV.)
14. COMMONWEALTH EDISON CO. LASALLE 1 & 2 (BWR)	06/22/78 (FSAR)
15. CONSUMERS POWER CO. MIDLAND 1 & 2 (PWR)	05/12/77 (FSAR & ENV.)
16. TEXAS UTILITIES GENERATING CO. COMANCHE PEAK 1 & 2	11/18/77 (FSAR)
17. HOUSTON POWER & LIGHT CO. SOUTH TEXAS 1 & 2 (PWR)	04/14/78 (ENV.)
18. PENNSYLVANIA POWER & LIGHT CO. SUSQUEHANNA 1 & 2 (BWR)	04/25/78 (FSAR)
19. MISSISSIPPI POWER & LIGHT CO. GRAND GULF 1 & 2 (BWR)	07/17/78 (FSAR & ENV.)
	06/10/78 (ENV.)
	07/31/78 (FSAR)
	06/30/78 (FSAR & ENV.)

(30 UNITS)

	CP ISSUANCE
C. UNDER CONSTRUCTION BUT OPERATING LICENSE APPLICATIONS NOT ACCEPTED	
1. JERSEY CENTRAL POWER & LIGHT CO. FORKED RIVER (PWR)	07/10/73
2. NORTHERN INDIANA PUBLIC SERV. CO. BAILLY (BWR)	05/01/74
3. DUQUESNE LIGHT CO. BEAVER VALLEY 2 (PWR)	05/03/74
4. PHILADELPHIA ELECTRIC CO. LIMERICK 1 & 2 (BWR)	06/19/74
5. NIAGARA MOHAWK POWER CORP. NINE MILE POINT 2 (BWR)	06/24/74
6. GEORGIA POWER CO. VOGTLE 1 & 2 1/2 (PWR)	06/28/74
7. VIRGINIA ELECTRIC & POWER CO. NORTH ANNA 3 & 4 (PWR)	07/26/74
8. NORTHEAST NUCLEAR ENERGY CO. MILLSTONE 3 (PWR)	08/09/74
9. PUBLIC SERVICE ELEC. & GAS CO. HOPE CREEK 1 & 2 (BWR)	11/01/74
10. LOUISIANA POWER & LIGHT CO. WATERFORD 3 (PWR)	11/14/74

1/VOGTLE 3 AND 4 HAVE BEEN CANCELLED.

	CP ISSUANCE
C. UNDER CONSTRUCTION BUT OPERATING LICENSE APPLICATIONS NOT ACCEPTED	
11. TENNESSEE VALLEY AUTHORITY BELLEFONTE 1 & 2 (PWR)	12/24/74
12. DUKE POWER CO. CATAWBA 1 & 2 (PWR)	08/07/75
13. WASHINGTON PUBLIC POWER SUPPLY SYS. WPPSS 1 (PWR)	12/23/75
14. COMMONWEALTH EDISON CO. BRAIDWOOD 1 & 2 (PWR)	12/31/75
15. COMMONWEALTH EDISON CO. BYRON 1 & 2 (PWR)	12/31/75
16. ILLINOIS POWER CO. CLINTON 1 & 2 (BWR)	02/24/76
17. UNION ELECTRIC CO. CALLAWAY 1 & 2 (PWR)	04/16/76
18. ARIZONA PUBLIC SERVICE CO. PALO VERDE 1 - 3 (PWR)	05/24/76
19. PUBLIC SERVICE CO. OF N.H. SEABROOK 1 & 2 (PWR)	07/07/76
20. GULF STATES UTILITIES CO. RIVER BEND 1 & 2 (BWR)	03/25/77
21. FLORIDA POWER & LIGHT CO. ST. LUCIE 2 (PWR)	05/02/77
22. CLEVELAND ELECTRIC ILLUMINATING CO. PERRY 1 & 2 (BWR)	05/03/77
23. TENNESSEE VALLEY AUTHORITY HARTSVILLE 1 - 4 (BWR)	05/09/77
24. KANSAS GAS & ELECTRIC CO. WOLF CREEK (PWR)	05/17/77
25. ROCHESTER GAS & ELECTRIC CORP. STERLING 1 (PWR)	09/01/77
26. NORTHERN STATES POWER CO. TYRON 1 (PWR)	12/27/77
27. DUKE POWER CO. CHEROKEE 1 - 3 (PWR)	12/30/77
28. TENNESSEE VALLEY AUTHORITY PHIPPS BEND 1 & 2 (BWR)	01/16/78
29. CAROLINA POWER & LIGHT CO. HARRIS 1 - 4 (PWR)	01/27/78
30. PUBLIC SERVICE OF INDIANA MARBLE HILL 1 & 2 (PWR)	04/04/78
31. WASHINGTON PUBLIC POWER SUPPLY SYS. WPPSS 3 & 5 (PWR)	04/11/78
32. TENNESSEE VALLEY AUTHORITY YELLOW CREEK 1 & 2 (PWR)	11/29/78
NA WASHINGTON PUBLIC POWER SUPPLY SYS. WPSS 4 (PWR)	02/21/78

(60 UNITS)

NA - PART OF APPLICATION FOR UNIT 1

34

UNDER CONSTRUCTION PERMIT REVIEW

D. UNDER CONSTRUCTION PERMIT REVIEW	DOCKET DATE OF APPLICATION
1. POTOMAC ELECTRIC POWER CO.2/ DOUGLAS POINT 1 (PWR)	08/09/73(SAF & ENV)
2. DETROIT EDISON CO. GREENWOOD 2 & 3 (PWR)	09/17/73(SAFETY) 09/07/73(ENV)
3. PHILADELPHIA ELECTRIC CO.1/4/ FULTON 1 & 2	11/16/73(SAFETY) 11/16/73(ENV)
4. HOUSTON LIGHTING & POWER CO. ALLENS CREEK 1 (BWR)	12/07/73(SAF & ENV)
5. BOSTON EDISON CO. PILGRIM 2 (PWR)	12/21/73(SAF & ENV)
6. PUBLIC SERVICE ELECTRIC & GAS CO. ATLANTIC 1 & 2 (PWR)4/	03/01/74(SAF & ENV)
7. DUKE POWER CO. PERKINS 1-3 (PWR)	05/24/74(SAFETY) 07/08/74(ENV)
8. NORTHEAST NUCLEAR ENERGY CO. MONTAGUE 1 & 2 (BWR)4/	07/12/74(SAF & ENV)
9. PORTLAND GENERAL ELECTRIC CO. PEBBLE SPRING 1 & 2 (PWR)	08/06/74(ENV) 10/18/74(SAFETY)
10. TOLEDO EDISON CO.*^ DAVIS BESSE 2 & 3 (PWR)	08/09/74(ENV) 08/16/74(SAFETY)
11. WISCONSIN ELECTRIC POWER CO.3/ HAVEN 1 (PWR)	08/09/74(SAFETY) 09/06/74(ENV)
12. LONG ISLAND LIGHTING CO. JAMESPORT 1 & 2 (PWR)	09/06/74(SAFETY) 09/17/74(ENV)
13. PUGET SOUND POWER & LIGHT CO. SKAGIT 1 & 2 (BWR)	09/30/74(ENV) 01/15/74(SAFETY)
14. PUERTO RICO WATER RESOURCES AUTH. NORTH COAST (PWR)2/	01/27/75(SAF & ENV)
15. PROJECT MANAGEMENT CORP.4/ CLINCH RIVER (LMPBR)	04/11/75(ENV) 06/13/75(SAFETY)
16. POWER AUTHORITY OF THE STATE OF NY GREENE COUNTY (PWR)	09/15/75(ENV) 01/26/75(SAFETY)
17. PUBLIC SERVICE CO. OF OKLAHOMA BLACK FOX 1 & 2 (PWR)**	12/23/75(SAF & ENV)
18. NEW ENGLAND POWER NEW ENGLAND 1 & 2 (PWR)	09/09/76(SAF & ENV)
19. OHIO EDISON CO. ERIE 1 & 2 (PWR)	03/01/77(SAFETY) 05/02/77(ENV)
20. ARIZONA PUBLIC SERVICE CO. PALO VERDE 4 & 5	03/31/78(SAFETY)

34 UNITS
25 UNITS UNDER ACTIVE REVIEW
7 UNITS POSTPONED INDEFINITELY OR DEFERRED
2 UNITS - CP REVIEWS SUSPENDED - ESR UNDERWAY

**LWA ISSUED.
1/NSSS CONTRACTS CANCELLED.
2/CP REVIEW SUSPENDED - ESR UNDERWAY.
3/AMENDMENT TO CHANGE SITE.
4/POSTPONED INDEFINITELY OR DEFERRED.

STATUS OF NUCLEAR POWER PLANTS - CONTINUED

9

ORDERED

E. OTHERS ORDERED OR ANNOUNCED

ORDERED

1. CAROLINA POWER & LIGHT CO.
CAROLINA 1 & 2 (PWR)
2. PACIFIC GAS & ELECTRIC CO.
STANISLAUS 1 & 2 (DWR)
3. PUBLIC SERVICE ELECTRIC & GAS CO.
ATLANTIC 3 & 4 (PWR)
4. IOWA UTILITIES
IOWA 1 (PWR)
5. NEW YORK ELECTRIC & GAS CO.
NEW HAVEN 1 & 2 (PWR) CC.

(9 UNITS)

8

PUBLICLY ANNOUNCED

E. OTHERS ORDERED OR ANNOUNCED (CONTINUED)

ANNOUNCED

1. COMMONWEALTH EDISON CO.
CARROLL 1 & 2
2. AMERICAN ELECTRIC POWER CO.
CENTRAL VIRGINIA 1 & 2
3. SACRAMENTO MUNICIPAL UTILITY DISTRICT
RANCHO SECO 2
4. NEW YORK POWER POOL
MID-HUDSON EAST
NINE MILE POINT 3
5. DELMARVA POWER & LIGHT CO.
SUMMIT 1

(8 UNITS)

SPECIAL PROJECTS

F. SPECIAL PROJECTS-PENDING

	DATE OF APPLICATION
1. RFTF	04/02/76 (FSAR)
2. FLOATING NUCLEAR PLANTS 1-B	07/05/73 (DOCKETED)
3. GAS TURBINE HTGR	07/31/75 (DOCKETED)
4. GASSAR	02/05/75 (DOCKETED)
5. GIBBSAR/RESAR-414	10/15/76 (DOCKETED 05/10/77)
6. GAISSAR	02/24/75
7. FT. CALHOUN (LESR)	01/26/76
8. SRC	05/31/77 (DOCKETED 05/08/77)
9. SWESSAR/BSAR-205	12/22/75 (DOCKETED)
10. WOOD SITE STUDY	08/21/75
11. BOPSSAR/BSAR-205	10/31/77 (DOCKETED)
12. BLUE HILLS (SITE STUDY)	10/31/77
13. BSSAR/CESSAR	11/23/77 (DOCKETED 02/02/78)
14. BSSAR/RESAR-414	11/23/77 (DOCKETED 03/13/78)
15. BSSAR/BSAR-205	11/23/77 (DOCKETED 05/19/78)
16. RESAR-35 EXTENSION	03/21/78
17. RESAR-41 EXTENSION	03/21/78
18. BRAUN SAR	03/21/78
19. GESSAR-238 NI EXTENSION	03/21/78
20. GESSAR-238 NSSS EXTENSION	03/21/78
21. GESSAR-251 EXTENSION	03/21/78
22. SWESSAR/CESSAR EXTENSION	03/21/78
23. SWESSAR/RESAR-35 EXTENSION	03/21/78
24. SWESSAR/RESAR-41 EXTENSION	03/21/78
25. BOPSSAR/RESAR-41 EXTENSION	03/21/78
26. BSAR-205 EXTENSION	03/21/78
27. CESSAR EXTENSION	03/21/78

G. PRELIMINARY DESIGN APPROVALS COMPLETED

APPLICANT	PDA NO.	DOCKET DATE	DATE ISSUED
1. GENERAL ELECTRIC CO. GESSAR-238 NI	PDA- 1	07/30/73	12/22/75
2. COMBUSTION ENG., INC. CESSAR	PDA- 2	12/19/73	12/31/75
3. WESTINGHOUSE ELEC CORP. RESAR-41	PDA- 3	03/11/74	12/31/75
4. STONE AND WEBSTER SWESSAR/RESAR	PDA- 4	06/28/74	05/05/76
5. BRAUN SAR	PDA- 5	12/21/74	05/07/76
6. STONE & WEBSTER SWESSAR/CESSAR	PDA- 6	10/21/74	08/18/76
7. WESTINGHOUSE ELEC CORP. RESAR-35	PDA- 7	07/31/75	12/30/76
8. STONE AND WEBSTER SWESSAR/RESAR 35	PDA- 8	10/03/75	03/31/77
9. GENERAL ELECTRIC CO. GESSAR-251	PDA- 9	02/14/75	03/31/77
10. GENERAL ELECTRIC CO. GESSAR-238 NSSS	PDA-10	09/24/75	03/10/77
11. FLUOR POWER BOPSSAR/RESAR-41	PDA-11	01/27/76	08/17/77
12. BABCOCK & WILCOX BSAR-205	PDA-12	03/01/76	05/31/78
13. WESTINGHOUSE ELEC CORP. RESAR 414	PDA-13	12/30/76	11/04/78

OPERATING REACTORS BY STATE



ALABAMA

Browns Ferry 1, 2 & 3 (1065 MWe each)
Farley 1 (829 MWe)

ARKANSAS

Arkansas 1 (850 MWe)
Arkansas 2 (912 MWe)

CALIFORNIA

Humboldt Bay (63 MWe)
Rancho Seco (918 MWe)
San Onofre 1 (430 MWe)

COLORADO

Ft. St. Vrain (330 MWe)

CONNECTICUT

Connecticut Yankee (575 MWe)
Millstone Point 1 (852 MWe)
Millstone Point 2 (828 MWe)

FLORIDA

St. Lucie 1 (810 MWe)
Turkey Point 3 / 4 (693 MWe each)
Crystal River 3 (825 MWe)

GEORGIA

Hatch 1 (786 MWe)
Hatch 2 (795 MWe)

ILLINOIS

Dresden 1 (200 MWe)
Dresden 2 & 3 (794 MWe each)
Quad Cities 1 / 2 (789 MWe each)
Zion 1 / 2 (1040 MWe each)

IOWA

Duane Arnold (538 MWe)

MAINE

Maine Yankee (790 MWe)

MARYLAND

Calvert Cliffs 1 (845 MWe)
Calvert Cliffs 2 (845 MWe)

MASSACHUSETTS

Pilgrim 1 (655 MWe)
Yankee-Rowe (175 MWe)

MICHIGAN

Palisades (668 MWe)
Big Rock Point (72 MWe)
Cook 1 (1054 MWe)
Cook 2 (1060 MWe)

MINNESOTA

Monticello (545 MWe)
Prairie Island 1 & 2 (530 MWe each)

NEBRASKA

Ft. Calhoun 1 (457 MWe)
Cooper Station (778 MWe)

NEW JERSEY

Oyster Creek (650 MWe)
Salem 1 (1090 MWe)

NEW YORK

FitzPatrick (821 MWe)
Ginna (490 MWe)
Indian Point 1 (265 MWe)
Indian Point 2 (873 MWe)
Indian Point 3 (873 MWe)
Nine Mile Pt. 1 (610 MWe)

NORTH CAROLINA

Brunswick 1 & 2 (821 MWe each)

OHIO

Davis-Besse 1 (906 MWe)

OREGON

Trojan (1130 MWe)

PENNSYLVANIA

Beaver Valley 1 (852 MWe)
Peach Bottom 2 & 3 (1065 MWe each)
Three Mile Island 1 (819 MWe)
Three Mile Island 2 (906 MWe)

SOUTH CAROLINA

Oconee 1, 2 & 3 (887 MWe each)
Robinson 2 (712 MWe)

VERMONT

Vermont Yankee (514 MWe)

VIRGINIA

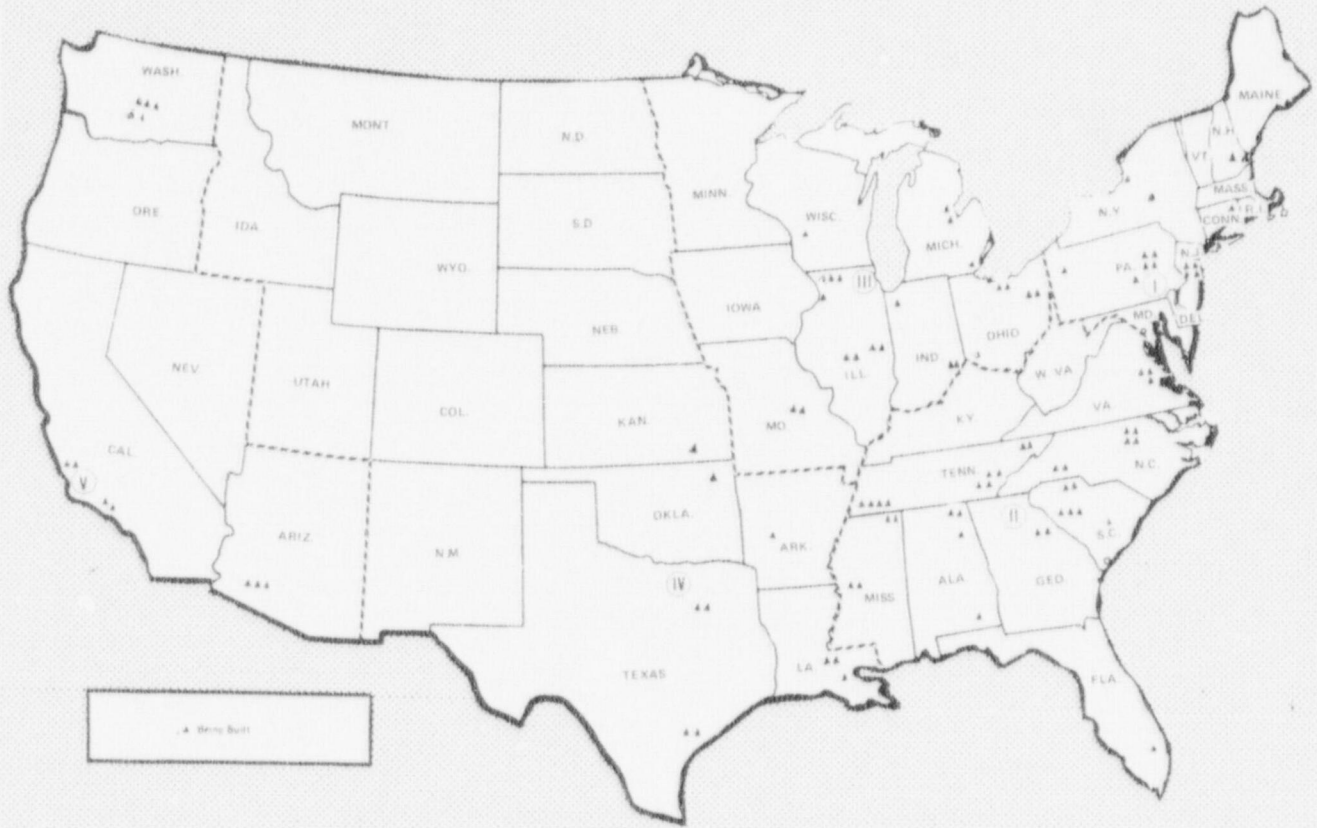
North Anna 1 (898 MWe)
Surry 1 & 2 (822 MWe each)

WISCONSIN

Kewaunee (535 MWe)
Point Beach 1 & 2 (497 MWe each)
LaCrosse (50 MWe)

70 LICENSED TO OPERATE

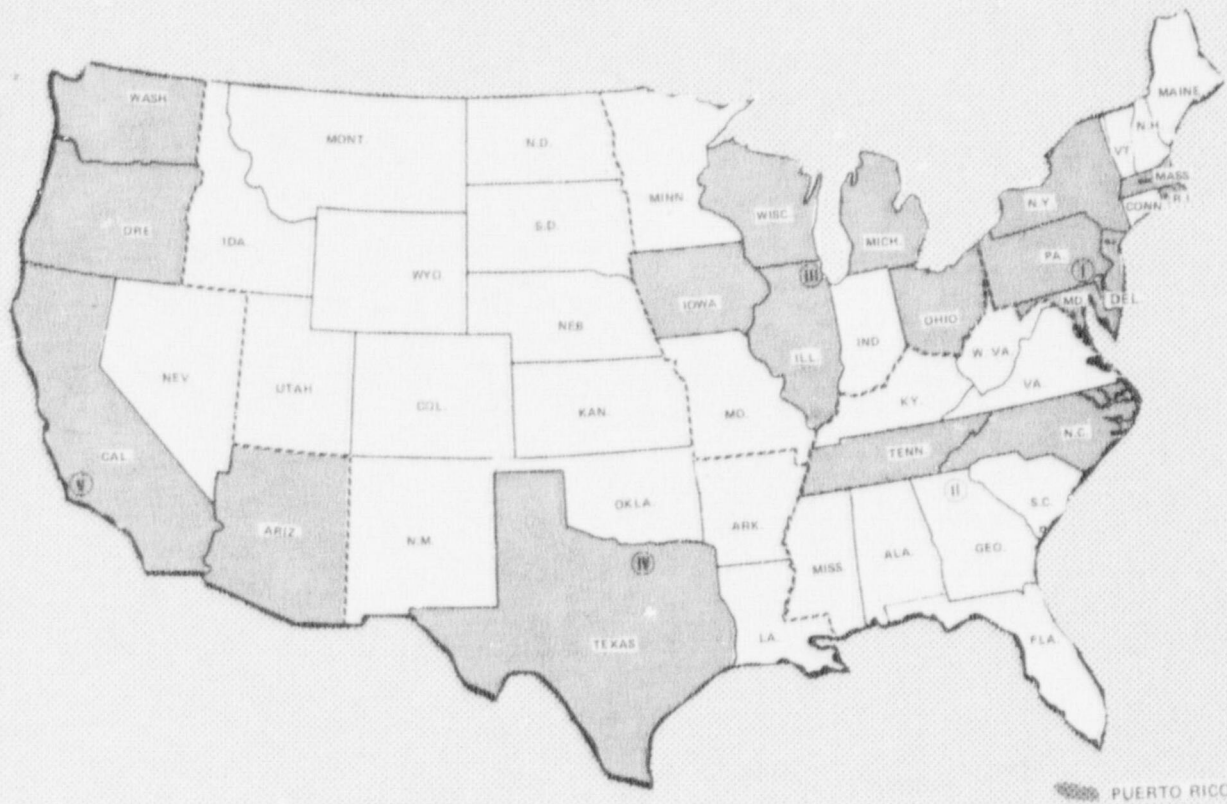
REACTORS UNDER CONSTRUCTION BY STATE



STATE	REACTOR NAME	MW(e)	STATUS
ALABAMA	Bellefonte 1	1213	▲
	Bellefonte 2	1213	▲
	Farley 2	829	▲
ARIZONA	Palo Verde 1	1238	▲
	Palo Verde 2	1238	▲
	Palo Verde 3	1238	▲
	San Onofre 3	1100	▲
CALIFORNIA	Diablo Canyon 1	1084	▲
	Diablo Canyon 2	1106	▲
	San Onofre 2	1100	▲
	San Onofre 3	1100	▲
CONNECTICUT	Millstone 3	1156	▲
FLORIDA	St. Lucie 2	810	▲
GEORGIA	Vogtle 1	1113	▲
	Vogtle 2	1113	▲
ILLINOIS	Braidwood 1	1120	▲
	Braidwood 2	1120	▲
	Clinton 2	933	▲
INDIANA	Bailly Station	645	★
	Marble Hill 1	1130	▲
	Marble Hill 2	1130	▲
KANSAS	Wolf Creek	1150	▲
LOUISIANA	Riverbend 1	934	▲
	Riverbend 2	934	▲
	Waterford 3	1113	▲
MICHIGAN	Fermi 2	1093	▲
	Midland 1	460	▲
	Midland 2	811	▲
MISSISSIPPI	Grand Gulf 1	1250	▲
	Grand Gulf 2	1250	▲
	Yellow Creek 2	1285	▲
MISSOURI	Callaway 1	1120	▲
	Callaway 2	1120	▲
NEW HAMPSHIRE	Seabrook 1	1200	▲
	Seabrook 2	1200	▲
NEW JERSEY	Forked River	1070	▲
	Hope Creek 1	1067	▲
	Hope Creek 2	1067	▲
NEW YORK	Nine Mile Point 2	1100	▲
	Shoreham	810	▲
	Sterling 1	1140	▲
NORTH CAROLINA	Harris 1	900	▲
	Harris 2	900	▲
	Harris 3	900	▲
	Watts Bar 4	900	▲
OHIO	Zimmer	810	▲
	Davis-Besse 2	906	★
OKLAHOMA	Davis-Besse 3	906	★
	Black Fox 1	1150	★
PENNSYLVANIA	Beaver Valley 2	852	▲
	Limerick 1	1065	▲
SOUTH CAROLINA	Catawba 1	1145	▲
	Catawba 2	1145	▲
TENNESSEE	Hartsville 1	1233	▲
	Hartsville 2	1233	▲
	Hartsville 3	1233	▲
TEXAS	Comanche Peak 1	1150	▲
	Comanche Peak 2	1150	▲
VIRGINIA	North Anna 2	898	▲
	North Anna 3	907	▲
WASHINGTON	Wash. Nuclear Proj. 1	1218	▲
	Wash. Nuclear Proj. 2	1103	▲
	Wash. Nuclear Proj. 4	1218	▲
	Wash. Nuclear 3	1242	▲
	Wash. Nuclear 5	1242	▲
WISCONSIN	Tyrone	1150	▲
TOTAL		94	

★ ★ Work conducted under a LWA

REACTORS PLANNED BY STATE



ARIZONA

PALO VERDE 4 & 5 (1270 EACH)

CALIFORNIA

RANCHO SECO 2 (1100)
STANISLAUS 1 & 2 (1200 EACH)

DELAWARE

TRUYET 1 (1700)

IOWA

CENTRAL IOWA UNIT 1 (1200)

ILLINOIS

CARROLL 1 & 2 (1120 EACH)

MASSACHUSETTS

MONTAGUE 1 & 2 (1150 EACH)
PIRGIM 2 (1100)

MARYLAND

DOUGLAS POINT 1 (1146)

MICHIGAN

GREENWOOD 2 & 3 (1200 EACH)

NORTH CAROLINA

PERKINS 1-3 (1200 EACH)
CAROLINA 1-2 (1150 EACH)

NEW JERSEY

ATLANTIC 1 & 2 (1150 EACH)
ATLANTIC 3 & 4 (1150 EACH)

NEW YORK

GREEN COUNTY (1191)
JAMESPORT 1 & 2 (1150 EACH)
★NEW YORK 1 & 2 (1200 EACH)
★MID-HUDSON EAST 1 (1300)
NINE MILE PT. 3 (1300)

OHIO

ERIE 1 & 2 (1260 EACH)

OREGON

PEBBLE SPRINGS 1 & 2 (1260 EACH)

PENNSYLVANIA

FULTON 1 & 2 (1160 EACH)

RHODE ISLAND

NEW ENGLAND 1 & 2 (1150 EACH)

TENNESSEE

CLINCH RIVER (350)

TEXAS

ALLENS CREEK 1 (1150)
BLUE HILLS 1 & 2 (918 EACH)

WASHINGTON

SKAGIT 1 & 2 (1277 EACH)

WISCONSIN

HAVEN 1 (900)

TOTAL..... 47 UNITS

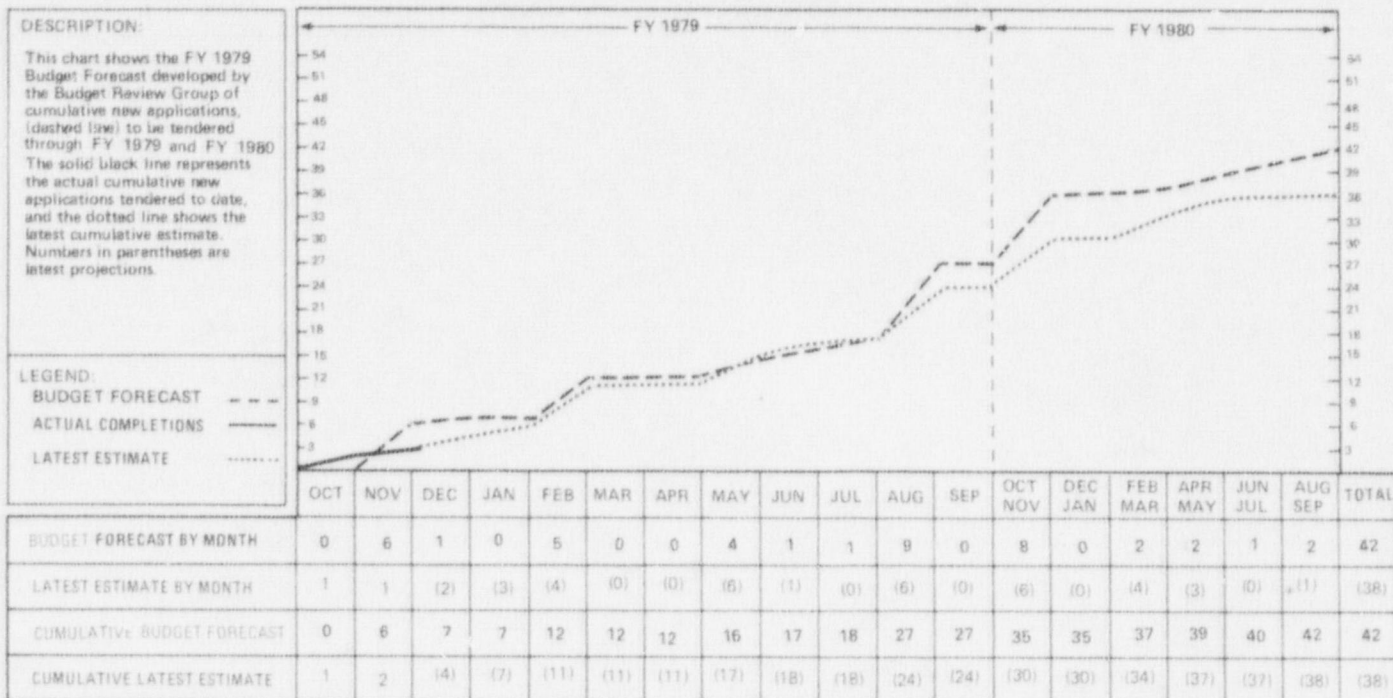
PUERTO RICO

NORTH COAST (583)

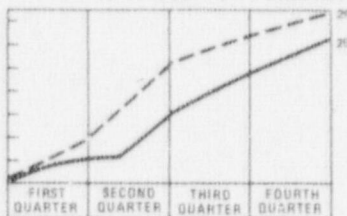
★ PLANNED -- LOCATIONS NOT FIRM.

NEW APPLICATION FORECAST

DATA AS OF: NOVEMBER 30, 1978



FY 1978 VS OCTOBER 1977 FORECAST



NOTES

DEVELOPMENT STAGES:
 PDC (Pre Docketed CP) - CP application to be tendered.
 PCP (Post CP) - OL application to be tendered.
 PDS (Pre Docketed Special) - Special application to be tendered.
 SPC (Special) - Special application that has been received.
 ESR - Early Site Review
 LES - Limited Early Site Review
 NSS - Nuclear Steam System Supplier Review
 BOP - Balance of Plant Review
 N/A - Milestone or schedule terminated.
 N/S - Currently not scheduled.
 * - Estimate not firm.

SUMMARY:

(2) TENDERED TO DATE 33% OF FORECAST

(38) BY END OF FY 1980 90% OF FORECAST

FY 1979	10/01/78 FORECAST	CURRENT ESTIMATE	FY 1980	10/01/79 Forecast	CURRENT ESTIMATE
(SPC) (FPA) GESSAR SYSTEM 80 (1295)	11/00/78	10/27/78C	(PDS) GCR HTGR	11/00/78	11/00/79
(PDC) N. HAVEN 1 & 2 (1220)	11/00/78	11/22/78C	(PDS) (PDA) BOPSSAR/CESSAR* (0000)	11/00/79	11/00/79
(ESR) FULTON SITE (0000)	11/00/78	12/00/78	(PDS) (PDA) HTGR NSS BOP (0000)	11/00/79	11/00/79
(LES) SUMMIT SITE (0000)	11/00/78	12/00/78	(PDS) (PDA) TRANS REAC TEST UFG (0000)	11/00/79	11/00/79
(ESR) CARROLL SITE (1120)	02/00/79	01/00/79	(PCP) PALD VERDE 1,2,3 (1270)	11/00/79	11/00/79
(PDS) (PDA) GIBBSAR/BSAR-205 (0000)	11/00/78	01/00/79	(PDS) (SP) LMFB VAR. P5ID 4* (0000)	05/00/80	11/00/79
(CP) GREENWOOD 2 & 3 (1200)	12/00/78	01/00/79	(PDS) (PDA) GASSAR-6 REV NSS* (0000)	02/00/80	02/00/80
(PDS) (PDA) BAR/RESAR414 (0000)	02/00/79	02/00/79	(LES) TVA LESR (0000)	02/00/80	02/00/80
(ESR) NEW HAVEN/STUV. ALT. (0000)	02/00/79	02/00/79	(PDS) (SP) LMFB VAR. P5ID 5* (0000)	08/00/80	02/00/80
(PCP) PERRY 1 & 2 (1205)	02/00/79	02/00/79	(PCP) HARTSVILLE A1-A2, B1, B2 (1233)	11/00/79	03/00/80
(PDS) (SP) LMFB VAR. P5ID 2* (0000)	02/00/79	02/00/79	(PDS) (SP) LMFB VAR. P5ID 6* (0000)	02/00/79	05/00/80
(PCP) CLINTON 1 & 2 (0933)	05/00/79	05/00/79	(PDC) CENTRAL VIRGINIA 1 & 2 (0000)	07/00/79	05/00/80
(PDC) INDIANA 1 & 2* (0000)	05/00/79	05/00/79	(PCP) WOLF CREEK 1 (1150)	05/00/80	05/00/80
(PCP) MARBLE HILL 1 & 2 (1130)	05/00/79	05/00/79	(PCP) NINE HOLE POINT 2 (1180)	05/00/80	08/00/80
(PDS) (SP) PWR (THORIUM CORE)* (0000)	06/00/79	05/00/79			
(ESR) NEW MEXICO SITE* (0000)	08/00/79	05/00/79			
(PCP) CATAUMBA 1 & 2 (1145)	08/00/80	05/00/79			
(PDC) CARROLL 1 & 2 (0000)	11/00/79	06/00/79			
(SPC) (SP) A1W-A ADV. CORE* (0000)	08/00/79	08/00/79			
(ESR) BALTIMORE SITE (0000)	08/00/79	08/00/79			
(PCP) CALLAWAY 1 & 2 (1120)	08/00/79	08/00/79			
(ESR) TVA ESR 2 (0000)	08/00/79	08/00/79			
(ESR) WASHINGTON SITE (0000)	05/00/79	08/00/79			
(PDS) (SP) LMFB VAR. P5ID 3* (0000)	11/00/79	05/00/79			

BEYOND FY 1980

(PCP) BEAVER VALLEY 2 (0852)	05/00/79	06/00/81
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NOT SCHEDULED

(ESR) GCR SITE* (0000)	05/00/79	N/S
(PDS) (PDA) GESSAR-238 (0000)	11/00/79	N/S
(PDS) (PDA) GIBBSAR/CESSAR (0000)	08/00/79	N/S
(ESR) TVA ESR 1 (0000)	11/00/79	N/S

INDEX TO REACTORS BY UTILITY OWNER

	UTILITY	REACTOR	DOCKET	TYPE	MWe	COOLING SOURCE	COOLING METHOD
1	ALABAMA POWER COMPANY	FARLEY 1	05000348	PWR	0829	CHATTAHOOCHEE RIVER	CC FRICT
2	ALABAMA POWER COMPANY	FARLEY 2	05000364	PWR	0829	CHATTAHOOCHEE RIVER	FORCED AIR TWR
3	AMERICAN ELECTRIC COMPANY	CENTRAL VIRGINIA			1150		
4	AMERICAN ELECTRIC COMPANY	CENTRAL VIRGINIA			1150		
5	ARIZONA PUBLIC SERVICE	FALD VERDE 1	05000508	PWR	1238	SEWAGE TREATMENT	COOLING TOWERS
6	ARIZONA PUBLIC SERVICE	FALD VERDE 2	05000529	PWR	1238	SEWAGE TREATMENT	COOLING TOWERS
7	ARIZONA PUBLIC SERVICE	FALD VERDE 3	05000550	PWR	1238	SEWAGE TREATMENT	COOLING TOWERS
8	ARIZONA PUBLIC SERVICE	FALD VERDE 4	05000581	PWR	1238	SEWAGE TREATMENT	COOLING TOWERS
9	ARIZONA PUBLIC SERVICE	FALD VERDE 5	05000602	PWR	1238	SEWAGE TREATMENT	COOLING TOWERS
10	ARKANSAS POWER & LIGHT	ARKANSAS	05000313	PWR	0850	LAKE DARDANELLE	ONCE THRU
11	ARKANSAS POWER & LIGHT	ARKANSAS 2	05000348	PWR	0910	ARKANSAS RIVER	CC HNDCT
12	BALTIMORE GAS & ELECTRIC	CALVERT CLIFFS 1	05000317	PWR	0645	CHESAPEAKE BAY	ONCE THRU
13	BALTIMORE GAS & ELECTRIC	CALVERT CLIFFS 2	05000318	PWR	0645	CHESAPEAKE BAY	ONCE THRU
14	BOSTON EDISON	FILORIM 1	05000293	BWR	0470	CAPE COD BAY	ONCE THRU
15	BOSTON EDISON	FILORIM 2	05000471	PWR	1180	CAPE COD BAY	ONCE THRU
16	CAROLINA POWER & LIGHT	BRUNSWICK 1	05000325	BWR	0821	CAPE FEAR ESTUARY	ONCE THRU
17	CAROLINA POWER & LIGHT	BRUNSWICK 2	05000324	BWR	0821	CAPE FEAR ESTUARY	ONCE THRU
18	CAROLINA POWER & LIGHT	CAROLINA 1	05000443	PWR	1150	UNKNOWN	
19	CAROLINA POWER & LIGHT	CAROLINA 2	05000443	PWR	1150	UNKNOWN	
20	CAROLINA POWER & LIGHT	HARRIS 1	05000400	PWR	0900	MAKEUP RESERVOIR	NDCT
21	CAROLINA POWER & LIGHT	HARRIS 2	05000401	PWR	0900	MAKEUP RESERVOIR	NDCT
22	CAROLINA POWER & LIGHT	HARRIS 3	05000402	PWR	0900	MAKEUP RESERVOIR	NDCT
23	CAROLINA POWER & LIGHT	HARRIS 4	05000403	PWR	0900	MAKEUP RESERVOIR	NDCT
24	CAROLINA POWER & LIGHT	ROBINSON 2	05000261	PWR	0700	ROBINSON IMPONDMENT	CC ART
25	CINCINNATI GAS & ELECTRIC	ZIMMER 1	05000308	PWR	0810	OHIO RIVER	COOLING TOWER
26	CLEVELAND ELECTRIC ILLUMINATING	PIKWEY 1	05000440	BWR	1205	LAKE ERIE	CC HNDCT
27	CLEVELAND ELECTRIC ILLUMINATING	PIKWEY 2	05000441	BWR	1205	LAKE ERIE	CC HNDCT
28	COMMONWEALTH EDISON	BRALWOOD 1	05000457	PWR	1120	KANKAKEE RIVER	CC ART
29	COMMONWEALTH EDISON	BRALWOOD 2	05000457	PWR	1120	KANKAKEE RIVER	CC ART
30	COMMONWEALTH EDISON	BYRON 1	05000454	PWR	1120	ROCK RIVER	CC HNDCT
31	COMMONWEALTH EDISON	BYRON 2	05000455	PWR	1120	ROCK RIVER	CC HNDCT
32	COMMONWEALTH EDISON CO.	CARROLL 1	05000559		1120	UNKNOWN	
33	COMMONWEALTH EDISON CO.	CARTOLL 2	05000559		1120	UNKNOWN	
34	COMMONWEALTH EDISON	DRESDEN 1	05000510	BWR	0200	KANKAKEE RIVER	ONCE THRU
35	COMMONWEALTH EDISON	DRESDEN 2	05000511	BWR	0809	KANKAKEE RIVER	COOLING LAKE
36	COMMONWEALTH EDISON	DRESDEN 3	05000512	BWR	0809	KANKAKEE RIVER	COOLING LAKE
37	COMMONWEALTH EDISON	LASALLE 1	05000373	BWR	1078	ROCK RIVER	NDCT
38	COMMONWEALTH EDISON	LASALLE 2	05000374	BWR	1078	ROCK RIVER	NDCT
39	COMMONWEALTH EDISON	QUAD CITIES 1	05000254	BWR	0800	MISSISSIPPI RIVER	ONCE THRU
40	COMMONWEALTH EDISON	QUAD CITIES 2	05000255	BWR	0800	MISSISSIPPI RIVER	ONCE THRU
41	COMMONWEALTH EDISON	ZION 1	05000295	PWR	1050	LAKE MICHIGAN	ONCE THRU
42	COMMONWEALTH EDISON	ZION 2	05000304	PWR	1050	LAKE MICHIGAN	ONCE THRU
43	CONNECTICUT YANKEE ATOMIC POWER	HADDAM NECK	05000213	PWR	0575	CONNECTICUT RIVER	ONCE THRU
44	CONSOLIDATED EDISON	INDIAN POINT 1	05000003	PWR	0245	HUDSON RIVER	ONCE THRU
45	CONSOLIDATED EDISON	INDIAN POINT 2	05000004	PWR	0245	HUDSON RIVER	ONCE THRU
46	CONSOLIDATED EDISON	INDIAN POINT 3	05000005	PWR	0245	HUDSON RIVER	ONCE THRU
47	CONSUMERS POWER	BIG ROCK POINT 1	05000145	BWR	0675	LAKE MICHIGAN	ONCE THRU
48	CONSUMERS POWER	MIDLAND 1	05000176	BWR	0498	TITTABAWASSEE RIVER	CLOSED CYCLE
49	CONSUMERS POWER	MIDLAND 2	05000180	PWR	0808	TITTABAWASSEE RIVER	CLOSED CYCLE
50	CONSUMERS POWER	PALISADES	05000295	PWR	0700	LAKE MICHIGAN	COOLING TOWERS
51	DARYLAND POWER	LA CROSSE	05000408	BWR	0500	MISSISSIPPI RIVER	ONCE THRU
52	DELMARVA POWER & LIGHT CO.	SUMMIT 1	05000430		1200	UNKNOWN	
53	DETROIT EDISON	ERIC FERM 2	05000341	BWR	1095	LAKE ERIE	ONCE THRU
54	DETROIT EDISON	GREENWOOD 2	05000452	PWR	1000	LAKE HURON	CLOSED CYCLE
55	DETROIT EDISON	GREENWOOD 3	05000453	PWR	1000	LAKE HURON	CLOSED CYCLE
56	DUKE POWER	CATAJUNA 1	05000043	PWR	1155	LAKE WYLLIE	NDCT
57	DUKE POWER	CATAJUNA 2	05000044	PWR	1155	LAKE WYLLIE	NDCT
58	DUKE POWER	CHEROKEE 1	05000490	PWR	1080	BROAD RIVER	CLOSED CYCLE
59	DUKE POWER	CHEROKEE 2	05000492	PWR	1080	BROAD RIVER	CLOSED CYCLE
60	DUKE POWER	CHEROKEE 3	05000493	PWR	1080	BROAD RIVER	CLOSED CYCLE
61	DUKE POWER	MCQUIRE 1	05000364	PWR	1180	LAKE NORMAN	ONCE THRU
62	DUKE POWER	MCQUIRE 2	05000378	PWR	1180	LAKE NORMAN	ONCE THRU
63	DUKE POWER	OCONEE 1	05000269	PWR	0871	LAKE KEGWEE	ONCE THRU
64	DUKE POWER	OCONEE 2	05000270	PWR	0871	LAKE KEGWEE	ONCE THRU
65	DUKE POWER	OCONEE 3	05000281	PWR	0871	LAKE KEGWEE	ONCE THRU
66	DUKE POWER	PERKINS 1	05000485	PWR	1080	YADKIN RIVER	CLOSED CYCLE
67	DUKE POWER	PERKINS 2	05000489	PWR	1080	YADKIN RIVER	CLOSED CYCLE
68	DUKE POWER	PERKINS 3	05000491	PWR	1080	YADKIN RIVER	CLOSED CYCLE
69	DUCHENE LIGHT	BEAVER VALLEY 1	05000354	PWR	0452	OHIO RIVER	CC HNDCT
70	DUCHENE LIGHT	BEAVER VALLEY 2	05000412	PWR	0852	OHIO RIVER	NDCT
71	EMPIRE STATE POWER RESOURCES	MID-HUDSON EAST 1	05000200		1300	UNKNOWN	
72	EMPIRE STATE POWER RESOURCES	KING HILL PT. 3	05000200		1300	UNKNOWN	
73	FLORIDA POWER & LIGHT	ST LUCIE 1	05000335	PWR	0907	ATLANTIC OCEAN	ONCE THRU
74	FLORIDA POWER & LIGHT	ST LUCIE 2	05000389	PWR	0870	ATLANTIC OCEAN	ONCE THRU
75	FLORIDA POWER & LIGHT	TURKEY POINT 3	05000250	PWR	0666	BISCAYNE BAY	CLOSED CANEL
76	FLORIDA POWER & LIGHT	TURKEY POINT 4	05000251	PWR	0666	BISCAYNE BAY	CLOSED CANEL
77	FLORIDA POWER CORPORATION	CRYSTAL RIVER 5	05000302	PWR	0625	GULF OF MEXICO	ONCE THRU
78	GEORGIA POWER	HATCH 1	05000321	BWR	0788	ALTAMAHA RIVER	COOLING TOWER
79	GEORGIA POWER	HATCH 2	05000386	BWR	0785	ALTAMAHA RIVER	COOLING TOWER
80	GEORGIA POWER	HATCH 3	05000404	PWR	1113	SAVANNAH RIVER	CCCT
81	GEORGIA POWER	WCDLE 2	05000405	PWR	1113	SAVANNAH RIVER	CCCT
82	GULF STATES UTILITIES	RIVER BEND 1	05000455	BWR	0934	MISSISSIPPI RIVER	NDCT
83	GULF STATES UTILITIES	RIVER BEND 2	05000455	BWR	0934	MISSISSIPPI RIVER	NDCT
84	HOUSTON POWER & LIGHT	ALLENS CREEK 1	05000466	BWR	1150	BRAZOS RIVER	LAKE POND
85	HOUSTON POWER & LIGHT	SOUTH TEXAS 1	05000498	PWR	1250	COLORADO RIVER	CC
86	HOUSTON POWER & LIGHT	SOUTH TEXAS 2	05000499	PWR	1250	COLORADO RIVER	CC
87	ILLINOIS POWER	CLINTON 1	05000461	BWR	0933	SALT CREEK	ONCE THRU
88	ILLINOIS POWER	CLINTON 2	05000462	BWR	0933	SALT CREEK	ONCE THRU
89	INDIANA & MICHIGAN ELECTRIC	CODA 1	05000315	PWR	1040	LAKE MICHIGAN	ONCE THRU
90	INDIANA & MICHIGAN ELECTRIC	CODA 2	05000316	PWR	1040	LAKE MICHIGAN	ONCE THRU
91	IOWA ELECTRIC POWER & LIGHT	DUANE ARNOLD	05000531	BWR	0535	CEDAR RAPIDS RIVER	CC FRICT
92	IOWA ELECTRIC POWER & LIGHT	IOWA 1	05000532	PWR	1200	UNKNOWN	
93	JERSEY CENTRAL POWER & LIGHT	FORKED RIVER	05000343	PWR	1070		ONCE THRU
94	JERSEY CENTRAL POWER & LIGHT	DYSTER CREEK 1	05000219	BWR	0440	BARNEGAT BAY	ONCE THRU
95	KANSAS GAS & ELECTRIC	WOLF CREEK 1	05000482	PWR	1150		COOLING LAKE
96	LONG ISLAND LIGHTING	JAMESPORT 1	05000516	PWR	1150	LONG ISLAND SOUND	ONCE THRU
97	LONG ISLAND LIGHTING	JAMESPORT 2	05000517	PWR	1150	LONG ISLAND SOUND	ONCE THRU
98	LONG ISLAND LIGHTING	SHOREHAM	05000572	BWR	0814	LONG ISLAND SOUND	ONCE THRU
99	LOUISIANA POWER & LIGHT	WATERFORD 3	05000382	PWR	1113	MISSISSIPPI RIVER	ONCE THRU
100	MAINE YANKEE ATOMIC POWER	MAINE YANKEE	05000309	PWR	0700	BACK RIVER	ONCE THRU
101	METROPOLITAN EDISON	THREE MILE ISLAND 1	05000284	PWR	0810	SUSQUEHANNA RIVER	CC HNDCT
102	METROPOLITAN EDISON	THREE MILE ISLAND 2	05000322	PWR	0806	SUSQUEHANNA RIVER	CC HNDCT
103	MISSISSIPPI POWER & LIGHT	GRAND GULF 1	05000416	BWR	1250	MISSISSIPPI RIVER	CC HNDCT
104	MISSISSIPPI POWER & LIGHT	GRAND GULF 2	05000417	BWR	1250	MISSISSIPPI RIVER	CC HNDCT

NOTES:

*First of a multi-unit or a single unit facility

- CC HNDCT = Closed cycle hyperbolic natural draft cooling tower
- CC = Closed cycle
- NDCT = Natural draft cooling tower
- NDCT = Natural draft cooling tower
- VCMDCCT = Variable cycle mechanical draft cooling tower

INDEX TO REACTORS BY UTILITY OWNER

UTILITY	REACTOR	DOCKET TYPE	MWe	COOLING SOURCE	COOLING METHOD
105.	NEBRASKA PUBLIC POWER DISTRICT	COOPER STATION	05000296 BWR	0778 MISSOURI RIVER	ONCE THRU
106.	NEW ENGLAND POWER & LIGHT	NEW ENGLAND 1	05000568 PWR	1194 ATLANTIC OCEAN	ONCE THROUGH
107.	NEW ENGLAND POWER & LIGHT	NEW ENGLAND 2	05000569 PWR	1194 ATLANTIC OCEAN	ONCE THROUGH
108.	NIAGARA MOHAWK POWER	NINE MILE POINT 1	05000220 BWR	0410 LAKE ONTARIO	ONCE THRU
109.	NIAGARA MOHAWK POWER	NINE MILE POINT 2	05000410 BWR	1080 LAKE ONTARIO	ONCE THRU
110.	NORTHEAST NUCLEAR ENERGY	MILLSTONE 1	05000245 BWR	0650 LONG ISLAND SOUND	ONCE THRU
111.	NORTHEAST NUCLEAR ENERGY	MILLSTONE 2	05000336 PWR	0828 LONG ISLAND SOUND	ONCE THRU
112.	NORTHEAST NUCLEAR ENERGY	MILLSTONE 3	05000425 PWR	1156 ATLANTIC BAY	ONCE THRU
113.	NORTHEAST NUCLEAR ENERGY	MONTAQUE 1	05000494 BWR	1150 CONNECTICUT RIVER	CLSD LP CL TWR
114.	NORTHEAST NUCLEAR ENERGY	MONTAQUE 2	05000497 BWR	1150 CONNECTICUT RIVER	CLSD LP CL TWR
115.	NORTHERN INDIANA PUBLIC SERVICE	BALLY 1	05000367 BWR	0645 LAKE MICHIGAN	CC,HNDCI
116.	NORTHERN STATES POWER	MONTICELLO	05000243 BWR	0545 MISSISSIPPI RIVER	VC, MDCT
117.	NORTHERN STATES POWER	PRAIRIE ISLAND 1	05000282 PWR	0530 MISSISSIPPI RIVER	COOLING TOWERS
118.	NORTHERN STATES POWER	PRAIRIE ISLAND 2	05000306 PWR	0530 MISSISSIPPI RIVER	COOLING TOWERS
119.	NORTHERN STATES POWER	TYRONE	05000484 PWR	1150 CHIPPEUA RIVER	COOLING TOWERS
120.	NY STATE ELECTRIC & GAS CO.	NY EAG 1	05000000 PWR	1250 UNKNOWN	
121.	NY STATE ELECTRIC & GAS CO.	NY EAG 2	05000000 PWR	1250 UNKNOWN	
122.	OHIO EDISON CO	ERIE 1	05000581 PWR	1200 LAKE ERIE	
123.	OHIO EDISON CO	ERIE 2	05000289 PWR	0457 MISSOURI RIVER	ONCE THRU
124.	OMAHA PUBLIC POWER DISTRICT	FORT CALHOUN 1	05000275 PWR	1084 PACIFIC OCEAN	ONCE THRU
125.	PACIFIC GAS & ELECTRIC	DIABLO CANYON 1	05000323 PWR	1106 PACIFIC OCEAN	ONCE THRU
126.	PACIFIC GAS & ELECTRIC	DIABLO CANYON 2	05000133 BWR	0065 PACIFIC OCEAN	ONCE THRU
127.	PACIFIC GAS & ELECTRIC	HUMBOLDT BAY	05000156 BWR	1200 UNKNOWN	
128.	PACIFIC GAS & ELECTRIC CO.	STANISLAUS 1	05000264 BWR	1200 UNKNOWN	
129.	PACIFIC GAS & ELECTRIC CO.	STANISLAUS 2	05000387 BWR	1050 SUSQUEHANNA RIVER	CC,HNDCI
130.	PENNSYLVANIA POWER & LIGHT	SUSQUEHANNA 1	05000388 BWR	1050 SUSQUEHANNA RIVER	CC,HNDCI
131.	PENNSYLVANIA POWER & LIGHT	SUSQUEHANNA 2	05000443 PWR	UNKNOWN	
132.	PHILADELPHIA ELECTRIC	FULTON 1	05000442 PWR	UNKNOWN	
133.	PHILADELPHIA ELECTRIC	FULTON 2	05000352 BWR	1065 SCHUYLL RIVER	CC,HNDCI
134.	PHILADELPHIA ELECTRIC	LIMERICK 1	05000353 BWR	1065 SCHUYLL RIVER	CC,HNDCI
135.	PHILADELPHIA ELECTRIC	LIMERICK 2	05000277 BWR	1065 CONOWINGO POND	VC,MDCT
136.	PHILADELPHIA ELECTRIC	PEACH BOTTOM 2	05000278 BWR	1065 CONOWINGO POND	VC,MDCT
137.	PHILADELPHIA ELECTRIC	PEACH BOTTOM 3	05000514 PWR	1260 COLUMBIA RIVER	CLOSED POND
138.	PORTLAND GENERAL ELECTRIC	PEBBLE SPRINGS 1	05000515 PWR	1260 COLUMBIA RIVER	CLOSED POND
139.	PORTLAND GENERAL ELECTRIC	PEBBLE SPRINGS 2	05000344 PWR	1130 COLUMBIA RIVER	COOLING TOWERS
140.	PORTLAND GENERAL ELECTRIC	TROJAN	05000448 BWR	1178 POTOMAC RIVER	CC,HNDCI
141.	POTOMAC ELECTRIC POWER	DOUGLAS POINT 1	05000333 BWR	0821 LAKE ONTARIO	ONCE THRU
142.	POTOMAC ELECTRIC POWER	DOUGLAS POINT 2	05000543 PWR	1151 HUDSON RIVER	HNDCI
143.	POWER AUTHORITY OF STATE OF N.Y.	GREENE COUNTY	05000537 LMFBR	0350 CLINCH RIVER	ONCE THRU
144.	PROJECT MANAGEMENT CORP./IVA	CLINCH RIVER	05000477 PWR	1150 ATLANTIC OCEAN	ONCE THRU
145.	PUBLIC SERVICE GAS & ELECTRIC	ATLANTIC 1	05000478 PWR	1150 ATLANTIC OCEAN	ONCE THRU
146.	PUBLIC SERVICE GAS & ELECTRIC	ATLANTIC 2	05000151 PWR	1150 ATLANTIC OCEAN	ONCE THRU
147.	PUBLIC SERVICE GAS & ELECTRIC	ATLANTIC 3	05000251 PWR	1150 ATLANTIC OCEAN	ONCE THRU
148.	PUBLIC SERVICE GAS & ELECTRIC	ATLANTIC 4	05000254 BWR	1067 DELAWARE RIVER	NDCT
149.	PUBLIC SERVICE GAS & ELECTRIC	HOPE CREEK 1	05000355 BWR	1067 DELAWARE RIVER	NDCT
150.	PUBLIC SERVICE GAS & ELECTRIC	HOPE CREEK 2	05000272 PWR	1090 DELAWARE RIVER	ONCE THRU
151.	PUBLIC SERVICE GAS & ELECTRIC	SALEM 1	05000311 PWR	1119 DELAWARE RIVER	ONCE THRU
152.	PUBLIC SERVICE GAS & ELECTRIC	SALEM 2	05000267 HTGR	0330 SD PLATTE RIVER	CLOSED HELIUM
153.	PUBLIC SERVICE OF COLORADO	FORT ST VRAIN	05000546 PWR	1130 OHIO RIVER	CMDCI
154.	PUBLIC SERVICE OF INDIANA	MARBLE HILL 1	05000547 PWR	1130 OHIO RIVER	CMDCI
155.	PUBLIC SERVICE OF INDIANA	MARBLE HILL 2	05000443 PWR	1200 ATLANTIC OCEAN	ONCE THRU
156.	PUBLIC SERVICE OF NEW HAMPSHIRE	SEABROOK 1	05000444 PWR	1200 ATLANTIC OCEAN	ONCE THRU
157.	PUBLIC SERVICE OF NEW HAMPSHIRE	SEABROOK 2	05000556 BWR	1150 VERIGRIS RIVER	MECH DR CL TWR
158.	PUBLIC SERVICE OF OKLAHOMA	BLACK FOX 1	05000557 BWR	1150 VERIGRIS RIVER	MECH DR CL TWR
159.	PUBLIC SERVICE OF OKLAHOMA	BLACK FOX 2	05000376 PWR	583 ATLANTIC OCEAN	
160.	PUBLIC SERVICE OF OKLAHOMA	NORTH COAST	05000522 BWR	1277 RANNEY COLLECTOR	COOLING TOWERS
161.	PUBLIC SERVICE OF OKLAHOMA	SKAGIT 1	05000523 BWR	1277 RANNEY COLLECTOR	COOLING TOWERS
162.	PUBLIC SERVICE OF OKLAHOMA	SKAGIT 2	05000485 PWR	0490 LAKE ONTARIO	ONCE THRU
163.	ROCHESTER GAS & ELECTRIC	GINNNA	05000312 PWR	0913 FOLSON CANAL	COOLING TOWERS
164.	ROCHESTER GAS & ELECTRIC	STERLING 1	05000536 PWR	1100 FOLSON CANAL	COOLING TOWERS
165.	SACRAMENTO MUN. UTIL. DISTRICT	RANCHO SEC 1	05000395 PWR	0900 MONTICELLO RESERVOIR	ONCE THRU
166.	SACRAMENTO MUN. UTIL. DISTRICT	RANCHO SEC 2	05000206 PWR	0430 PACIFIC OCEAN	ONCE THRU
167.	SOUTH CAROLINA ELECTRIC & GAS	SUMMER 1	05000361 PWR	1140 PACIFIC OCEAN	ONCE THRU
168.	SOUTHERN CALIFORNIA EDISON	SAN ONOFRE 1	05000362 PWR	1140 PACIFIC OCEAN	ONCE THRU
169.	SOUTHERN CALIFORNIA EDISON	SAN ONOFRE 2	05000438 PWR	1213 GUNTERVILLE RES	CC,HNDCI
170.	SOUTHERN CALIFORNIA EDISON	SAN ONOFRE 3	05000439 PWR	1213 GUNTERVILLE RES	CC,HNDCI
171.	TENNESSEE VALLEY AUTHORITY	BELLEFOUNTE 1	05000759 BWR	1067 TENNESSEE RIVER	ONCE THRU
172.	TENNESSEE VALLEY AUTHORITY	BELLEFOUNTE 2	05000640 BWR	1067 TENNESSEE RIVER	ONCE THRU
173.	TENNESSEE VALLEY AUTHORITY	BROWNS FERRY 1	05000596 BWR	1067 TENNESSEE RIVER	ONCE THRU
174.	TENNESSEE VALLEY AUTHORITY	BROWNS FERRY 2	05000518 BWR	1233 COOLING TOWERS	CC,HNDCI
175.	TENNESSEE VALLEY AUTHORITY	BROWNS FERRY 3	05000519 BWR	1233 COOLING TOWERS	CC,HNDCI
176.	TENNESSEE VALLEY AUTHORITY	HARTSVILLE 1	05000520 BWR	1233 COOLING TOWERS	CC,HNDCI
177.	TENNESSEE VALLEY AUTHORITY	HARTSVILLE 2	05000521 BWR	1233 COOLING TOWERS	CC,HNDCI
178.	TENNESSEE VALLEY AUTHORITY	HARTSVILLE 3	05000553 BWR	1233 HOLSTON RIVER	CC,HNDCI
179.	TENNESSEE VALLEY AUTHORITY	HARTSVILLE 4	05000554 BWR	1233 HOLSTON RIVER	CC,HNDCI
180.	TENNESSEE VALLEY AUTHORITY	PHIPPS BEND 1	05000527 PWR	1148 CHICKAMAUGA LAKE	ONCE THRU
181.	TENNESSEE VALLEY AUTHORITY	PHIPPS BEND 2	05000528 PWR	1148 CHICKAMAUGA LAKE	ONCE THRU
182.	TENNESSEE VALLEY AUTHORITY	SEADYAN 1	05000390 PWR	1177 TENNESSEE RIVER	CC,HNDCI
183.	TENNESSEE VALLEY AUTHORITY	SEADYAN 2	05000391 PWR	1177 TENNESSEE RIVER	CC,HNDCI
184.	TENNESSEE VALLEY AUTHORITY	WATTS BAR 1	05000666 PWR	1300 YELLOW CRK EMBAY	MDCT
185.	TENNESSEE VALLEY AUTHORITY	WATTS BAR 2	05000445 PWR	1150 SQUAW CREEK RES	CC ART
186.	TENNESSEE VALLEY AUTHORITY	YELLOW CREEK 1	05000446 PWR	1150 SQUAW CREEK RES	CC ART
187.	TENNESSEE VALLEY AUTHORITY	YELLOW CREEK 2	05000346 PWR	0906 LAKE ERIE	HNDCI
188.	TEXAS UTILITIES GENERATING	COMANCHE PEAK 1	05000500 PWR	0906 LAKE ERIE	NDCT
189.	TEXAS UTILITIES GENERATING	COMANCHE PEAK 2	05000501 PWR	0906 LAKE ERIE	NDCT
190.	TOLEDO EDISON	DAVIS-BESSE 1	05000493 PWR	1120 COOLING POND	
191.	TOLEDO EDISON	DAVIS-BESSE 2	05000494 PWR	1120 COOLING POND	
192.	TOLEDO EDISON	DAVIS-BESSE 3	05000495 PWR	1120 COOLING POND	
193.	UNION ELECTRIC	CALLAWAY 1	05000271 BWR	0514 CONNECTICUT RIVER	CC CT
194.	UNION ELECTRIC	CALLAWAY 2	05000338 PWR	0907 LAKE ANNA	ONCE THRU
195.	VERMONT YANKEE NUCLEAR POWER	NORTH ANNA 1	05000339 PWR	0907 LAKE ANNA	ONCE THRU
196.	VIRGINIA ELECTRIC & POWER	NORTH ANNA 2	05000404 PWR	0907 LAKE ANNA	ONCE THRU
197.	VIRGINIA ELECTRIC & POWER	NORTH ANNA 3	05000405 PWR	0907 LAKE ANNA	ONCE THRU
198.	VIRGINIA ELECTRIC & POWER	NORTH ANNA 4	05000280 PWR	0788 JAMES RIVER	ONCE THRU
199.	VIRGINIA ELECTRIC & POWER	SURRY 1	05000281 PWR	0788 JAMES RIVER	ONCE THRU
200.	VIRGINIA ELECTRIC & POWER CO.	SURRY 2	05000468 PWR	1218 COLUMBIA RIVER	ONCE THRU
201.	WASHINGTON P.P.S.S.	WASHINGTON NUCLEAR 1	05000597 BWR	1183 MECHANICAL TOWERS	COOLING TOWERS
202.	WASHINGTON P.P.S.S.	WASHINGTON NUCLEAR 2	05000598 BWR	1242 CHEHALIS RIVER	NATURAL DRAFT
203.	WASHINGTON P.P.S.S.	WASHINGTON NUCLEAR 3	05000513 PWR	1218 COLUMBIA RIVER	ONCE THRU
204.	WASHINGTON P.P.S.S.	WASHINGTON NUCLEAR 4	05000509 PWR	1242 CHEHALIS RIVER	NATURAL DRAFT
205.	WASHINGTON P.P.S.S.	WASHINGTON NUCLEAR 5	05000502 PWR	0900 UNKNOWN	
206.	WISCONSIN ELECTRIC POWER	HAVER 1	05000305 PWR	0541 LAKE MICHIGAN	ONCE THRU
207.	WISCONSIN PUBLIC SERVICE	KENAUWEE	05000266 PWR	0497 LAKE MICHIGAN	ONCE THRU
208.	WISCONSIN-MICHIGAN ELECTRIC	POINT BEACH 1	05000301 PWR	0497 LAKE MICHIGAN	ONCE THRU
209.	WISCONSIN-MICHIGAN ELECTRIC	POINT BEACH 2	05000302 PWR	0497 LAKE MICHIGAN	ONCE THRU
210.	YANKEE ATOMIC ELECTRIC	YANKEE-ROWE 1	05000029 PWR	0175 DEERFIELD RIVER	ONCE THRU

INDEX TO REACTOR SITES

SITE/ NAME (STATE)	APPLICANT	UNITS PER SITE	L.T.C.	CONST. AUTH.	PLANNED
1. ALLENS CREEK (TEXAS)	HOUSTON LIGHTING & POWER CO	1			1x
2. ARKANSAS (ARKANSAS)	ARKANSAS POWER & LIGHT CO	2			
3. ARNDT (IDA)	IDaho ELECTRIC LIGHT & POWER CO	1			
4. ATLANTIC (N. J. OFF SHORE)	PUBLIC SERVICE ELECTRIC & GAS CO	4			4(2x)
5. BAILLY (INDIANA)	NORTHERN INDIANA PUB. SER. CO.	1		1	
6. BEAVER VALLEY (PENN)	DUQUESNE LIGHT CO	2	1	1	
7. BELLEFONTE (ALA)	TENNESSEE VALLEY AUTHORITY	2		2	
8. BIG ROCK POINT (MICH)	CONSUMERS POWER CO	1	1		
9. BLACK FOX (INDIANA)	PUBLIC SERVICE OF OKLAHOMA	2		2	
10. BRAZDROOD (ILLINOIS)	COMMONWEALTH EDISON CO	2		2	
11. BROOKS FERRY (ALA)	TENNESSEE VALLEY AUTHORITY	3			
12. BRUSHICK (N. C.)	CAROLINA POWER & LIGHT CO	2			
13. BYRON (ILLINOIS)	COMMONWEALTH EDISON CO	2		2	
14. CALLAWAY (MD)	UNION ELECTRIC CO.	2		2	
15. CALVERT CLIFFS (MD)	BALTIMORE GAS & ELECTRIC CO.	2	2		
16. CAROLINA (N. C.)	CAROLINA POWER & LIGHT CO.	2			2
17. CARROLL (ILLINOIS)	COMMONWEALTH EDISON CO.	2			2
18. CATAUNDA (S. C.)	DUKE POWER CO.	2		2	
19. CENTRAL VIRGINIA (VIRGINIA)	AMERICAN ELECTRIC CO.	2			2
20. CHEROKEE (S. C.)	DUKE POWER CO.	3		3	
21. CLINCH RIVER (PENN)	TENNESSEE VALLEY AUTHORITY	2			1x
22. CLIMON (ILLINOIS)	ILLINOIS POWER CO	2			
23. COMANCHE PEAK (TEXAS)	TEXAS UTILITIES GENERATING CO.	2		2	
24. CONN YANKEE (CONN)	CONN YANKEE ATOMIC POWER CO.	1	1		
25. COOK (MICH)	INDIANA & MICHIGAN ELECTRIC CO.	2		2	
26. COOPER (NEB)	NEBRASKA PUBLIC POWER DISTRICT	1	1		
27. CRYSTAL RIVER 3 (FLA)	FLORIDA POWER CORP	1	1		
28. DAVIS BESSIE (OHIO)	TOLEDO EDISON CO.	3		3	
29. DIABLO CANYON (CALIF)	PACIFIC GAS & ELECTRIC CO.	2		2	
30. DOUGLAS POINT (MD)	POTOMAC ELECTRIC POWER CO.	3			1xx
31. DRESDEN (ILLINOIS)	COMMONWEALTH EDISON CO.	3		3	
32. ERIE (OHIO)	OHIO EDISON COMPANY	2			2x
33. FARLEY (ALA)	ALABAMA POWER CO.	2	1	1	
34. FERMI (MICH)	DETROIT EDISON CO.	1		1	
35. FITZPATRICK (N. Y.)	POWER AUTH. OF THE STATE OF N. Y.	1	1		
36. FORDKED RIVER (N. J.)	JERSEY CENTRAL POWER & LIGHT CO.	1		1	
37. FORT CALHOUN (NEB)	OMAHA PUBLIC POWER DISTRICT	1	1		
38. FORT ST. VRAIN (COLO)	PUBLIC SERVICE CO. OF COLO.	1	1		
39. FULTON (PENN)	PHILADELPHIA ELECTRIC CO.	2			2xx
40. GINNA (N. Y.)	ROCHESTER GAS & ELECTRIC CO.	1	1		
41. GRAND GULF (MISS)	MISSISSIPPI POWER & LIGHT CO.	2		2	
42. GREENE COUNTY (N. Y.)	POWER AUTHORITY OF THE STATE OF N. Y.	1			1x
43. GREENWOOD (MICH)	DETROIT EDISON CO.	2			2xx
44. HARRIS (N. C.)	CAROLINA POWER & LIGHT CO.	4		4	
45. HARTSVILLE (TENN)	TENNESSEE VALLEY AUTHORITY	4		4	
46. HATCH (GEORGIA)	GEORGIA POWER CO.	2	2		
47. HAVEN (WISC)	WISCONSIN ELECTRIC POWER	1			1
48. HOPE CREEK (N. J.)	PUBLIC SERVICE ELECTRIC & GAS CO.	2		2	
49. HUMPHOLDT BAY (CALIF)	PACIFIC GAS & ELECTRIC CO.	1	1		
50. INDIAN POINT (N. Y.)	CONSOLIDATED EDISON CO.	3	3		
51. IOWA (IOWA)	IOWA ELECTRIC LIGHT & POWER CO.	1			1
52. JAMESRUPERT (N. Y.)	LONG ISLAND LIGHTING CO.	2			2x
53. KEWAUNEE (WISC)	WISCONSIN PUBLIC SERVICE CORP.	1	1		
54. LACROSSE (WISC)	MARYLAND POWER COOPERATIVE	1	1		
55. LASALLE (ILLINOIS)	COMMONWEALTH EDISON CO.	2		2	
56. LIMERICK (PENN)	PHILADELPHIA ELECTRIC CO.	2		2	
57. MAINE YANKEE (MAINE)	MAINE YANKEE ATOMIC POWER CO.	1	1		
58. MARBLE HILL (INDIANA)	PUBLIC SERVICE COMPANY OF INDIANA	2		2	
59. MCGUIRE (N. C.)	DUKE POWER CO.	2			
60. MID-HUDSON EAST (N. Y.)	EMPIRE STATE POWER RESOURCES	2		2	1
61. MIDLAND (MICH)	CONSUMERS POWER CO.	2		2	
62. MILLSTONE (CONN)	NORTHEAST NUCLEAR ENERGY CO.	3	2	1	
63. MONTAGUE (MASS)	NORTHEAST NUCLEAR ENERGY CO.	2			2x
64. MONTICELLO (MINN)	NORTHERN STATES POWER CO.	1	1		
65. NEW ENGLAND (R. I.)	NEW ENGLAND ELECTRIC CO.	2			2x
66. NINE MILE POINT (N. Y.)	NIAGARA MOHAWK POWER CORP.	3	1	1	
67. NORTH ANNA (VA)	VIRGINIA ELECTRIC & POWER CO.	4	1	3	
68. NORTH COAST (PUERTO RICO)	PUERTO RICO WATER RES. AUTH.	1			1xx
69. NEW YORK (N. Y.)	NY STATE ELECTRIC & GAS CO.	2			2
70. OGDON (S. C.)	DUKE POWER CO.	3	3		
71. OYSTON CREEK (N. J.)	JERSEY CENTRAL POWER & LIGHT CO.	1			
72. PALJADES (MICH)	CONSUMERS POWER CO.	1	1		
73. PALO VERDE (ARIZ)	ARIZONA PUBLIC SERVICE CORP.	5		3	2
74. PEACH BOTTOM (PENN)	PHILADELPHIA ELECTRIC CO.	2	2		
75. PEBBLE SPRINGS (ORE)	PORTLAND GENERAL ELECTRIC CO.	2			2x
76. PERKINS (N. C.)	DUKE POWER CO.	3			3x
77. PERRY (OHIO)	CLEVELAND ELECTRIC ILLUM CO.	2		2	
78. PHIPPS BEND (TENN)	TENNESSEE VALLEY AUTHORITY	2		2	
79. PLOREM (MASS)	BOSTON EDISON CO.	1	1		1x
80. POINT BEACH (WISC)	WISCONSIN MICHIGAN POWER CO.	2		2	
81. POTOMAC ISLAND (MINN)	NORTHERN STATES POWER CO.	2		2	
82. QUAD-CITIES (ILL)	COMMONWEALTH EDISON CO.	2		2	
83. RANCHO SECO (CALIF)	SACRAMENTO MUNICIPAL UTILITY DIST.	2	1		1
84. RIVER BEND (LA)	GULF STATES POWER CORP.	2		2	
85. ROBINSON (S. C.)	CAROLINA POWER & LIGHT CO.	1	1		
86. ST. LUCIE (FLA)	FLORIDA POWER & LIGHT CO.	2	1	1	
87. SALT M. IN. J.)	PUBLIC SERVICE ELECTRIC & GAS CO.	2	1	1	
88. SAN ONOFRE (CALIF)	SOUTHERN CALIFORNIA EDISON	1		1	
89. SEABROOK (N. H.)	PUBLIC SERVICE CO. OF N. H.	2		2	
90. SHODDYAN (TENN)	TENNESSEE VALLEY AUTHORITY	2		2	
91. SHOREHAM (N. Y.)	LONG ISLAND LIGHTING CO.	1			
92. SKADIT (OREGON)	FUGET SOUND POWER & LIGHT	2			2x
93. SO TEXAS (TEXAS)	HOUSTON LIGHTING & POWER CO.	2			
94. STANTISLAUS (CALIF)	PACIFIC GAS & ELECTRIC CO.	2			2
95. STERLING (N. Y.)	ROCHESTER GAS & ELECTRIC CO.	1		1	
96. SUMMER (S. C.)	SOUTH CAROLINA ELECTRIC & GAS CO.	1		1	
97. SUMMIT (DEL)	DELMARVA POWER & LIGHT CO.	1			1
98. SURREY (VA)	VIRGINIA ELECTRIC & POWER CO.	2	2		
99. SUSQUEHANNA (PA)	PENNSYLVANIA POWER & LIGHT CO.	2		2	
100. THREE MILE ISLAND (PA)	METROPOLITAN EDISON CO.	2	2		
101. TROJAN (ORE)	PORTLAND GENERAL ELECTRIC	1			
102. TURKEY POINT (FLA)	FLORIDA POWER & LIGHT CO.	2			
103. TYRONE (WISC)	NORTHERN STATES POWER CO.	1		1	
104. VERMONT YANKEE (VTS)	VERMONT YANKEE NUCLEAR POWER CO.	1	1		
105. VOGTLE (GEORGIA)	GEORGIA POWER CO.	2		2	
106. WPPSS (WASH) SATOP	WASH. PUBLIC POWER SUPPLY SYS.	2		2	
107. WPPSS (WASH) RICH	WASH. PUBLIC POWER SUPPLY SYS.	3		3	
108. WATERFORD (LA)	LOUISIANA POWER & LIGHT CO.	1			
109. WATTS BAR (TENN)	TENNESSEE VALLEY AUTHORITY	2		2	
110. WOLF CREEK (KANSAS)	KANSAS GAS & ELECTRIC CO.	1		1	
111. YANKEE RIVER (MASS)	YANKEE ATOMIC ELECTRIC CO.	1	1		
112. YELLOW CREEK (MISS)	TENNESSEE VALLEY AUTHORITY	2		2	
113. ZIMMER (OHIO)	DETROIT GAS & ELECTRIC CO.	1		1	
114. ZION (ILLINOIS)	COMMONWEALTH EDISON CO.	2		2	

211 70 64 47

INDEX TO REACTOR SITES

SUMMARY

211 REACTOR UNITS TO BE LOCATED ON 114 SITES

1 UNIT SITE -	37
2 UNIT SITE -	61
3 UNIT SITE -	11
4 UNIT SITE -	4
5 UNIT SITE -	1

114

70 LICENSED TO OPERATE ON 48 SITES

1 UNIT SITE -	20
2 UNIT SITE -	19
3 UNIT SITE -	8
4 UNIT SITE -	1

48

94 CONSTRUCTION AUTHORIZED ON 51 SITES (42 OF WHICH ARE NOT INCLUDED IN ABOVE 48) - 90 SITES

1 UNIT SITE -	9
2 UNIT SITE -	32
3 UNIT SITE -	6
4 UNIT SITE -	3
5 UNIT SITE -	1

51

47 PLANNED ON 28 SITES (24 OF WHICH ARE NOT INCLUDED IN ABOVE 90) - TOTAL - 114

2 UNIT SITE -	9
1 UNIT SITE -	15
3 UNIT SITE -	2
4 UNIT SITE -	1
5 UNIT SITE -	1

28

* CP APPLICATIONS UNDER REVIEW
** CP REVIEW SUSPENDED

PLANT DELAYS AND CANCELLATIONS - FY 79

TO DATE IN FISCAL YEAR 1979, ELEVEN UNITS HAVE ANNOUNCED DELAYS IN FUEL LOADING OR CANCELLATION OF PLANS FOR FUTURE FACILITIES. THE FOLLOWING REASONS HAVE BEEN CITED:

PLANT NAME	CONSTRUCTION		FINANCIAL		SLIPPAGE * (MONTHS)	REASON	SOURCE OF INFORMATION
	FLD AT START OF YEAR	CURRENT FLD ESTIMATE	4 UNITS	7 UNITS			
9 UNITS AUTHORIZED CONSTRUCTION							
BEAVER VALLEY 2 (1950)	10-31-81	07-00-83	9	(2)	FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	
DAVIS BESSIE 2 (1906)	10-00-85	10-00-88	36		FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	
DAVIS BESSIE 3 (1906)	10-00-87	10-00-90	30		FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	
NINE MILE POINT 2 (1983)	02-00-83	10-00-84	18		CONSTRUCTION	WALL STREET JOURNAL - 11-18-78	
PERRY 1 (1205)	03-00-81	07-00-82	14		FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	
PERRY 2 (1205)	12-00-82	07-00-84	20		FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	
SOUTH TEXAS 1 (1250)	05-00-80	11-01-81	10		REVIEW OF SCHEDULE	LETTER FROM APPLICANT - 10-30-78	
SOUTH TEXAS 2 (1250)	10-00-81	11-01-82	12		REVIEW OF SCHEDULE	LETTER FROM APPLICANT - 10-30-78	
SUNRISE 1 (1900)	11-30-79	07-01-80	7		REVIEW OF SCHEDULE	LETTER FROM APPLICANT - 10-24-78	
2 UNITS UNDER CP REVIEW							
ERIE 1	00-00-84	04-00-89	36		FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	
ERIE 2	00-00-80	06-00-91	36		FINANCIAL	TOLEDO EDISON NEWS RELEASE - 11-15	

* - PARANTHETICAL NUMBER REPRESENTS THE NUMBER OF FLD CHANGES IN FY 1979.

NUCLEAR STEAM SUPPLY SYSTEM CONTRACTS AWARDED

THE NUMBER INSIDE PARENTHESIS REPRESENTS TOTAL MWe. AND THE NUMBER PRECEDING THE PARENTHESIS REPRESENTS THE NUMBER OF ORDERS PER VENDOR.

YEAR OF ORDER	GE	W	B&W	COMB	GAC	OTHER	TOTAL
THROUGH 1964	5(1590)		1(265)	—	1(40)	8(1145)	20(4327)
1965	3(2131)	3(2029)	—	—	1(330)	—	7(4490)
1966	9(7732)	6(4947)	3(2561)	2(1157)	—	—	20(16397)
1967	7(6225)	13(10814)	5(4365)	5(4118)	—	—	30(25522)
1968	7(6191)	4(4532)	3(2172)	—	—	—	14(12895)
1969	3(2944)	3(3189)	—	1(1070)	—	—	7(7203)
1970	3(2951)	5(4664)	2(2426)	4(4225)	—	—	14(14266)
1971	4(4439)	10(9818)	2(1814)	—	—	—	16(16071)
1972	13(15450)	11(11896)	5(5336)	2(1990)	—	—	31(34672)
1973	8(8677)	13(14596)	3(3072)	11(13554)	—	—	35(39899)
1974	5(6043)	7(7996)	5(5969)	4(4760)	—	—	21(24768)
1975	—	2(1900)	—	—	—	—	2(1900)
1976	—	—	3(3400)	—	—	—	3(3400)
1977	—	—	—	4(2520)	—	—	4(2520)
1978	—	—	—	—	—	—	—
TOTAL	67(64373)	82(77668)	32(31380)	33(33,394)	2(370)	8(1145)	224(208,330)

CONTRACTS CANCELLED DURING CY 1975, 1976 & 1977

(NOT INCLUDED ABOVE)

	GE	W	B&W	COMB	GAC	OTHER	TOTAL
1971	—	—	—	—	4(3860)	—	4(3860)
1972	1(1171)	—	—	—	—	—	1(1171)
1974	5(5718)	—	—	2(2600)	2(2320)	—	9(10638)
1975	—	2(2200)	—	—	—	—	2(2200)

SUMMARY OF STANDARDIZATION APPLICATIONS

DATA AS OF: NOVEMBER 30, 1978

<u>REFERENCE SYSTEMS</u>		25 Applications	
<u>Project</u>	<u>Applicant</u>	<u>Docket Date</u>	<u>Comments</u>
<u>Nuclear Steam Supply System, Nuclear Islands & Turbine Islands</u>			
CESSAR 238 NI	General Electric	07/30/73	Nuclear Island, Preliminary Design
BRAUN SAR	C. F. Braun	12/21/74	Turbine Island matched to GESSAR 238 NI.
CESSAR	Combustion Engineering	12/19/73	NSSS.
RESAR 41	Westinghouse	03/11/74	NSSS.
B-SAR 241	Babcock & Wilcox	05/14/74	NSSS (Withdrawn).
B-SAR 205	Babcock & Wilcox	03/01/76	NSSS (replaces B-SAR 241).
GASSAR	General Atomic	02/05/75	NSSS
GESSAR 251	General Electric	02/14/75	NSSS.
RESAR 3S	Westinghouse	07/31/75	NSSS.
GESSAR 238 NSSS	General Electric	10/16/75	NSSS.
RESAR 414	Westinghouse	12/30/76	NSSS.
CESSAR	Combustion Engineering		FDA Application Under Acceptance Review
<u>Standard balance-of-plant (BOP)</u>			
ESSAR:	EBASCO		
CESSAR		02/02/78	BOP design matched to CESSAR.
RESAR 414		03/13/78	BOP design matched to RESAR 414.
B-SAR 205		05/19/78	BOP design matched to B-SAR 205.
SWESSAR:	Stone & Webster		
RESAR 41		06/28/74	BOP design matched to RESAR 41.
CESSAR		10/21/74	BOP matched to CESSAR.
RESAR 3S		10/02/75	BOP matched to RESAR 3S.
B-SAR 205		12/22/75	BOP matched to B-SAR 205.
GIBBSAR/ RESAR 414	Gibbs & Hill	05/09/77	BOP matched to RESAR 414.
BOP SSAR:	Fluor Power *		
RESAR 41		01/27/76	BOP Matched to RESAR 41
B-SAR 205		10/31/77	BOP Matched to B-SAR 205
GAISSAR	Gilbert/Commonwealth	08/21/78	BOP Matched CESSAR, RESAR 414, B-SAR 205

UTILITY APPLICATIONS USING REFERENCE SYSTEMS 11 Applications

<u>Project</u>	<u>Applicant</u>	<u>Docket Date</u>	<u>Comments</u>
Cherokee 1,3	Duke Power	05/24/74	References CESSAR.
Perkins 1,3	Duke Power	05/24/74	References CESSAR.
South Texas 1 & 2	Houston Light & Power	07/05/74	References RESAR 41.
WPPSS 3 & 5	Washington Public Power Supply System	08/02/74	References CESSAR.
Palo Verde 1,3	Arizona Public Service	10/07/74	References CESSAR.
Hartsville 1,4	Tennessee Valley Authority	11/22/74	References GESSAR 238 (NI).
Black Fox 1 & 2	Public Service of Oklahoma	12/23/75	References GESSAR 238 (NSSS).
Phipps Bend 1 & 2	Tennessee Valley Authority	11/07/75	References GESSAR 238 (NI).
Yellow Creek 1 & 2	Tennessee Valley Authority	07/16/76	References CESSAR.
Erie 1 & 2	Ohio Edison	03/01/77	References B-SAR 205.
Palo Verde 4 & 5	Arizona Public Service	03/31/78	References CESSAR
New Haven 1 & 2	NYSE & G		References CESSAR & SWESSAR/CESSAR

SUMMARY OF STANDARDIZATION APPLICATIONS

Continued From Previous Page

DUPLICATE PLANTS 8 Applications

<u>Project</u>	<u>Applicant</u>	<u>Docket Date</u>	<u>Comments</u>
Byron 1 & 2 Braidwood 1 & 2 SNUPPS	Commonwealth Edison	09/20/73	Two units at each of two sites. Five units at four sites.
Wolf Creek	Kansas Gas & Electric and Kansas City Power & Light	05/17/74	
Callaway 1 & 2	Union Electric	06/21/74	
Tyrone 1	Northern States Power	06/21/74	
Sterling	Rochester Gas & Electric	06/21/74	
Cherokee 1-3 Perkins 1-3	Duke Power Co.	05/24/74	Three units at each of two sites.

Duplicate plants are plants of the same design with the possibilities of multiple sites and multiple applications.

REPLICATION 5 Applications

<u>Project</u>	<u>Applicant</u>	<u>Docket Date</u>	<u>Comments</u>
Jamesport 1 & 2	Long Island Lighting	09/06/74	Replicates Millstone 3.
Marble Hill 1 & 2	Public Service of Indiana	09/17/75	Replicates Byron 1 & 2
New England 1 & 2	New England Power & Light	09/09/76	Replicates Seabrook 1 & 2
Haven 1 & 2	Wisconsin Electric Power	04-05-78*	Replicates Koshkonong 1 & 2
Palo Verde 4 & 5	Arizona Public Service	03/31/78	Replicates Palo Verde 1, 2, & 3

*Qualification Review complication.

Replication is the duplication of a plant with a prior approved, by the NRC staff, preliminary design.

LICENSE TO MANUFACTURE FLOATING NUCLEAR PLANTS 1 Application

<u>Project</u>	<u>Applicant</u>	<u>Docket Date</u>	<u>Comments</u>
Floating Nuclear Plant (FNP) 1-8	Offshore Power Systems	07/05/73	Entire plant design.

FLOATING NUCLEAR PLANTS 1 Application

<u>Project</u>	<u>Applicant</u>	<u>Docket Date</u>	<u>Comments</u>
Atlantic 1 & 2	Public Service Electric & Gas	03/01/74	References FNP.

REGIONAL STATUS OF NUCLEAR POWER REACTORS

STATUS OF NUCLEAR POWER REACTORS

REGION 1	REGION 2	REGION 3	REGION 4	REGION 5	TOTAL	
20	9	8	3	5	45	REACTORS PLANNED OR ANNOUNCED
15	35	27	10	11	78	REACTORS AUTHORIZED TO CONSTRUCT
22	20	20	5	4	71	REACTORS LICENSED TO OPERATE
57	63	55	18	20	213	

* 4 UNITS WITH AN LWR ARE INCLUDED IN THE CONSTRUCTION CATEGORY.

STAGES OF REACTOR CONSTRUCTION - FIVE REGIONS

REGION	ACT TO 24%	25% TO 40%	40% TO 64%	64% TO 88%	TOTAL
1	4	10	4	5	23
2	22	2	4	3	31
3	5	7	2	5	19
4	7	1	2	0	10
5	9	0	0	2	11
TOTAL	57	20	12	15	104

* 3 UNITS WITH AN LWR ARE INCLUDED IN THE 0 TO 24% COMPLETE CATEGORY.

FUEL LOAD SLIPPAGES

DURING THE PERIOD FROM 04-01-76 TO 04-30-76, 14 PLANTS WERE AUTHORIZED TO ENGAGE IN CONSTRUCTION ACTIVITIES IN REGIONS 1 THRU 5. OF THESE 14 PLANTS, 6 WERE AUTHORIZED TO PROCEED UNDER LIMITED WORK AUTHORIZATION PERMITS.

DURING THE PERIOD FROM 04-01-76 TO 04-30-76, THE FOLLOWING LICENSING ACTIONS WERE AUTHORIZED:

NOTE

THE FOLLOWING PLANTS REVISITED CHANGES IN THEIR ESTIMATED FUEL LOADING DATES DURING THE ABOVE REPORTING PERIOD:

PLANT NAME	F.L.D. LAST MONTH	F.L.D. THIS MONTH	SLIP/SAVE (MONTHS)
BEAVER VALLEY 2	01-30-81	03-31-82	10.00 MONTHS
BRIDGE CREEK 2	02-01-80	04-01-80	2.00 MONTHS
SEABOARD 3	06-01-79	11-01-79	5.00 MONTHS
ST. LOUIS 2	02-11-82	04-01-82	1.80 MONTHS
WATERFORD 3	11-00-80	04-01-81	5.00 MONTHS
		AVERAGE *	5.43 MONTHS

*BASED ON A PARTICIPATION IN A REACTOR UNIT RECONSTRUCTION.

SECTION II - OPERATING NUCLEAR POWER PLANTS

OPERATING LICENSES ISSUED

PLANT	ICI (WAT)	INITIAL LICENSE	SIGNIFICANT POWER LICENSE	ELAPSED MONTHS TO INITIAL LICENSE	ELAPSED MONTHS TO SIGNIFICANT POWER LICENSE	LICENSE NUMBER
1. DRESDEN 1	C 1-5	09-28-59	06-02-60	15.6	21.7	DPR-2
2. YANKEE-ROWE 1	C 54	07-09-60	07-29-60	9.7	12.4	DPR-3
3. HALLAM*	04 5-61	01-02-62	08-09-62	8.5	15.7	DPR-1
4. INDIAN POINT 1		01-30-60	03-26-62	25.8	25.8	DPR-5
5. PIQUA*		02-01-61	08-23-62	18.7	17.5	DPR-4
6. HUMBOLDT BAY		09-05-61	08-28-62	11.7	11.7	DPR-7
7. BIG ROCK POINT 1		12-04-61	08-30-62	8.9	8.8	DPR-6
8. ELK RIVER*		07-08-60	11-06-62	27.9	18.0	DPR-3
9. CVTR*		01-24-62	11-27-62	10.1	10.1	DPR-8
10. ENRICH FERMI 1**		07-14-61	05-10-63	21.8	23.9	DPR-9
11. PATHFINDER*		06-22-62	03-12-64	20.6	20.6	DPR-11
12. BONUS*		02-01-62	04-02-64	26.0	26.0	DPR-4
13. PEACH BOTTOM 1**		02-25-64	01-24-66	22.9	34.5	DPR-12
14. SAN ONOFRE 1		11-30-65	03-27-67	15.9	15.9	DPR-13
15. HADDAM NECK		07-22-66	06-30-67	11.2	11.2	DPR-61
16. LA CROSSE		08-03-65	07-03-67	23.0	23.0	DPR-45
17. OYSTER CREEK 1		01-25-67	04-09-69	26.4	30.2	DPR-16
18. NINE MILE POINT 1		06-01-67	08-22-69	26.7	26.7	DPR-63
19. GINNA		01-24-68	09-19-69	19.8	19.8	DPR-18
20. DRESDEN 2		11-17-67	12-22-69	25.1	25.1	DPR-19
21. ROBINSON 2		11-26-68	07-31-70	20.1	21.9	DPR-23
22. MONTICELLO		11-08-68	09-08-70	22.0	26.3	DPR-22
23. POINT BEACH 1		03-18-69	10-05-70	18.5	18.5	DPR-24
24. MILLSTONE 1		03-18-68	10-06-70	30.6	31.2	DPR-21
25. DRESDEN 3		11-17-67	01-12-71	37.8	39.5	DPR-25
26. PALISADES		11-05-68	03-24-71	28.6	47.3	DPR-20
27. QUAD CITIES 1		09-03-68	10-01-71	36.9	51.3	DPR-29
28. INDIAN POINT 2		10-15-68	10-19-71	36.1	59.4	DPR-26
29. POINT BEACH 2		03-18-69	11-16-71	31.9	47.6	DPR-27
30. VERMONT YANKEE 1		01-05-70	03-21-72	26.5	37.7	DPR-28
31. QUAD CITIES 2		09-03-68	03-31-72	42.9	51.3	DPR-30
32. SURRY 1		01-21-71	05-25-72	16.1	16.1	DPR-32
33. PILGRIM 1		01-05-70	06-08-72	29.1	32.3	DPR-35
34. TURKEY POINT 3		05-12-69	07-19-72	38.2	38.2	DPR-31
35. MAINE YANKEE		08-31-70	09-15-72	24.4	33.9	DPR-36
36. SURRY 2		01-20-70	01-29-73	36.3	36.3	DPR-37
37. OCONEE 1		06-02-69	02-06-73	44.1	44.1	DPR-38
38. ZION 1		11-25-70	04-06-73	28.3	34.8	DPR-39
39. TURKEY POINT 4		05-12-69	04-10-73	46.9	46.9	DPR-41
40. FORT CALHOUN 1		11-28-69	05-23-73	41.8	44.3	DPR-40
41. BROWNS FERRY 1		09-25-70	06-26-73	33.0	38.8	DPR-33
42. PEACH BOTTOM 2		08-31-70	08-08-73	35.2	39.4	DPR-44
43. PRAIRIE ISLAND 1		02-01-71	08-09-73	30.2	38.1	DPR-42
44. OCONEE 2		06-02-69	10-06-73	52.1	52.1	DPR-47
45. ZION 2		11-25-70	11-14-73	35.6	35.6	DPR-48
46. FORT ST VRAIN		11-07-69	12-21-73	49.4	49.4	DPR-34
47. KEWAUNEE		01-30-71	12-21-73	34.7	34.7	DPR-43
48. COOPER STATION		03-01-71	01-18-74	34.5	34.5	DPR-46
49. DUANE ARNOLD		05-09-72	02-22-74	21.4	21.4	DPR-49
50. THREE MILE ISLAND 1		03-02-70	04-19-74	49.5	51.7	DPR-50
51. ARKANSAS 1		04-26-71	05-21-74	36.8	36.8	DPR-51
52. BROWNS FERRY 2		09-25-70	06-28-74	45.1	46.2	DPR-52
53. PEACH BOTTOM 3		08-31-70	07-02-74	46.0	46.0	DPR-56
54. OCONEE 3		06-02-69	07-19-74	61.5	61.5	DPR-55
55. CALVERT CLIFFS 1		01-04-71	07-31-74	42.9	42.9	DPR-53
56. HATCH 1		03-22-71	08-06-74	40.4	42.7	DPR-57
57. RANCHO SECO 1		04-29-71	08-16-74	39.5	39.5	DPR-54
58. FITZPATRICK		06-04-71	10-17-74	40.4	40.4	DPR-59
59. COOK 1		02-02-71	10-25-74	44.7	44.7	DPR-58
60. PRAIRIE ISLAND 2		02-01-71	10-29-74	44.9	44.9	DPR-60
61. BRUNSWICK 2		10-03-72	12-27-74	26.8	26.8	DPR-62
62. MILLSTONE 2		08-14-72	08-01-75	35.5	37.5	DPR-65
63. TROJAN		02-09-73	11-21-75	33.4	33.4	NPF-1
64. INDIAN POINT 3		12-04-70	12-12-75	60.2	64.0	DPR-64
65. BEAVER VALLEY 1		10-18-72	01-30-76	39.4	44.4	DPR-66
66. ST LUCIE 1		03-05-73	03-01-76	35.8	35.8	DPR-67
67. BROWNS FERRY 3		09-25-70	07-02-76	69.2	70.7	DPR-68
68. CALVERT CLIFFS 2		01-04-71	08-13-76	67.3	70.8	DPR-69
69. SALEM 1		08-25-71	08-13-76	59.6	63.2	DPR-70
70. BRUNSWICK 1		10-03-72	09-08-76	47.1	49.3	DPR-71
71. CRYSTAL RIVER 3		02-08-71	12-03-76	67.8	71.6	DPR-72
72. DAVIS-BESSE 1		03-31-73	04-22-77	48.7	48.7	NPF-3
73. FARLEY 1		08-30-73	06-25-77	45.8	45.8	NPF-2
74. NORTH ANNA 1		05-02-73	11-26-77	54.8	58	NPF-4
75. COOK 2		02-02-71	12-23-77	82.7	82.7	DPR-74
76. THREE MILE ISLAND 2		04-04-74	02-08-78	46.1	46.1	DPR-73
77. HATCH 2		10-31-75	06-13-78	31.5	31.5	NPF-5
78. ARKANSAS 2		04-17-74	07-18-78	51.0	53.0	NPF-6

★ Over 50% of rated power

LICENSED TO OPERATE 70
 *LICENSES TERMINATED 6
 **PERMANENTLY SHUTDOWN 2

NOVEMBER 31, 1978

78 PLANTS

HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS

DATA FOR THE MONTH OF **OCTOBER 1978**

ACTUAL VS. POTENTIAL ENERGY PRODUCTION

POTENTIAL POWER PRODUCTION # THIS PERIOD BY UNITS IN COMMERCIAL OPERATION (Using Maximum Dependable Capacity Net)	35,017,980 MWh	
		% OF POTENTIAL PRODUCTION
ENERGY ACTUALLY PRODUCED DURING THIS REPORT PERIOD *	23,734,231 MWh	67.8
ENERGY NOT PRODUCED DURING THIS REPORT PERIOD DUE TO SCHEDULED OUTAGES	3,311,070 MWh	9.5
ENERGY NOT PRODUCED DURING THIS REPORT PERIOD DUE TO FORCED OUTAGES	1,962,277 MWh	5.6
ENERGY NOT PRODUCED DURING THIS REPORT PERIOD ¹ FOR OTHER REASONS	6,011,175 MWh	17.1
ENERGY NOT PRODUCED THIS REPORT PERIOD DUE TO NRC RESTRICTIONS	1,025,296 MWh	2.9
NUMBER OF UNITS WITH POWER RESTRICTIONS IMPOSED BY NRC	1	

SHUTDOWNS GREATER THAN 72 HOURS EACH

UNIT NAME	REASON	UNIT NAME	REASON
BEAVER VALLEY 1	A	OCONEE 1	C,B
BIG ROCK POINT 1	A	OYSTER CREEK 1	C
BROWNS FERRY 3	C	PALISADES	2A
CALVERT CLIFFS 2	C	PEACH BOTTOM 2	C
DAVIS-BESSE 1	A	PILGRIM 1	H
DUANE ARNOLD	A	POINT BEACH 1	C
FARLEY 1	B	SALEM 1	2A
FITZPATRICK	C	SAN ONOFRE 1	C
FORT CALHOUN 1	C	ST. LUCIE 1	B
HUMBOLDT BAY	H	SURRY 2	D
INDIAN POINT 2	B	TROJAN	D
LACROSSE	B	VERMONT YANKEE 1	C,H
MONTICELLO	C	YANKEE-ROWE 1	C
NINE MILE POINT 1	A	ZION 1	C

DERATED UNITS

PAGE	UNIT NAME	MAXIMUM DEPENDABLE CAPACITY (MWe NET)	POWER LIMIT (MWe NET)
B-3	BIG ROCK POINT 1	63	63
B-7	BROWNS FERRY 1	1085	564
C-5	CALVERT CLIFFS 2	810	376
10-3	DRESDEN 1	187	136
L-3	LACROSSE	48	48
N-5	NINE MILE POINT 1	610	550

¹ Restricted by NRC

REASONS FOR SHUTDOWN

REASON	NUMBER	TOTAL HOURS LOST
A - Equipment Failure	36	4,010.8
B - Maintenance or Test	13	976.0
C - Refueling	15	7,160.5
D - NRC Restriction	3	980.4
E - Operator Training and License Examination	0	0
F - Administrative	0	0
G - Operational Error	2	5.6
H - Multi	12	1,528.7
TOTAL	81	14,662.0

HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS

DATA FOR THE MONTH OF **OCTOBER 1978**

LICENSED POWER REACTORS:

NUMBER		CAPACITY ¹ MW (Net)
65	IN COMMERCIAL OPERATION	47,004
3	IN POWER ASCENSION PHASE	2,000
2	UNAVAILABLE FOR POWER PRODUCTION ²	0
<u>70</u>	TOTAL ³	<u>49,004</u>

POWER GENERATION

	REPORT MONTH	PREVIOUS MONTH	YEAR TO DATE
1. GROSS ELECTRICAL (MMWE)	23,734,231	23,230,727	232,825,244
2. NET ELECTRICAL (MMWE)	22,805,524	22,102,894	221,746,521
3. AVG. UNIT SERVICE FACTOR (%)	89.5	72.8	74.3
4. AVERAGE UNIT AVAILABILITY FACTOR (%)	89.5	72.8	74.4
5. AVERAGE UNIT CAPACITY FACTOR (MOC) (%)	82.8	65.1	66.7
6. AVG. UNIT CAPACITY FACTOR (DER) (%)	85.9	63.4	64.5
7. FORCED OUTAGE RATE (%)	11.5	10.4	8.2

NOTES

- ¹Based upon maximum dependable capacity; design capacity used if MOC not determined
- ²Indian Point 1 shut down - Arkansas - 2, Fuel Load License Only
- ³Each Section 1 not included, being decommissioned
- ⁴Includes energy production not needed by specific utilities
- ⁵Down time x licensed power (MW) x capacity factor for report month x restrictions if any

OUTAGE DATA

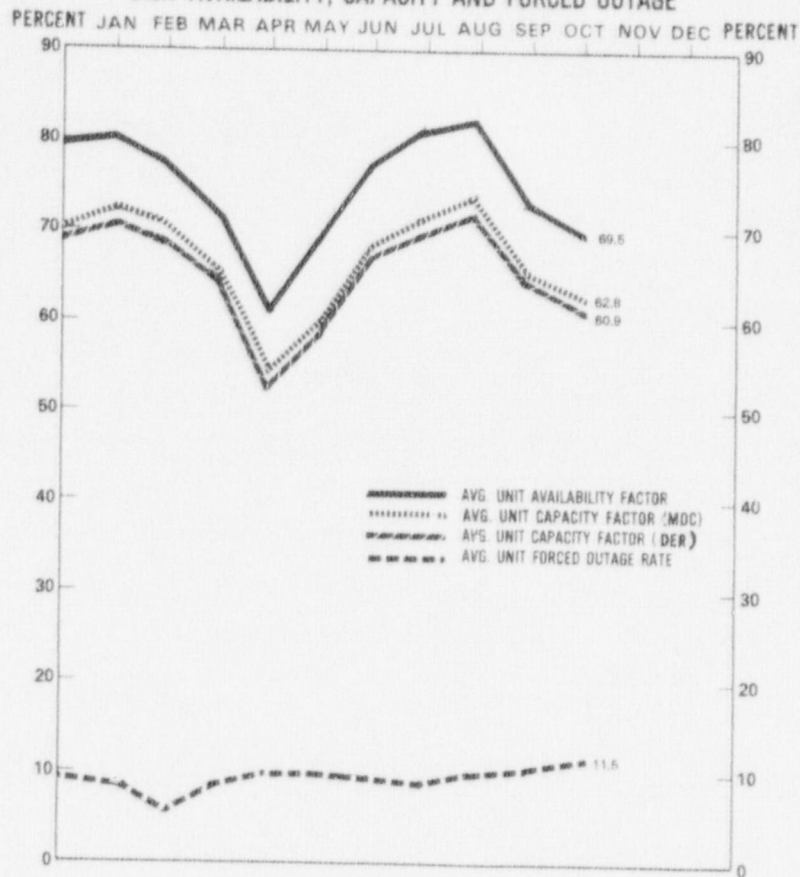
	NUMBER	HOURS	PERCENT OF CLOCK TIME	MMWE LOST PRODUCTION ⁵
1. FORCED OUTAGES DURING MONTH	45	4,811.7	10.1	1,862,277
2. SCHEDULED OUTAGES DURING THE MONTH	36	8,750.3	20.1	3,211,076
3. TOTAL	81	14,562.0	30.3	5,273,347

Capacity factor of 0.75 was assumed for units that did not operate at all during the period.

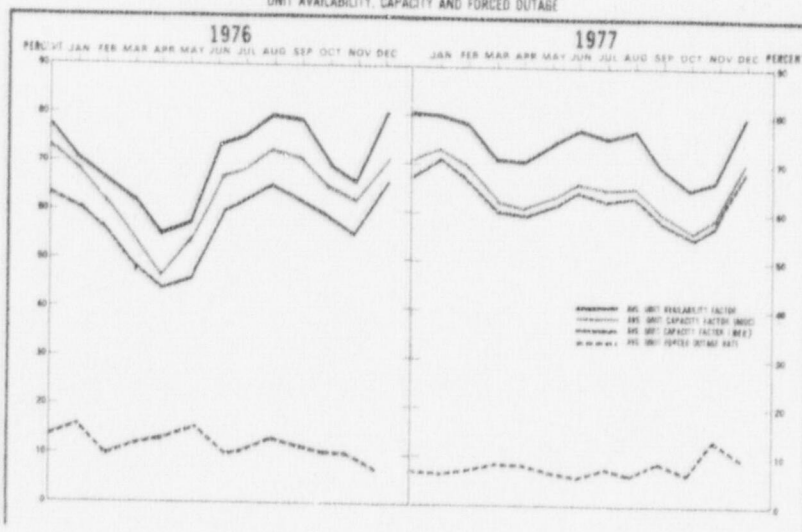
HIGHLIGHTS OF COMMERCIAL NUCLEAR POWER UNITS

UNIT AVAILABILITY, CAPACITY AND FORCED OUTAGE

CALANDAR YEAR 1978



UNIT AVAILABILITY, CAPACITY AND FORCED OUTAGE



THESE CHARTS PLOT THE AVERAGE UNIT AVAILABILITY, AVERAGE UNIT CAPACITY (MDC) AND (MWe), AND AVERAGE UNIT FORCED OUTAGE FOR ALL COMMERCIAL NUCLEAR POWER UNITS IN OPERATION.

**SECTION III - REACTORS UNDER CONSTRUCTION
(CP GRANTED)**

CONSTRUCTION PERMITS ISSUED

DOCKET NUMBER	FACILITY NAME	DOCKET DATE	CP ISSUED	ELAPSED MONTHS	CONSTRUCTION PERMIT NUMBER
050-00010	1. DRESDEN 1 (0209)	04/01/56C	05/04/56C	13.1	CPRR-2
050-00003	2. INDIAN POINT 1 (0265)	04/02/55C	05/04/56C	13.0	CPRR-1
050-00016	3. ENRICO FERMI 1 (0761)	01/07/56C	08/04/56C	6.9	CPRR-4
050-00029	4. YANKEE-ROWE 1 (0175)	07/09/56C	11/04/57C	15.8	CPRR-5
115-00001	5. ELK RIVER (0022)	03/15/59C	01/09/60C	5.8	CAPR-1
115-00002	6. PICUA (0011)	04/13/59C	01/28/60C	9.5	CAPR-2
050-00144	7. CVTR (0017)	07/09/59C	05/04/60C	9.8	CPRR-7
050-00130	8. PATHFINDER (0058)	04/01/59C	05/12/60C	13.3	CPRR-8
050-00155	9. BIG ROCK POINT 1 (0079)	01/18/60C	05/31/60C	4.4	CPRR-9
115-00003	10. HALLAM (0075)	02/15/59C	06/28/60C	16.4	CAPR-3
115-00004	11. BONUS (0017)	12/15/59C	07/19/60C	7.1	CAPR-4
050-00133	12. HUMBOLDT BAY (0065)	04/30/59C	11/09/60C	18.3	CPRR-10
050-00171	13. PEACH BOTTOM 1 (0040)	07/25/60C	02/23/62C	18.9	CPRR-12
050-00409	14. LA CROSSE (0050)	11/05/62C	03/29/63C	4.8	CAPR-5
050-00206	15. SAN UNOFRE 1 (0440)	02/04/63C	03/02/64C	12.9	CPRR-13
050-00213	16. HADDAM NECK (0575)	09/09/63C	05/26/64C	8.5	CPRR-14
050-00219	17. OYSTER CREEK 1 (0540)	03/30/63C	12/15/64C	8.5	CPRR-15
050-00220	18. NINE MILE POINT 1 (0610)	04/01/64C	04/12/65C	12.3	CPRR-16
050-00227	19. DRESDEN 2 (0809)	04/15/65C	01/10/66C	8.8	CPRR-18
050-00244	20. GINNA (0490)	11/01/65C	04/25/66C	5.8	CPRR-19
050-00245	21. MILLSTONE 1 (0652)	11/15/65C	05/19/66C	6.1	CPRR-20
050-00247	22. INDIAN POINT 2 (0878)	12/06/65C	10/14/66C	10.2	CPRR-21
050-00249	23. DRESDEN 3 (0809)	02/10/66C	10/14/66C	8.1	CPRR-22
050-00254	24. QUAD CITIES 1 & 2 (0800)	05/31/66C	02/15/67C	8.4	CPRR-23&24
050-00255	25. PALISADES (0700)	06/03/66C	03/14/67C	9.3	CPRR-25
050-00261	26. ROBINSON 2 (0700)	07/25/66C	04/13/67C	8.6	CPRR-26
050-00250	27. TURKEY POINT 3 & 4 (0666)	03/28/66C	04/27/67C	12.9	CPRR-27&28
050-00299	28. BROWNS FERRY 1 & 2 (1067)	07/13/66C	05/10/67C	9.9	CPRR-29&30
050-00263	29. MONTICELLO (0945)	08/08/66C	06/19/67C	10.3	CPRR-31
050-00266	30. POINT BEACH 1 (0497)	08/31/66C	07/19/67C	10.6	CPRR-32
050-00260	31. UGONEE 1, 2 & 3 (0871)	12/01/66C	11/06/67C	11.1	CPRR-33, 34&35
050-00271	32. VERMONT YANKEE 1 (0914)	12/02/66C	12/11/67C	12.3	CPRR-36
050-00277	33. PEACH BOTTOM 2 & 3 (1065)	02/13/67C	01/31/68C	11.6	CPRR-37&38
050-00275	34. DIABLO CANYON 1 (1084)	01/18/67C	04/23/68C	15.1	CPRR-39
050-00289	35. THREE MILE ISLAND 1 (0819)	05/03/67C	05/18/68C	12.5	CPRR-40
050-00298	36. COOPER STATION (0778)	07/27/67C	06/04/68C	10.2	CPRR-42
050-00285	37. FORT CALHOUN 1 (0457)	04/18/67C	06/07/68C	13.6	CPRR-41
050-00280	38. SURRY 1 & 2 (0788)	03/20/67C	06/25/68C	15.1	CPRR-43&44
050-00282	39. PRAIRIE ISLAND 1 & 2 (0530)	04/07/67C	06/25/68C	14.6	CPRR-45&46
050-00301	40. POINT BEACH 2 (0497)	08/03/67C	07/25/68C	11.7	CPRR-47
050-00296	41. BROWNS FERRY 3 (1067)	07/17/67C	07/31/68C	12.4	CPRR-48
050-00305	42. KOKAUMPE (0541)	08/23/67C	08/06/68C	11.4	CPRR-50
050-00293	43. PILGRIM 1 (0670)	06/30/67C	08/26/68C	13.8	CPRR-49
050-00267	44. FORT ST VRAIN (0330)	10/20/66C	09/17/68C	22.9	CPRR-54
050-00272	45. SALEM 1 & 2 (1090)	12/13/66C	09/25/68C	21.4	CPRR-52&53
050-00302	46. CRYSTAL RIVER 3 (0825)	08/10/67C	09/25/68C	13.5	CPRR-51
050-00312	47. RANCHO SEC0 1 (0913)	11/20/67C	10/11/68C	10.7	CPRR-56
050-00309	48. MAINE YANKEE (0790)	09/27/67C	10/21/68C	12.8	CPRR-55
050-00313	49. ARKANSAS 1 (0850)	11/29/67C	12/06/68C	12.2	CPRR-57
050-00295	50. ZION 1 & 2 (1050)	07/12/67C	12/26/68C	17.4	CPRR-58&59
050-00315	51. COOK 1 & 2 (1060)	12/20/67C	03/25/69C	15.1	CPRR-60&61
050-00317	52. CALVERT CLIFFS 1 & 2 (0845)	01/25/68C	07/07/69C	17.4	CPRR-63&64
050-00286	53. INDIAN POINT 3 (0765)	04/26/67C	08/13/68C	27.5	CPRR-62
050-00321	54. HATCH 1 (0785)	05/06/68C	09/30/69C	16.8	CPRR-65
050-00320	55. THREE MILE ISLAND 2 (0906)	04/29/68C	11/04/69C	18.1	CPRR-66
050-00324	56. BRUNSWICK 1 & 2 (0821)	07/31/68C	02/07/70C	18.2	CPRR-67&68
050-00333	57. FITZPATRICK (0821)	12/31/68C	05/20/70C	16.6	CPRR-71
050-00327	58. SEQUOYAH 1 & 2 (1148)	10/15/68C	05/27/70C	19.4	CPRR-72&73
050-00331	59. DUANE ARNOLD (0535)	11/04/68C	06/22/70C	19.6	CPRR-70
050-00334	60. BEAVER VALLEY 1 (0852)	01/15/69C	06/26/70C	17.3	CPRR-75
050-00335	61. ST LUCIE 1 (0810)	01/29/69C	07/01/70C	17.0	CPRR-74
050-00323	62. DIABLO CANYON 2 (1106)	07/01/68C	12/09/70C	29.2	CPRR-69
050-00336	63. MILLSTONE 2 (0828)	02/28/69C	12/11/70C	21.4	CPRR-76
050-00344	64. TROJAN (1130)	06/25/69C	02/08/71C	19.4	CPRR-79
050-00338	65. NORTH ANNA 1 & 2 (0898)	03/21/69C	02/19/71C	22.9	CPRR-77&78
050-00346	66. DAVIS-BESSE 1 (0906)	08/01/69C	03/24/71C	19.7	CPRR-80
050-00348	67. FARLEY 1 & 2 (0829)	10/15/69C	08/16/72C	34.0	CPRR-85&86
050-00341	68. ENRICO FERMI 2 (1093)	04/29/69C	09/27/72C	40.9	CPRR-87
050-00358	69. ZIMMER 1 (0810)	04/06/70C	10/27/72C	30.7	CPRR-88
050-00368	70. ARKANSAS 2 (0912)	09/17/70C	12/06/72C	26.6	CPRR-89

(continued on next page)

CONSTRUCTION PERMITS ISSUED

DOCKET NUMBER	FACILITY NAME	DOCKET DATE	CP ISSUED	ELAPSED MONTHS	CONSTRUCTION PERMIT NUMBER
050-00329	71. MIDLAND 1 & 2 (0458)	10/30/78C	12/15/72C	49.5	CPRR-81582
050-00366	72. HATCH 2 (0795)	09/11/70C	12/27/72C	27.5	CPRR-90
050-00390	73. WATTS BAR 1 & 2 (1177)	05/18/71C	01/23/73C	20.1	CPRR-91692
050-00369	74. MCGUIRE 1 & 2 (1180)	09/18/70C	02/23/73C	29.1	CPRR-83694
050-00397	75. WASHINGTON NUCLEAR 2 (1103)	08/19/71C	03/19/73C	19.0	CPR-93
050-00395	76. SUMMER 1 (0900)	06/30/71C	03/21/73C	20.7	CPRR-94
050-00322	77. SHOREHAM (0819)	05/15/68C	04/14/73C	58.9	CPRR-95
050-00363	78. FORKED RIVER (1070)	06/01/70C	07/10/73C	37.3	CPRR-96
050-00373	79. LASALLE 1 & 2 (1078)	11/03/70C	09/10/73C	34.2	CPRR-99E100
050-00361	80. SAN ONOFRE 2 & 3 (1140)	06/01/70C	10/18/73C	40.5	CPRR-97698
050-00387	81. SUSQUEHANNA 1 & 2 (1050)	04/01/71C	11/02/73C	31.0	CPRR-1016102
050-00367	82. BAILLY 1 (0645)	08/24/70C	05/01/74C	44.2	CPRR-104
050-00412	83. BEAVER VALLEY 2 (0852)	10/20/72C	05/03/74C	18.4	CPRR-105
050-00352	84. LIMERICK 1 & 2 (1065)	02/27/70C	06/19/74C	51.7	CPRR-1066107
050-00410	85. NINE MILE POINT 2 (1080)	06/15/72C	06/24/74C	24.3	CPRR-112
050-00424	86. VOTTE 1 & 2 (1113)	02/13/73C	06/28/74C	16.5	*CPRR-108,109,110,111
050-00404	87. NORTH ANNA 3 & 4 (0907)	09/15/71C	07/26/74C	34.3	CPRR-1146115
050-00423	88. MILLSTONE 3 (1156)	02/10/73C	08/09/74C	17.9	CPRR-113
050-00416	89. GRAND GULF 1 & 2 (1250)	11/17/72C	09/04/74C	21.5	CPRR-1166117
050-00354	90. HOPE CREEK 1 & 2 (1067)	02/27/70C	11/04/74C	56.2	CPRR-1206121
050-00382	91. WATERFORD 3 (1113)	12/19/70C	11/14/74C	46.8	CPRR-103
050-00445	92. COMANCHE PEAK 1 & 2 (1150)	07/20/73C	12/19/74C	16.9	CPRR-1266127
050-00434	93. SURRY 3 & 4 (0859)	05/29/73C	12/20/74C	18.7	**CPRR-1246125
050-00438	94. BELLEFONTE 1 & 2 (1213)	06/21/73C	12/24/74C	18.1	CPRR-1226123
050-00413	95. CATAWBA 1 & 2 (1153)	10/27/72C	08/07/75C	33.3	CPRR-1166117
050-00498	96. SOUTH TEXAS 1 & 2 (1250)	07/05/74C	12/22/75C	17.5	CPRR-1286129
050-00460	97. WASHINGTON NUCLEAR 1 (1218)	10/18/73C	12/24/75C	26.2	CPRR-134
050-00456	98. BRAIDWOOD 1 & 2 (1120)	09/20/73C	12/31/75C	27.3	CPRR-1326133
050-00454	99. BYRON 1 & 2 (1120)	09/20/73C	12/31/75C	27.3	CPRR-1306131
050-00461	100. CLINTON 1 & 2 (0933)	10/30/73C	02/24/76C	27.8	CPRR-1376138
050-00483	101. CALLAWAY 1 & 2 (1120)	06/21/74C	04/16/76C	21.8	CPRR-1396140
050-00528	102. PALO VERDE 1,2,3 (1238)	10/07/74C	05/25/76C	19.6	CPRR-141,142,143
050-00443	103. SEABROOK 1 & 2 (1200)	07/09/73C	07/07/76C	35.9	CPRR-1356130
050-00458	104. RIVER BEND 1 & 2 (0934)	09/24/73C	03/25/77C	42.0	CPRR-1456146
050-00389	105. ST LUCIE 2 (0810)	05/15/73C	05/02/77C	47.5	CPRR-144
050-00440	106. PERRY 1 & 2 (1205)	06/25/73C	05/03/77C	46.2	CPRR-1406143
050-00518	107. HARTSVILLE 1 - 4 (1233)	11/22/74C	05/09/77C	29.5	CPRR-150,151,152,153
050-00482	108. WOLF CREEK 1 (1150)	07/26/74C	05/17/77C	33.7	CPRR-147
050-00485	109. STERLING 1 (1150)	06/21/74C	09/01/77C	38.3	CPRR-156
050-00484	110. TYRONE 1 (1150)	08/29/74C	12/27/77C	39.9	CPRR-157
050-00491	111. CHEROKEE 1,2,3 (1280)	05/24/74C	12/30/77C	43.2	CPRR-167,168,169
050-00553	112. PHIPPS BEND 1 & 2 (1233)	11/07/75C	01/16/78C	26.3	CPRR-162,163
050-00400	113. HARRIS 1,2,3,4 (0900)	09/17/71C	01/27/78C	76.3	CPRR-158,159,160,161
050-00513	114. WASHINGTON NUCLEAR 4 (1218)	10/18/73C	02/21/78C	52.1	CPRR-174
050-00546	115. MARBLE HILL 1 & 2	09/11/75C	04/04/78C	30.8	CPRR-170, 171
050-00508	116. WASHINGTON NUCLEAR 3 & 5	08/02/74C	04/11/78C	44.3	CPRR-154, 155
050-00568	117. YELLOW CREEK 1&2	07/16/76C	11/29/78C	28.6	CPRR-172, 173

*UNITS 3 & 4 CANCELLED
**UNITS 3 & 4 CANCELLED

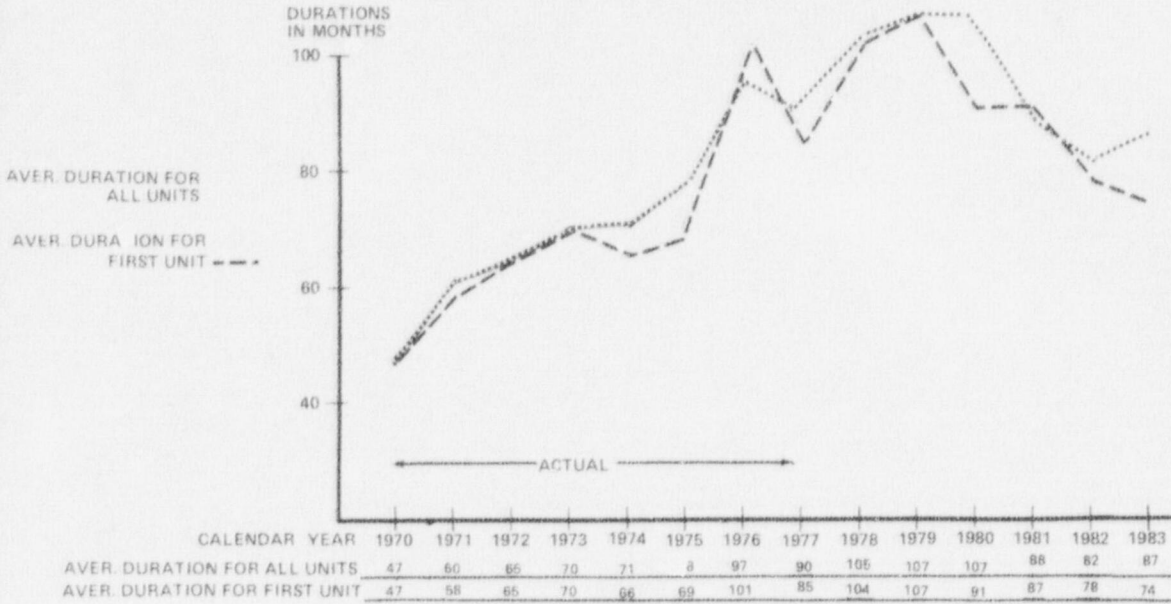
Year	Issued	Average (In Months)
FY 1971	6	21.7
FY 1972	0	0
FY 1973	11	32.6
FY 1974	9	33.1
FY 1975	8	28.8
FY 1976	9	26.3
FY 1977	6	39.5
FY 1978	7	44.7*
FY 1979		(28.6)
		(39.4)**

*Includes Harris 1-4 delayed four years by applicant.

**EXCLUDES HARRIS 1 - 4

SINCE 1955, 170 CONSTRUCTION PERMITS HAVE BEEN ISSUED.

AVERAGE DURATION FOR NUCLEAR POWER PLANT CONSTRUCTION



CALENDAR YEAR 1979

FACILITY	START CONSTRUCTION	FLD ESTIMATE	PERCENT COMPLETE	TYPE REACTOR	MWE	CONSTRU. ** DURATION
THREE MILE ISLAND 2	* 02-11-69	01-01-78C	100%	PWR	906	107.0
HATCH 2	* 09-01-68	05-01-78C	100%	BWR	795	116.0
ARKANSAS 2	* 05-15-71	06-19-78C	100%	PWR	912	85.1
DIABLO CANYON 1	* 06-14-68	08-07-78	99%	PWR	1084	121.5

AVE = 92.4 AVE = 107.4

82

CALENDAR YEAR 1980 -- PROJECTED DURATIONS

FACILITY	START CONSTRUCTION	FLD ESTIMATE	PERCENT COMPLETE	TYPE REACTOR	MWE	CONSTRU. ** DURATION
SALEM 2	01-01-68	01-12-79	+ 97%	PWR	1115	132.4
DIABLO CANYON 2	06-14-68	02-00-79	96%	PWR	1106	127.5
MCGUIRE 1	* 04-11-71	* 02-01-79	95%	PWR	1180	94.0
LASALLE 1	* 10-10-73	03-01-79	+ 79%	BWR	1078	64.7
SEQUOYAH 1	* 05-05-69	04-01-79	92%	PWR	1140	118.9
NORTH ANNA 2	12-28-69	+ 04-01-79	92%	PWR	943	111.8
ZIMMER 1	* 06-01-71	06-00-79	+ 91%	BWR	810	96.0
SEQUOYAH 2	05-05-69	12-01-79	78%	PWR	1140	126.9
WATTS BAR 1	* 01-15-73	+ 12-01-79	85%	PWR	1165	82.5
FARLEY 2	10-10-70	12-15-79	51%	PWR	829	110.5

AVE = 105.1 AVE = 106.5

*Indicates the first unit of a multi-unit application or single unit application.
 **In Calendar Months
 +Indicates a change in the information from the previous reporting period

AVERAGE DURATION FOR NUCLEAR POWER PLANT CONSTRUCTION

CONTINUED FROM PREVIOUS PAGE

CALENDAR YEAR 1981 - PROJECTED DURATIONS

FACILITY	START CONSTRUCTION	FLD ESTIMATE	PERCENT COMPLETE	TYPE REACTOR	MWE	CONSTRU. ** DURATION
SAN ONOFRE 2	* 03-04-74	02-18-80	70%	PWR	1140	71.5
LASALLE 2	08-01-72	03-01-80	+ 61%	BWR	1078	91.0
SHOREHAM	* 11-01-72	03-01-80	77%	BWR	854	88.0
WATTS BAR 2	01-15-73	03-01-80	66%	PWR	1165	85.5
WASHINGTON NUCLEAR 2	* 06-28-72	03-15-80	71%	BWR	1103	92.6
SUSQUEHANNA 1	* 11-05-73	05-01-80	+ 79%	BWR	1052	77.9
ENRICO FERMI 2	* 06-01-69	06-01-80	+ 76%	BWR	1123	132.0
SUMMER 1	* 04-12-73	+07-01-80	77%	PWR	900	86.6
COMANCHE PEAK 1	* +10-18-74	08-01-80	+ 63%	PWR	1150	69.4
GRAND GULF 1	* 05-03-74	10-01-80	+ 76%	BWR	1250	76.9
MCGUIRE 2	04-01-71	10-10-80	60%	PWR	1180	114.3
MIDLAND 2	* 06-15-73	11-00-80	+ 53%	PWR	818	88.5
BELLEFONTE 2	09-17-74	12-01-80	42%	PWR	1235	74.5

CALENDAR YEAR 1980 - PROJECTED DURATIONS

CALENDAR YEAR 1982 - PROJECTED DURATIONS

AVE=1081 AVE= 88.4

FACILITY	START CONSTRUCTION	FLD ESTIMATE	PERCENT COMPLETE	TYPE REACTOR	MWE	CONSTRU. ** DURATION
CATAWBA 1	* 06-16-74	02-01-81	26%	PWR	1145	79.5
BELLEFONTE 1	* 09-17-74	03-01-81	+ 58%	PWR	1235	77.5
BYRON 1	* 06-01-75	03-01-81	+ 49%	PWR	1120	69.0
BRAIDWOOD 1	* 08-01-75	05-00-81	+ 42%	PWR	1120	69.0
WATERFORD 3	* 12-01-74	05-01-81	+ 51%	PWR	1165	77.0
SAN ONOFRE 3	03-04-74	05-11-81	48%	PWR	1140	86.2
PERRY 1	* 10-21-74	05-30-81	+ 30%	BWR	1205	79.3
MIDLAND 1	06-15-73	11-00-81	+ 46%	PWR	492	100.5
NORTH ANNA 3	* 07-01-72	11-01-81	07%	PWR	907	112.0
SUSQUEHANNA 2	11-05-73	11-01-81	+ 53%	BWR	1052	95.9
SOUTH TEXAS 1	* 09-22-75	+11-01-81	+ 36%	PWR	1250	73.3
PALO VERDE 1	* 06-01-76	11-01-81	29%	PWR	1270	65.0

CALENDAR YEAR 1983 - PROJECTED DURATIONS

AVE=1092 AVE= 82.0

FACILITY	START CONSTRUCTION	FLD ESTIMATE	PERCENT COMPLETE	TYPE REACTOR	MWE	CONSTRU. ** DURATION
HARTSVILLE A-1	* 04-26-76	03-01-82	11%	BWR	1205	70.2
MARBLE HILL 1	* 08-24-77	04-00-82	+ 13%	PWR	1130	55.2
CLINTON 1	* 10-06-75	04-01-82	+ 34%	BWR	950	77.8
CALLAWAY 1	* 03-01-76	04-01-82	+ 24%	PWR	1150	73.0
BYRON 2	07-01-75	05-00-82	+ 39%	PWR	1120	82.0
BRAIDWOOD 2	08-01-75	05-00-82	+ 33%	PWR	1120	81.0
ST LUCIE 2	* 06-10-76	05-01-82	13%	PWR	842	70.7
WASHINGTON NUCLEAR 1	* 08-04-75	06-01-82	16%	PWR	1267	81.9
COMANCHE PEAK 2	+10-18-74	08-01-82	+ 21%	PWR	1150	93.4
CATAWBA 2	06-16-74	08-01-82	23%	PWR	1145	97.5
HARTSVILLE B-1	04-26-76	09-01-82	10%	BWR	1205	76.2
BLACK FOX 1	* UNKNOWN	10-01-82	00%	BWR	1150	0.0
LIMERICK 1	* 08-01-70	10-01-82	46%	BWR	1065	146.0
WOLF CREEK 1	* 07-05-77	10-01-82	+ 24%	PWR	1150	62.9
REAVER VALLEY 2	* 05-04-74	10-31-82	+ 27%	PWR	852	101.9
SOUTH TEXAS 2	11-01-75	+11-01-82	+ 10%	PWR	1250	84.0
NORTH ANNA 4	07-01-72	12-01-82	04%	PWR	907	125.0
PERRY 2	10-21-74	12-30-82	+ 18%	BWR	1205	98.3

CALENDAR YEAR 1984 - PROJECTED DURATIONS

AVE=1104 AVE= 86.9

FACILITY	START CONSTRUCTION	FLD ESTIMATE	PERCENT COMPLETE	TYPE REACTOR	MWE	CONSTRU. ** DURATION
SEABROOK 1	* 07-08-76	+01-01-83	+ 20%	PWR	1194	77.8
NINE MILE POINT 2	* 06-25-75	03-01-83	22%	BWR	1080	92.2
HARTSVILLE A-2	04-26-76	03-01-83	03%	BWR	1205	82.2
PHIPPS BEND 1	* 10-18-77	08-01-83	00%	BWR	1220	66.4
HARRIS 1	01-21-74	06-01-83	+ 09%	PWR	915	112.3
WASHINGTON NUCLEAR 3	* 04-11-77	07-00-83	05%	PWR	1242	74.6
MARBLE HILL 2	08-24-77	07-00-83	+ 08%	PWR	1130	70.2
GRAND GULF 2	05-03-74	07-01-83	00%	BWR	1250	109.9
FORKED RIVER	* 08-15-73	08-01-83	+ 03%	PWR	1070	119.5
BAILLY 1	* 08-01-74	09-01-83	01%	BWR	660	109.0
HARTSVILLE B-2	04-26-76	09-01-83	02%	BWR	1205	88.2
PALO VERDE 2	10-01-76	11-01-83	09%	PWR	1270	85.0
HUPE CREEK 1	* 03-01-76	11-30-83	+ 11%	BWR	1067	93.0
WASHINGTON NUCLEAR 4	10-01-75	12-01-83	07%	PWR	1267	98.0

*Indicates the first unit of a multi-unit application or single unit application.

**In Calendar Months

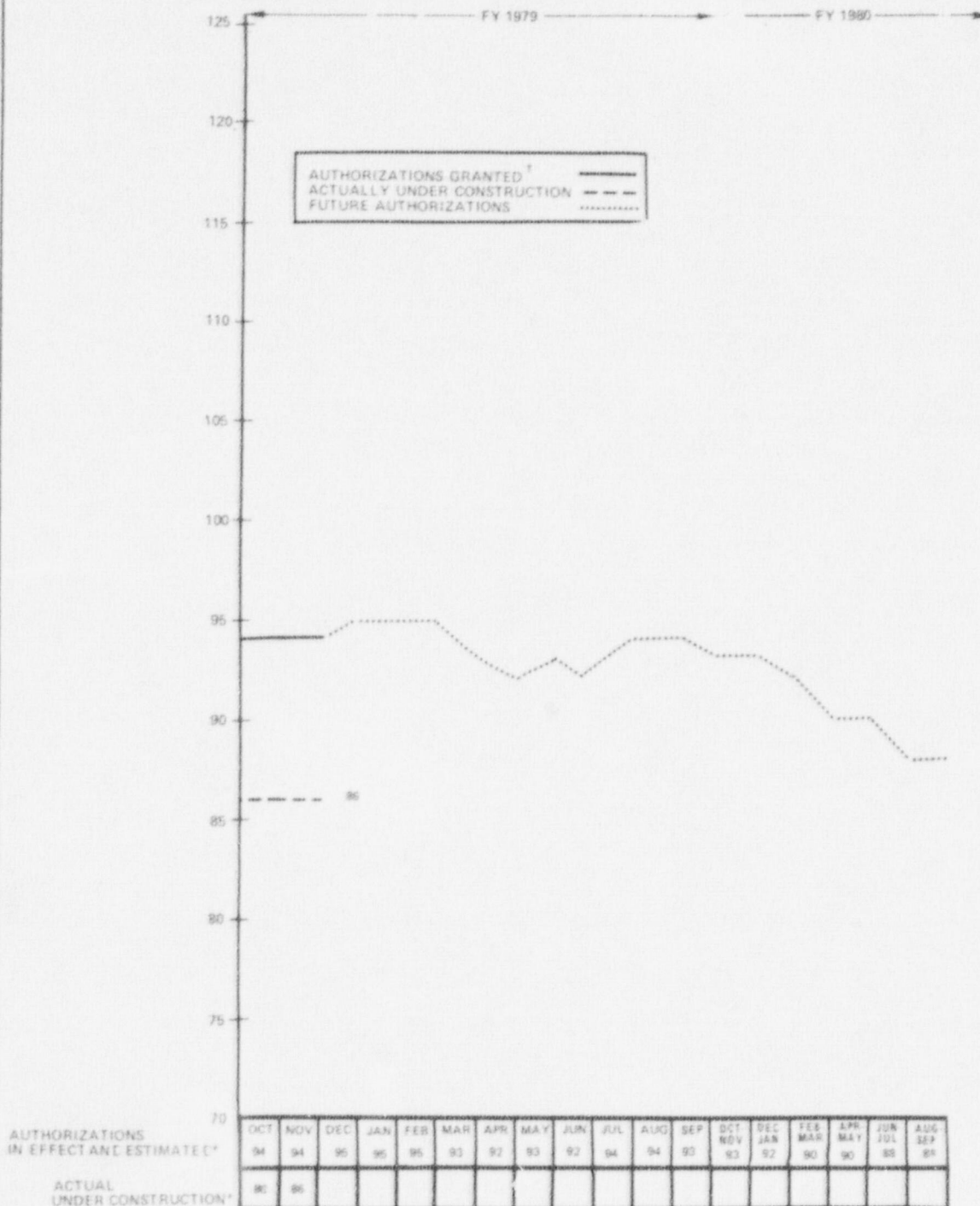
+Indicates a change in the information from the previous reporting period

AVE=1127 AVE= 91.3

NUCLEAR POWER PLANTS UNDER CONSTRUCTION

THE SOLID BLACK LINE ON THIS CHART SHOWS THE TOTAL NUMBER OF NUCLEAR POWER PLANTS, IN UNITS, CURRENTLY AUTHORIZED CONSTRUCTION ACTIVITY (EITHER LWA OR CP). THE DOTTED LINE PLOTS FUTURE CONSTRUCTION AUTHORIZATIONS, MINUS THOSE UNITS PROJECTED TO RECEIVE AN OL AND THE DASHED LINE SHOWS UNITS ACTUALLY ENGAGED IN CONSTRUCTION.

DATA AS OF: NOVEMBER 30, 1978



*IN UNITS
† LWA'S & CP'S IN EFFECT.

NUCLEAR POWER PLANTS UNDER CONSTRUCTION

Continued from previous page

LIMITED WORK AUTHORIZATION OR CONSTRUCTION PERMIT GRANTED

ACTIVELY UNDER CONSTRUCTION

FACILITY	AUTH. DATE
BEAVER VALLEY 2	05-03-74
BELLEFONTE 1 & 2	09-17-74
BLACK FOX 1 & 2	07-24-78
BRADWOOD 1 & 2	01-13-75
BYRON 1 & 2	12-13-74
GALLAWAY 1	08-14-75
CATAWBA 1 & 2	05-16-74
CHEROKEE 1, 2, 3	05-28-76
CLINTON 1	10-01-75
COMANCHE PEAK 1 & 2	10-17-74
DAVIS BESSE 2 & 3	12-31-75
DIABLO CANYON 1	04-23-68
DIABLO CANYON 2	12-09-70
FARLEY 2	08-16-72
FERMI 2	09-27-72
FORKED RIVER	07-10-73
GRAND GULF 1 & 2	05-03-74
HARRIS 1, 2, 3, 4	01-01-74
HARTSVILLE 1,2,3,4	04-22-76
HOPE CREEK 1 & 2	11-04-74
LANSALLE 1 & 2	09-10-73
LIMBERICK 1 & 2	06-19-74
MARBLE HILL 1 & 2	08-24-77
MCCUIRE 1 & 2	02-23-73
MIDLAND 1 & 2	12-15-72
MILLSTONE 3	06-05-74
NINE MILE POINT 2	06-24-74
NORTH ANNA 2	02-19-71
PALO VERDE 1 & 2	05-25-76
PERRY 1 & 2	10-21-74
PHIPPS BEND 1 & 2	10-18-77
RIVER BEND 1 & 2	09-05-75
ST. LUCIE 2	03-17-75
SALEM 2	09-25-68
SAN ONOFRE 2 & 3	10-18-73
SEABROOK 1 & 2	07-07-76
SEQUOYAH 1 & 2	05-27-70
SHOKEHAM	04-14-73
SOUTH TEXAS 1 & 2	08-12-75
SUMMER 1	03-21-73
SUSQUEHANNA 1 & 2	11-02-73
VOGTLE 1 & 2	06-28-74
WPPSS 1	08-01-75
WPPSS 2	03-19-73
WPPSS 4	08-01-75
WPPSS 3 & 5	04-08-77
WATERFORD 3	05-14-74
WATTS BAR 1 & 2	01-23-73
WOLF CREEK	01-24-77
YELLOW CREEK 1 & 2	02-09-78
ZIMMER 1	10-27-72

*CONSTRUCTION INACTIVE

FACILITY	AUTH. DATE
BAILLY 1	05-01-74
CALLAWAY 2	08-14-75
CLINTON 2	10-01-75
NORTH ANNA 3 & 4	07-26-74
PALO VERDE 3	05-25-76
STERLING 1	09-01-77
TYRONE 1	12-27-77

*AUTHORIZED BUT NOT UNDER CONSTRUCTION - 8 UNITS

TOTAL - 86

SECTION IV - OPERATING LICENSE APPLICATIONS UNDER NRC REVIEW

OPERATING LICENSE FORECAST

(CUMULATIVE LICENSED FACILITIES AND PROJECTED OL ADDITIONS IN FY 77/8)

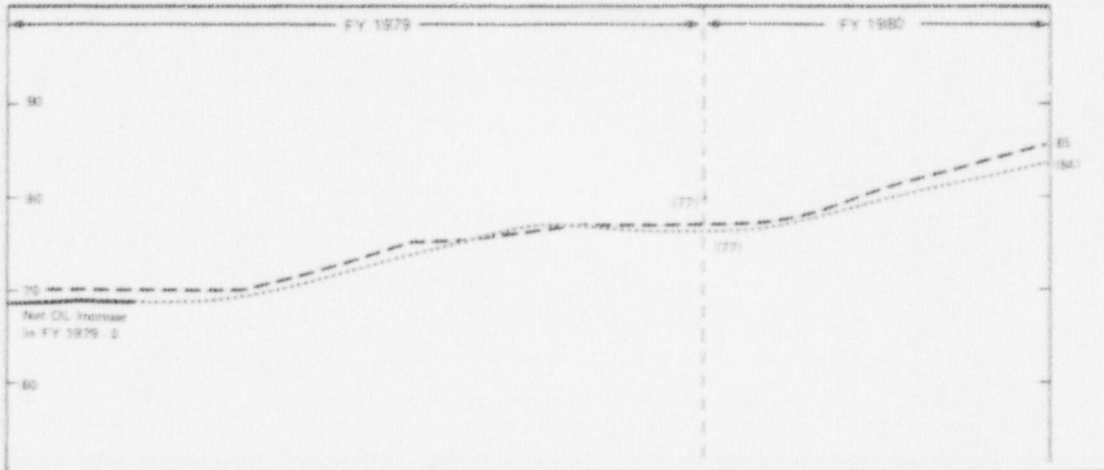
DATA AS OF: NOVEMBER 21, 1978

DESCRIPTION:

THIS CHART REPRESENTS THE CURRENT CUMULATIVE NUMBER OF ACTUAL OPERATING LICENSE ISSUANCES (SOLID LINE) AND ESTIMATED ISSUANCES (DOTTED LINE) DURING FISCAL YEARS 1979 AND 1980, AS COMPARED TO THE PROJECTION MADE ON OCTOBER 1, 1977 (DASHED LINE). NUMBERS IN PARENTHESES REFLECT THE LATEST ESTIMATE BEYOND THE CURRENT MONTH.

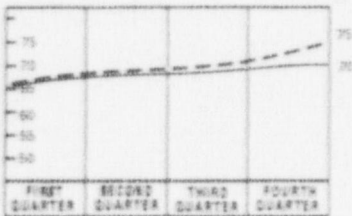
LEGEND:

- BUDGET FORECAST -----
- ACTUAL COMPLETIONS =====
- LATEST ESTIMATE ()



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL	
BUDGET FORECAST BY MONTH	0	0	0	0	1	2	2	0	1	1	0	0	0	1	3	1	2	1	15							
LATEST ESTIMATE BY MONTH	0	0	(0)	(0)	(0)	(2)	(2)	(0)	(1)	(0)	(0)	(1)	(0)	(2)	(3)	(0)	(2)	(1)	(14)							
CUMULATIVE BUDGET FORECAST	70	70	70	70	71	73	75	75	76	77	77	77	77	78	81	82	84	85	90							
CUMULATIVE LATEST ESTIMATE	70	70	(70)	(70)	(70)	(72)	(74)	(74)	(75)	(75)	(75)	(76)	(76)	(78)	(81)	(83)	(84)	(84)	(84)							

FY 1978 VS OCTOBER 1977 FORECAST



SUMMARY:

No OL's have been issued to date in FY 1979.

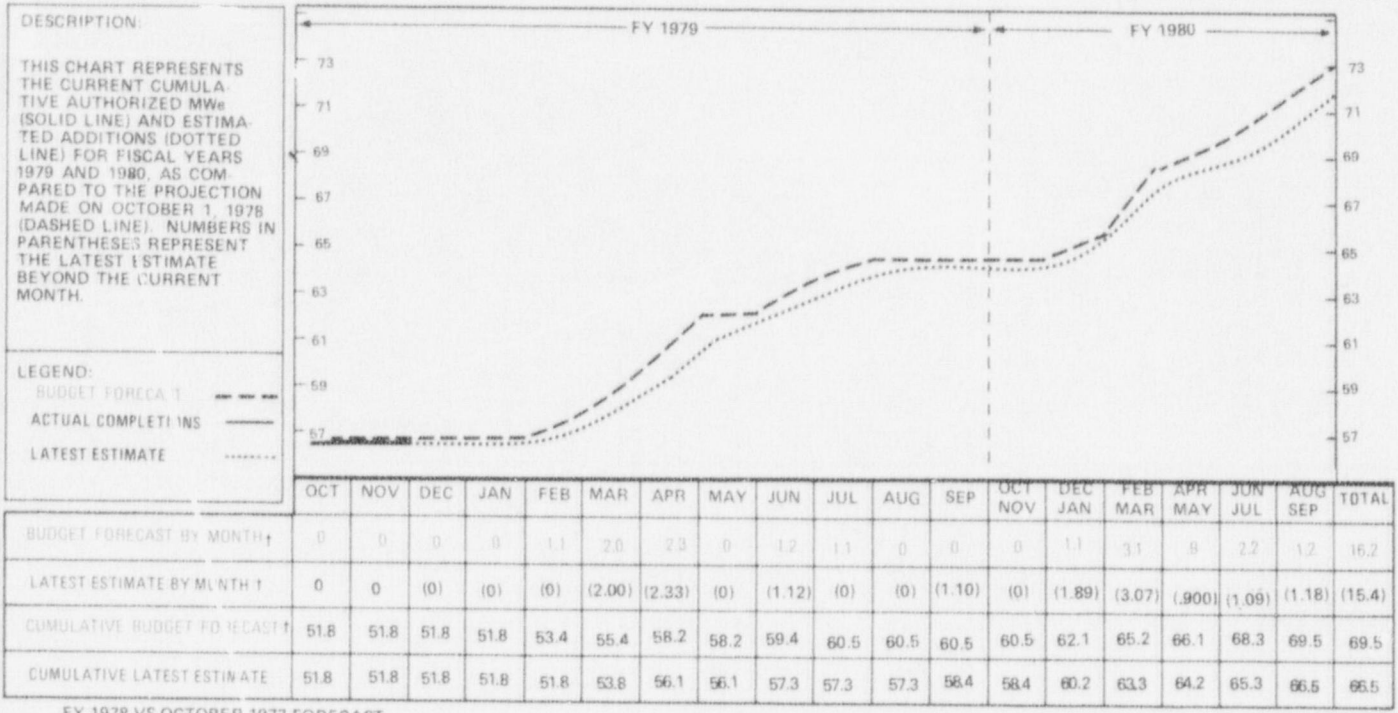
Six OL's are estimated to be issued in FY 1979, representing 95% of the 10/01/78 forecast.

14 OL's are estimated to be issued during FY 1979 and 1980, representing 93% of the 10/01/78 forecast.

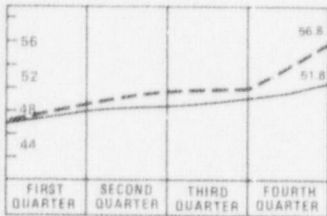
APPLICATION	FY 1979	10-01-78 FORECAST	CURRENT ESTIMATE
NORTH ANNA 2 (10907)		03/00/79	03/00/79
DIABLO CANYON 1 (10884)		02/00/79	03/00/79
MCGUIRE 1 (11082)		04/00/79	04/00/79
SEQUOYAN 1 (11048)		04/00/79	04/00/79
SALOER 2 (11055)		06/00/79	06/00/79
DIABLO CANYON 2 (11064)		03/00/79	03/00/79
FY 1980			
ZIMMER 1 (10810)		07/00/80	07/00/80
LASALLE 1 (10783)		02/00/80	02/00/80
SAN ANDRE 2 (11080)		02/00/80	02/00/80
SEQUOYAN 2 (11045)		02/00/80	02/00/80
SHOREHAM (08818)		03/00/80	03/00/80
ENRICO FERMI 2 (10950)		03/00/80	03/00/80
SUMNER 1 (10904)		04/00/80	04/00/80
WATTS BAR 1 (11072)		04/00/80	04/00/80

ELECTRICAL POWER FORECAST

DATA AS OF: NOVEMBER 31, 1978



FY 1978 VS OCTOBER 1977 FORECAST



<p>SUMMARY:</p> <p>No MWE have been added thus far in FY 1979.</p> <p>58,004 cumulative MWe are forecast to be authorized by the end of FY 1979, representing 85% of the 10-01-78 forecast.</p> <p>66,005 cumulative MWe are forecast to be authorized by the end of FY 1980.</p>	<p>NOTES:</p> <p>† IN THOUSANDS</p>
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APPLICATION	10-01-78 FORECAST	CURRENT ESTIMATE
FY 1979		
NORTH ANNA 2 (1007)	03-00-79	03-00-79
DIABLO CANYON 1 (1084)	02-20-79	03-10-79
MCGUIRE 1 (1180)	04-00-79	04-00-79
SEQUOYAH 1 (1148)	04-00-79	04-00-79
SALEM 2 (1115)	06-00-79	06-00-79
DIABLO CANYON 2 (1106)	03-00-79	09-00-79
FY 1980		
ZIMMER 1 (810)	07-00-79	12-00-79
LASALLE 1 (1079)	12-00-79	12-00-79
SAN ONOFRE 2 (1100)	02-00-80	02-00-80
SEQUOYAH 2 (1148)	02-00-80	02-00-80
SHOREHAM (0819)	03-00-80	03-00-80
SUMMER 1 (900)	04-30-80	04-30-80
ENRICO FERMI 2 (1103)	06-01-80	06-01-80
WATTS BAR 1 (1177)	09-00-80	09-00-80

LICENSING STATUS - OPERATING LICENSES

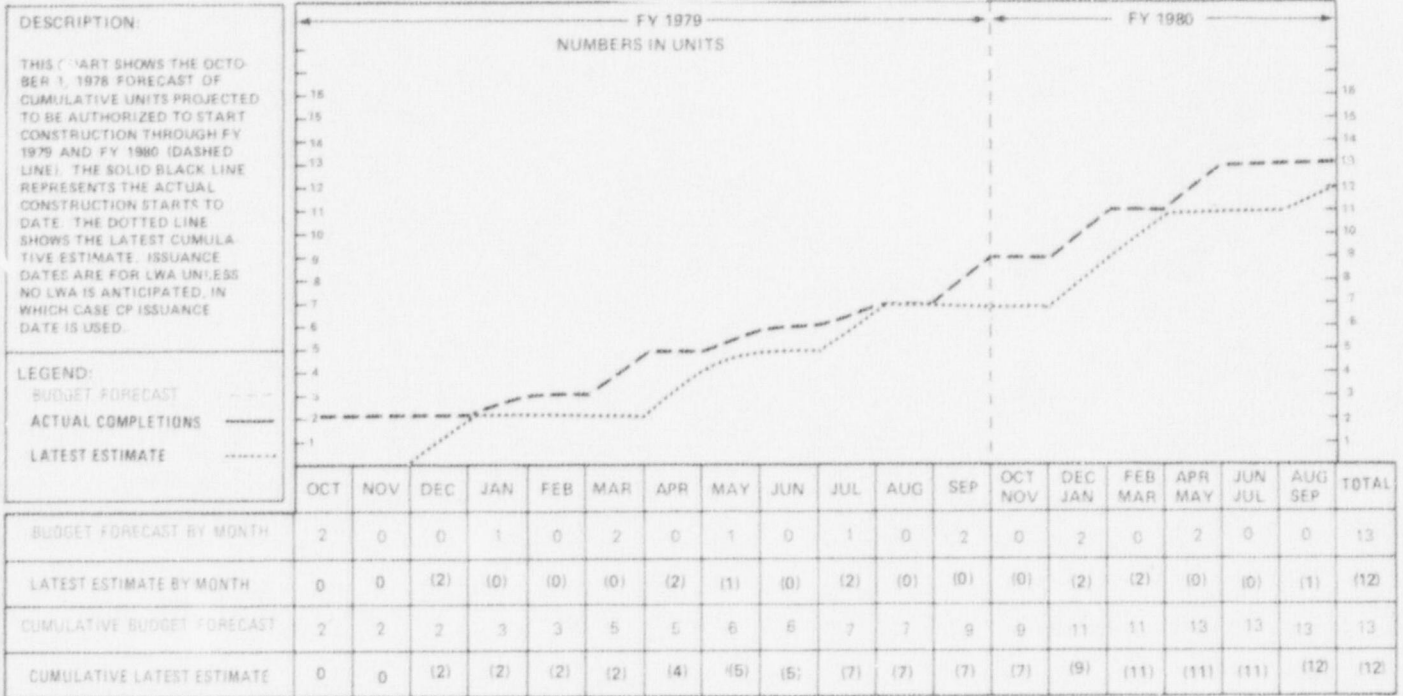
DATA AS OF : NOVEMBER 31, 1978

NEW APPLICATION FORECAST (OLs)	OL APPLICATIONS UNDER REVIFW	ACCEPTANCE REVIEW	FIRST ROUND QUESTIONS	SECOND ROUND QUESTIONS	ISSUE SAFETY EVALUATION	ISSUE SUPPLEMENT	DES PHASE	FES PHASE	PUBLIC HEARING PROCESS	PENDING DL ISSUANCE	FUEL LOAD OR PARTIAL POWER LICENSES
FY 1979											
PERRY 1 & 2	ARKANSAS 2				X					X	X
CATAWBA 1 & 2	BELLEFONTE 1	X				X					
CLINTON 1 & 2	BELLEFONTE 2	X				X					
MARDLE HILL 1 & 2	BRADWOOD 1	--X									
BEAVER VALLY 2	BRADWOOD 2	--X									
CALLAWAY 1 & 2	BYRON 1	--X									
	BYRON 2	--X									
FY 1980	COMANCHE PEAK 1		X								
BRADWOOD 1 & 2	COMANCHE PEAK 2		X								
BYRON 1 & 2	DIABLO CANYON 1				X				X		
BYRON 1 & 2	DIABLO CANYON 2				X				X		
NORTH ANNA 3 & 4	FARLEY 2									X	
PALO VERDE 1,2,3	FERMI 2			X		X					
SEABROOK 1 & 2	GRAND GULF 1		X			X					
HARTSVILLE A1, A2, B1, B2	GRAND GULF 2		X			X					
WOLF CREEK 1	LASALLE 1			X			X				
NINE MILE POINT 2	LASALLE 2		X				X				
	MCGUIRE 1				X				X		
	MCGUIRE 2				X				X		
	MIDLAND 1		X			X					
	MIDLAND 2		X			X					
	NORTH ANNA 2									X	
	SALEM 2			X							
	SAN ONOFRE 2			X		X					
	SAN ONOFRE 3			X		X					
	SEQUOYAH 1				X						
	SEQUOYAH 2				X						
	SHOREHAM				X					X	
	SOUTH TEXAS 1		X			X					
	SOUTH TEXAS 2		X			X					
	SUMMER 1		X			X					
	SUSQUEHANNA 1		X			X					
	SUSQUEHANNA 2		X			X					
	WPPSS 2		X			X					
	WATERFORD 3	--X									
	WATTS BAR 1		X				X				
	WATTS BAR 2		X				X				
	ZIMMER 1				X					X	
	TOTALS										
	24 APPLICATIONS	3	9	4	3	3	9	2	4	3	1
	36 UNITS	5	16	7	3	5	15	4	6	3	1

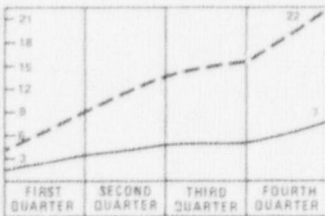
SECTION V - CONSTRUCTION PERMIT APPLICATIONS & SPECIAL PROJECTS UNDER NRC REVIEW

CONSTRUCTION AUTHORIZATION FORECAST

DATA AS OF NOVEMBER 30, 1978



FY 1978 VS OCTOBER 1977 FORECAST



<p>NOTES:</p> <p>N/S: Not scheduled N/A: Milestone or Schedule Terminated</p> <p>* LWA not requested</p>	<p>SUMMARY:</p> <p>UNITS AUTHORIZED CONSTRUCTION</p> <p>0 AUTHORIZED TO DATE 0% OF FORECAST</p> <p>12 BY END OF FY 1980 92% OF FORECAST</p>
---	--

APPLICATIONS (MWe) 10/1/78 FORECAST LATEST ESTIMATE

FY 1979

(CP) *JAMESPORT 1 & 2 (1150)	10/30/78	12/30/78
(CP) *ERIE 1 & 2 (1260)	03/28/79	04/04/79
(CP) *PILGRIM 2 PS&R UPDATE (0000)	01/12/79	05/00/79
(CP) *GREENE COUNTY (1191)	07/09/79	07/09/79
(CP) *KALLENS CREEK 1 (1150)	05/25/79	07/29/79

FY 1980

(CP) *PALO VERDE 4 & 5 (1270)	12/16/79	12/16/79
(CP) *NEW ENGLAND 1 & 2 (1150)	05/01/79	02/03/80
(CP) *HAVEN 1 & 2 (0900)	05/00/80	08/06/80

LIMITED WORK AUTHORIZATION FORECAST

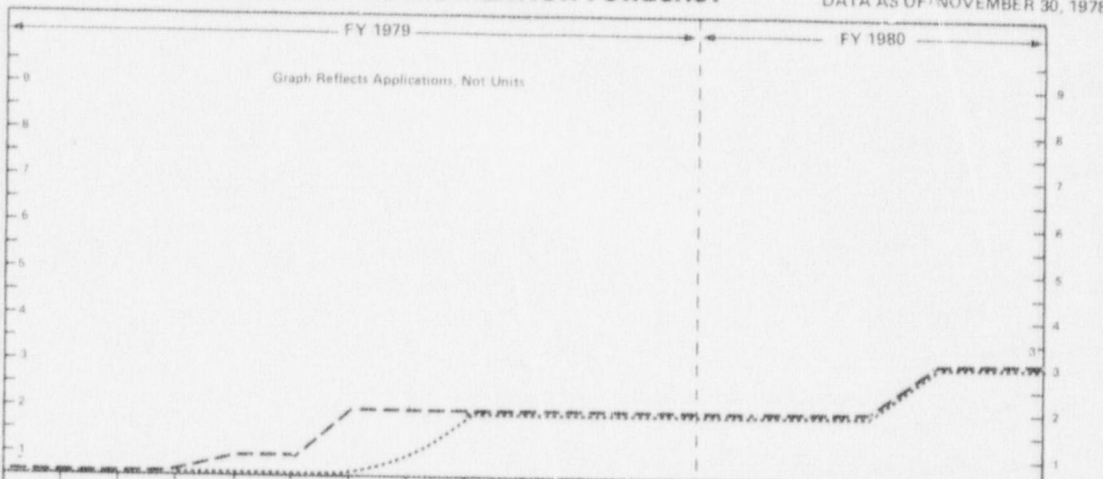
DATA AS OF: NOVEMBER 30, 1978

DESCRIPTION:

THIS CHART SHOWS THE OCTOBER 1978 FORECAST OF CUMULATIVE LIMITED WORK AUTHORIZATIONS (DASHED LINE) TO BE ISSUED THROUGH FY 1979 AND 1980. THE SOLID BLACK LINE REPRESENTS THE ACTUAL CUMULATIVE LIMITED WORK AUTHORIZATIONS ISSUED, AND THE DOTTED LINE SHOWS THE LATEST CUMULATIVE ESTIMATE. NUMBERS IN PARENTHESES ARE LATEST PROJECTIONS.

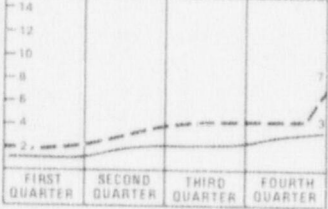
LEGEND:

- BUDGET FORECAST: - - - - -
- ACTUAL COMPLETIONS: —————
- LATEST ESTIMATE: ······



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	DEC	FEB	APR	JUN	AUG	TOTAL
BUDGET FORECAST BY MONTH	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	3
LATEST ESTIMATE BY MONTH	0	0	(0)	(0)	(0)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(1)	(0)	(0)	(3)
CUMULATIVE BUDGET FORECAST	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3
CUMULATIVE LATEST ESTIMATE	0	0	(0)	(0)	(0)	(0)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(3)	(3)	(3)	(3)

FY 1978 VS OCTOBER 1977 FORECAST



NOTES:

- * N/S: Currently not scheduled

SUMMARY:

- 0 COMPLETED TO DATE 100% OF FORECAST
- 3 BY END OF FY 1980 100% OF FORECAST

APPLICATION (MWe)	FY 1979	FORECAST	CURRENT ESTIMATE
(CP) ERIE 1 & 2 (1260)		03/28/79	04/08/79
(CP) PILGRIM 2 PSAR UPDATE (0000)		01/12/79	05/00/79
	FY 1980		
(PDC) NEW HAVEN 1 & 2 (1220)		05/00/80	05/00/80

LIMITED WORK AUTHORIZATIONS ISSUED

(LWA-1's AND LWA-2's ISSUED. DURATIONS ARE FROM ER DOCKETING DATE.)

DATA AS OF: NOVEMBER 30, 1978

APPLICATION	ER DOCKETED	LWA-1 ISSUED	ELAPSED MONTHS	LWA-2 ISSUED	ELAPSED MONTHS
1. GRAND GULF 1 & 2	11-17-72	05-03-74	17.5	07-14-74	41.9
2. WATERFORD 3	01-15-71	05-14-74	39.9		
3. CATAWBA 1 & 2	10-27-72	05-16-74	18.7		
4. VOGTLE 3-4*	02-13-73	05-28-74	15.5		
5. MILLSTONE 3	02-10-73	06-05-74	15.9		
6. BELLEFONTE 1 & 2	06-21-73	09-17-74	14.8		
7. SURRY 3 & 4	09-14-73	10-04-74	12.6		
8. COMANCHE PEAK 1 & 2	07-20-73	10-17-74	14.9	10-17-74	14.9
9. PERRY 1 & 2	06-25-73	10-21-74	15.9	09-09-75**	29.7
10. BYRON 1 & 2	09-20-73	12-13-74	14.7	10-30-75	25.3
11. BRAIDWOOD 1 & 2	09-20-73	01-13-75	15.7	10-30-75	25.3
12. ST. LUCIE 2	08-31-73	03-17-75	18.6	03-17-75	18.6
13. WPPSS 1 & 4	08-20-73	08-01-75	23.3	08-01-75***	23.3
14. SUMMIT 1 & 2	08-16-73	08-07-75	25.3		
15. SOUTH TEXAS 1 & 2	07-05-74	08-12-75	13.2		
16. CALLAWAY 1 & 2	07-30-74	08-14-75	13.7		
17. RIVER BEND 1 & 2	09-21-73	09-03-75	23.4		
18. CLINTON 1 & 2	10-30-73	10-01-75	23.1		
19. DAVIS BESSE 2 & 3	08-09-74	12-31-75	16.7		
20. HARTSVILLE 1-4	09-13-74	04-22-76	19.3	12-27-76	27.9
21. CHEROKEE 1,2,3	06-28-74	05-28-76	21.0	07-28-77	25.0
22. WOLF CREEK	06-21-74	01-24-77	30.3	01-24-77	30.3
23. WPPS 3 & 5	09-30-74	04-08-77	30.3		
24. MARBLE HILL 1 & 2	09-11-75	08-24-77	23.4	12-09-77	26.9
25. PHIPPS BEND 1 & 2	04-01-77	10-18-77	18.6		
26. YELLOW CREEK 1 & 2	12-20-76	02-09-78	13.6		
27. BLACK FOX	12-23-75	07-26-78	31.0		

*VOGTLE 3 & 4 WERE CANCELLED SUBSEQUENT TO LWA ISSUANCE.

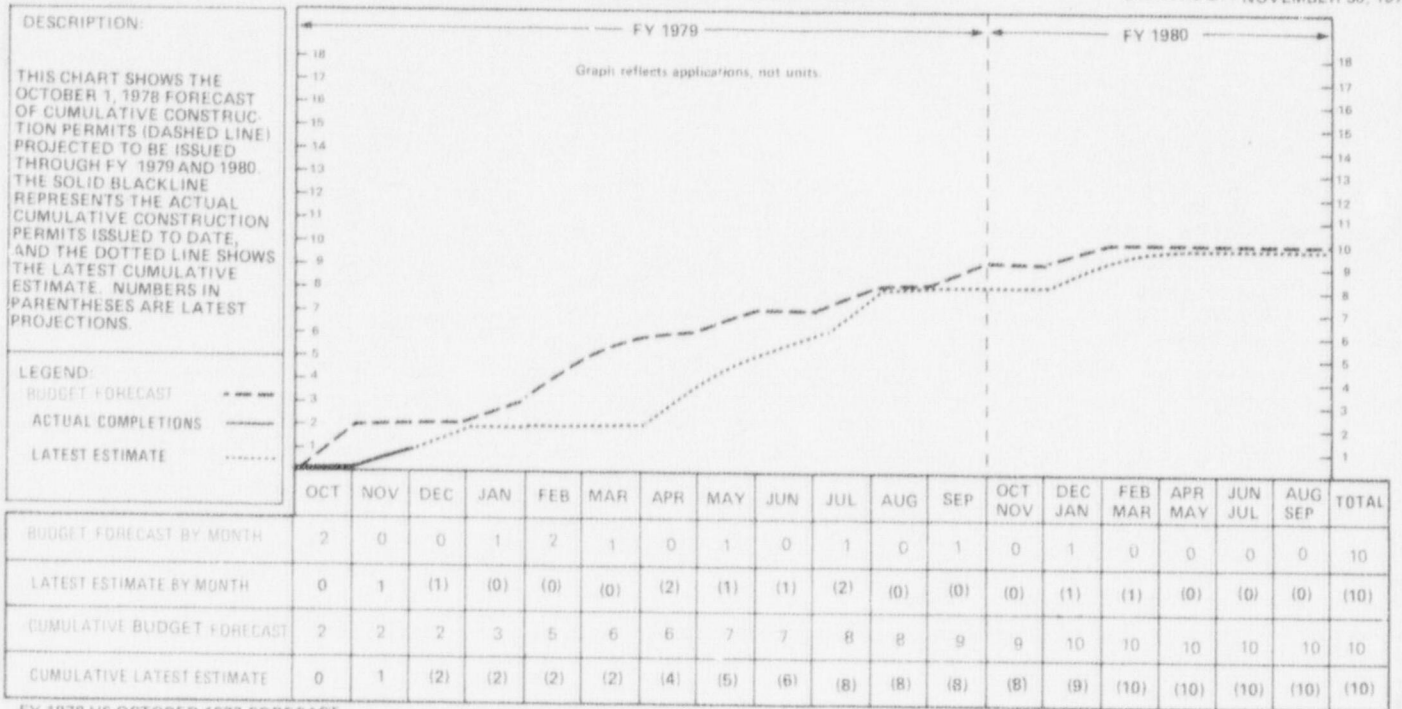
**PERRY 1 & 2 WAS GRANTED AN EXTENDED LWA-2 ON 12-31-75, AND AN AMENDMENT ON MAY 12, 1976 AND SEPT 17, 1976.

***THE WPPSS 1 LWA 1 & 2 WAS EXTENDED ON OCTOBER 2, 1976.

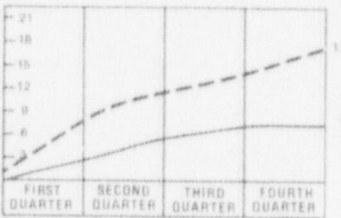
****WPPS 3 & 5 GRANTED AMENDMENT TO LWA ON MAY 10, 1977.

CONSTRUCTION PERMIT FORECAST

DATA AS OF: NOVEMBER 30, 1978



FY 1978 VS OCTOBER 1977 FORECAST



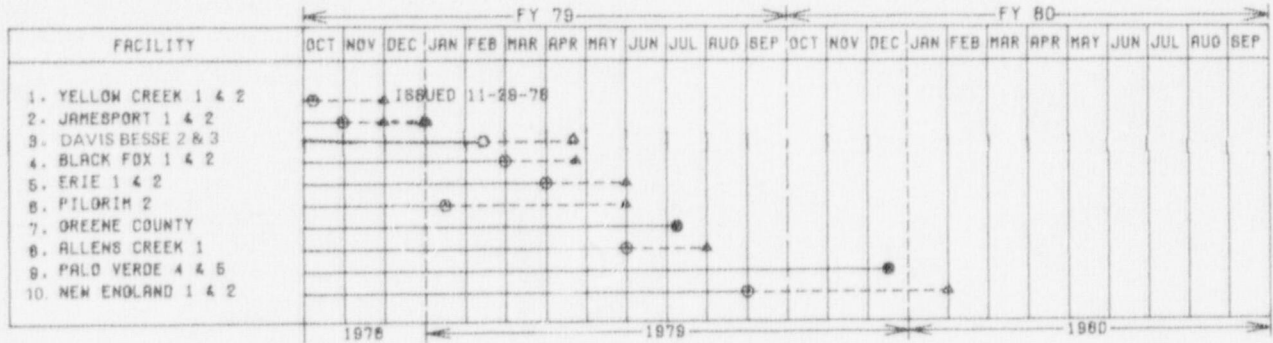
NOTES:	SUMMARY:
N/S: Currently not scheduled N/A: Schedule Terminated	1 CP application for 2 units was completed in November. 8 CP's are estimated for issuance by end of FY 1979 representing 89% of the forecast.

APPLICATIONS (MWe)	10-01-78 FORECAST	CURRENT ESTIMATE
FISCAL YEAR 1979		
YELLOW CREEK 1 & 2 (1285)	10/09/78	11/29/78
JAMESPORT 1 & 2 (1150)	10/30/78	12/30/78
DAVIS BESSE 2 & 3 (0906)	02/19/79	04/02/79
BLACK FOX 1 & 2 (1150)	02/22/79	04/20/79
ERIE 1 & 2 (1260)	03/28/79	05/25/79
PILGRIM 2 (1180)	01/15/79	06/08/79
GREENE COUNTY (1191)	07/09/79	07/09/79
ALLENS CREEK 1 (1150)	05/25/79	07/29/79
FISCAL YEAR 1980		
PALO VERDE 4 & 5 (1278)	12/14/79	12/14/79
NEW ENGLAND 1 & 2 (1150)	09/01/79	02/03/80

FORTHCOMING EVENTS - CONSTRUCTION PERMITS

(MAJOR MILESTONES FOR CPs ESTIMATED FOR ISSUANCE IN FY 79/80)

DATA AS OF: NOVEMBER 30, 1978



LEGEND

- 10/01/78 BASELINE PROJECTION
- ▲- CURRENT PDD
- △— IMPROVED SCHEDULE

N/S NOT SCHEDULED
N/A NOT IN OCTOBER 1978 FORECAST

ISSUED DURING FY 1979

FACILITY	10/01/78 FORECAST	ISSUED	VARIANCE (MONTHS)
YELLOW CREEK 1 & 2	10/08/78	11/29/78	1.8

DOCKET NUMBER	FACILITY NAME	SE SUPPL DATE	FES DATE	LWA DATE	PDD DATE
050-00466	ALLENS CREEK 1	12/15/78	COMPLETE	N/A	07/29/79
050-00556	BLACK FOX 1 & 2	COMPLETE	COMPLETE	COMPLETE	04/20/79
050-00500	DAVIS BESSE 2 & 3	01/04/78	COMPLETE	COMPLETE	04/02/78
050-00580	ERIE 1 & 2	12/20/78	11/30/78	04/08/79	05/25/79
050-00549	GREENE COUNTY	02/09/79	12/15/78	N/A	07/09/79
050-00516	JAMESPORT 1 & 2	COMPLETE	COMPLETE	N/A	11/30/78
050-00568	NEW ENGLAND 1 & 2	02/23/79	05/31/79	N/A	02/03/80
050-00592	PALO VERDE 4 & 5	05/24/79	09/08/79	N/A	12/14/79
050-00471	PILGRIM 2	12/08/78	COMPLETE	05/00/79	06/20/79
050-00488	PERKINS 1, 2, 3	COMPLETE	COMPLETE	N/A	N/S

LICENSING STATUS - CONSTRUCTION PERMITS

DATA AS OF : OCTOBER 31, 1978

NEW APPLICATION FORECAST (CPs)	CP APPLICATIONS	UNDER ACCEPTANCE REVIEW	FIRST-ROUND QUESTIONS	SECOND-ROUND QUESTIONS	ISSUE SAFETY EVALUATION	ISSUE SUPPLEMENT	DES PHASE	FES PHASE	PUBLIC HEARING PROCESS	LWA IN EFFECT	
FY 1979 NEW HAVEN 1 & 2 CENTRAL VIRGINIA 1 & 2	ALLENS CREEK 1									X	
	ATLANTIC 1 & 2										
	*BLUE HILLS 1 & 2										
	BLACK FOX 1 & 2										
	CLINCH RIVER										
	DAVIS-BESSE 2 & 3										
	+DOUGLAS POINT 1										
	ERIE 1 & 2										
	+FULTON 1 & 2										
	GREENE COUNTY										
	+GREENWOOD 2 & 3										
	JAMESPORT 1 & 2										
	HAVEN 1 & 2										
	MONTAGUE 1 & 2										
	NEW ENGLAND 1 & 2										
	*NORTH COAST										
	PALO VERDE 4 & 5										
	PEBBLE SPRINGS 1 & 2										
PERKINS 1 - 3											
PILGRIM 2											
SKAGIT 1 & 2											
SUNDESERT 1 & 2											
YELLOW CREEK 1 & 2											
	TOTALS	0	1	0	1	8	1	3	8	2	
	23 APPLICATIONS 41 UNITS										
FY 1980 INDIANA 1 & 2 CARROLL 1 & 2											

**NOT FIRM

- * CP REVIEW SUSPENDED - ESR UNDERWAY
- * CP REVIEW SUSPENDED - INDEFINITELY POSTPONED
- * ALL WORK SUSPENDED DUE TO ADVERSE ACTION BY STATE OF CALIFORNIA

CONSTRUCTION PERMIT REVIEW SLIPPAGE SUMMARY

DESCRIPTION

This chart tracks construction permit review slippage as of the start of Fiscal Year 1979.

SHOWN IN MONTHS

NUMBERS IN PARENTHESES SHOW CUMULATIVE SLIPS PER REVIEW

DATA AS OF: NOVEMBER 3, 1978

CONSTRUCTION PERMIT REVIEWS	12-31-78 BASELINE	LATEST ESTIMATE	APPLICANT RELATED	NFC RELATED	STATE RELATED	ACRS RELATED	HEARING RELATED	SEISMIC-LOGICAL	TECHNICAL-LOGICAL	OTHER	TOTAL SLIPPAGE
ALLENS CREEK 1	05-29-79	05-29-79									
BLACK FOX 162	02-22-79	02-22-79									
DAVIS BESSE 263	02-19-79	02-19-79									
ERIE 162	03-28-79	04-30-79	1.								1.0 (1)
GREEN COUNTY	07-04-79	07-09-79									
JAMESPORT 162	11-30-78	11-30-78								1.0	1.0 (1)
NEW ENGLAND 162	09-01-79	02-03-80	5.0								5.0 (1)
PILGRIM 2	01-15-79	02-28-79	1.5								1.5 (1)
PAID VFRDF 465	12-14-79	12-14-79									
YELLOW CREEK 162	11-09-78	11-30-78	1.7								1.7 (1)
		TOTALS	9.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.2 (5)

** REASSESSMENT OF TABLE 5-3

TO BE UPDATED NEXT ISSUE

CONSTRUCTION PERMIT REVIEW DURATION SUMMARY

(DURATIONS OF MAJOR ACTIVITIES FOR APPLICATIONS DOCKETED IN FISCAL YEARS 1970-1979)

DESCRIPTION:

THIS CHART REPRESENTS DURATIONS (IN MONTHS) OF MAJOR ACTIVITIES FOR CP APPLICATIONS DOCKETED IN FISCAL YEARS 1970 THROUGH 1977. REVIEWS ARE LISTED IN CHRONOLOGICAL ORDER BY DOCKET DATE.

DURATION (MONTHS)

APPLICATION	PSAB	ER	SE_SUPP	EES	LWA	CP	SAF. REV.	ENV. REV.	LWA REV.	CP REV.	START CONSTR.
EY 1974											
SEABROOK 1 & 2	07-09-73	07-09-73	11-14-75	12-06-74	----	07-07-76	28.1	16.9	----	35.9	35.9
COMANCHE PEAK 1 & 2	07-20-73	07-20-73	11-15-74	06-07-74	10-17-74	12-19-74	15.8	10.5	14.9	16.9	14.9
DOUGLAS POINT 1 & 2	08-09-73	08-09-73	OPEN	03-04-76	----	OPEN	----	30.8	----	----	----
WASHINGTON NUCLEAR 1	10-18-73	08-20-73	10-15-75	03-10-75	08-01-75	12-24-75	23.9	18.6	23.3	26.2	23.3
GREENWOOD 2 & 3	09-17-73	09-07-73	OPEN	11-25-74	OPEN	OPEN	----	14.6	----	----	----
RYRON 1 & 2	09-20-73	09-20-73	10-17-75	07-25-74	12-13-74	12-31-75	24.9	10.1	14.7	27.3	14.7
WASHINGTON NUCLEAR 4	10-18-73	08-20-73	08-06-76	----	08-01-75	02-21-78	33.6	----	23.3	52.1	23.3
PRAIRIEWOOD 1 & 2	09-20-73	09-20-73	10-17-75	07-19-74	01-14-75	12-31-75	24.9	9.9	15.8	27.3	15.8
RIVER BEND 1 & 2	09-24-73	09-21-73	12-22-75	10-02-74	09-05-75	03-25-77	26.9	12.3	23.4	42.0	23.4
CLINTON 1 & 2	10-30-73	10-30-73	12-02-75	10-04-74	10-01-75	02-24-76	25.0	11.1	23.0	27.8	23.0
FULTON 1 & 2	11-16-73	11-14-73	06-30-75	05-05-75	----	OPEN	19.4	17.7	----	----	----
ALLENS CREEK 1	12-07-73	12-07-73	12-15-78*	11-18-74	----	07-29-79*	60.2	11.3	----	67.7	67.7
PILGRIM 2	12-21-73	12-21-73	12-08-78*	05-27-75	05-00-79*	06-00-79*	59.5	17.2	64.3	65.3	64.3
QUANICASSSEE 1 & 2	02-28-74	02-11-74	----	----	OPEN	OPEN	----	----	----	----	----
ATLANTIC 1 & 2	03-01-74	03-01-74	OPEN	OPEN	----	OPEN	----	----	----	----	----
WOLF CREEK 1	07-26-74	05-17-74	11-29-76	10-31-75	01-24-77	05-17-77	28.1	17.4	32.2	33.7	32.2
CHEROKEE 1,2,3	05-24-74	06-28-74	07-11-77	10-01-75	05-28-76	12-30-77	37.5	15.1	23.0	43.2	23.0
PERKINS 1,2,3	05-24-74	06-28-74	07-11-77	10-21-75	----	03-00-79*	37.5	15.7	----	57.2	57.2
CALLAWAY 1 & 2	06-21-74	07-30-74	01-23-76	03-21-75	08-14-75	04-16-76	19.0	7.7	12.4	21.8	12.4
STERLING 1	06-21-74	12-20-74	12-01-76	06-28-76	----	09-01-77	29.3	18.2	----	38.3	38.3
TYRONE 1	06-21-74	08-29-74	12-01-76	04-28-77	----	12-27-77	29.3	31.9	----	42.2	42.2
EY 1975											
SOUTH TEXAS 1 & 2	07-05-74	07-05-74	10-29-75	03-28-75	08-12-75	12-22-75	15.8	8.7	13.2	17.5	13.2
MONTAGUE 1 & 2	07-12-74	07-12-74	OPEN	02-22-77	----	OPEN	----	31.3	----	----	13.2
WASHINGTON NUCLEAR 305	08-02-74	09-30-74	04-22-77	06-03-75	04-08-77	04-11-78	32.6	8.1	30.2	44.3	30.2
PEBBLE SPRINGS 1 & 2	10-18-74	08-06-74	01-15-79*	04-16-75	OPEN	OPEN	50.9	8.3	----	----	----
DAVIS BESSIE 2 & 3	08-16-74	08-09-74	01-04-78*	09-29-75	12-31-75	04-02-78*	40.6	13.6	16.7	43.5	16.7
BLUE HILLS 1 & 2	08-23-74	OPEN	OPEN	OPEN	----	----	----	----	----	----	----
KOSHKONGONG 1 & 2	05-26-74	09-06-74	07-02-76	OPEN	----	OPEN	22.2	----	----	----	----
JAMESPORT 1 & 2	09-06-74	09-17-74	01-17-77	10-07-75	----	OPEN	28.3	12.6	----	50.8	50.8
HARTSVILLE A1,A2,B1,B2	11-22-74	09-13-74	10-20-76	06-25-75	04-22-76	05-09-77	22.9	9.4	19.3	29.5	19.3
BARTON 1 & 2	09-27-74	11-15-74	OPEN	OPEN	----	OPEN	----	----	----	----	----
SKAGIT 1 & 2	01-15-75	09-30-74	10-20-78	06-02-75	OPEN	OPEN	45.1	8.0	----	----	----
PALO VERDE 1,2,3	10-07-74	10-07-74	04-08-76	09-25-75	----	05-25-76	18.0	11.6	----	19.6	19.6
NORTH COAST N.S.	01-27-75	01-27-75	----	04-26-77	----	OPEN	----	26.9	----	----	----
CLINCH RIVER	06-13-75	04-11-75	OPEN	02-07-77	OPEN	OPEN	----	21.8	----	----	----
EY 1976											
FORT CALHOUN 2	09-11-75	01-26-76	OPEN	03-13-78	----	----	----	25.5	----	----	----
MARBLE HILL 1 & 2	09-17-75	09-11-75	07-22-77	09-22-76	08-24-77	04-04-78	22.1	12.3	23.4	30.5	23.4
GREENE COUNTY	01-26-76	09-15-75	02-09-79*	12-15-78*	----	07-09-79*	36.4	39.0	----	41.4	45.8
PHIPPS BEND 1 & 2	11-07-75	04-01-76	09-23-77	02-17-77	10-18-77	01-16-78	22.5	10.5	18.5	26.3	18.5
BLACK FOX 1 & 2	12-23-75	12-23-75	09-05-78	02-08-77	07-26-78	04-20-79*	32.4	13.5	31.1	39.9	31.1
YELLOW CREEK 1 & 2	07-16-76	12-20-76	06-27-78	11-28-77	02-09-78	11-29-78	23.3	11.2	13.6	28.4	13.6
NEW ENGLAND 1 & 2	09-09-76	09-09-76	02-23-79*	05-31-79*	----	02-03-80*	29.4	32.7	----	40.8	40.8
EY 1977											
ERIE 1 & 2	03-01-77	05-02-77	12-20-78*	11-30-78*	04-08-79*	05-25-79*	21.6	18.9	23.2	26.8	23.2
SUNDESERT 1 & 2	04-26-77	04-12-77	OPEN	10-24-78	OPEN	OPEN	----	18.4	----	----	----
EY 1978											
PALO VERDE 4 & 5	03-31-78	10-30-78*	05-24-79*	09-00-79*	----	12-14-79*	13.7	10.0	----	20.4	20.4

AVERAGES BY FISCAL YEAR

FISCAL YEAR CASE DOCKETED	SAFETY REVIEW (NUMBER OF CASES)	ENVIRONMENTAL REVIEW (NUMBER OF CASES)	LWA REVIEW (NUMBER OF CASES)	CP REVIEW (NUMBER OF CASES)	START OF CONSTRUCTION (NUMBER OF CASES)
1974	30.7 (17)	15.9 (18)	24.5 (11)	39.0 (16)	32.0 (16)
1975	30.7 (9)	14.6 (11)	19.9 (4)	34.2 (6)	25.0 (6)
1976	27.7 (6)	20.7 (7)	21.6 (4)	34.5 (6)	28.9 (6)
1977	21.6 (1)	18.6 (2)	23.2 (1)	26.8 (1)	23.2 (1)
1978	13.7	10.0		20.4 (1)	20.4 (1)

*ACTIVITY NOT YET COMPLETED

**EXEMPTION

DATA AS OF: NOVEMBER 30, 1978

SAFETY EVALUATION SUPPLEMENT DURATION SUMMARY
 (DURATIONS FOR FINAL SE SUPPLEMENTS ISSUED FOR CP REVIEWS DURING FY 1972-1979)

SE SUPPLEMENTS BY FISCAL YEAR

APPLICATION	SAR DOCKETED	SE SUPPL.	DURATION (MONTHS)
FY 1974			
NINE MILE POINT 2 (1100)	06/15/72C	08/07/73C	13.7
BAILLY 1 (0645)	08/24/70C	10/31/73C	38.2
CATAMBA 1 & 2 (1145)	10/27/72C	01/21/74C	16.8
WATERFORD 3 (1113)	12/19/70C	02/01/74C	37.4
NORTH ANNA 3 & 4 (0907)	09/15/71C	02/28/74C	29.4
HOPPE CREEK 1 & 2 (1067)	02/27/70C	03/01/74C	48.1
BEAVER VALLEY 2 (0852)	10/25/72C	04/23/74C	18.1
VOGTE 1 & 2 (1113)	02/13/73C	05/01/74C	14.6
MILLSTONE 3 (1156)	02/10/73C	05/16/74C	15.2
FY 1975			
GRAND GULF 1 & 2 (1250)	11/17/72C	07/24/74C	20.2
BELLEFDNTE 1 & 2 (1213)	06/21/73C	08/30/74C	14.3
SURRY 3 & 4 (0859)	05/29/73C	09/03/74C	15.1
COMANCHE PEAK 1 & 2 (1150)	07/20/73C	11/15/74C	15.8
FULTON 1 & 2 (1160)	11/16/73C	06/30/75C	19.4
FY 1976			
WASHINGTON NUCLEAR 1 (1218)	10/18/73C	10/15/75C	23.9
BRAIDWOOD 1 & 2 (1120)	09/20/73C	10/17/75C	24.9
BYRON 1 & 2 (1120)	09/20/73C	10/17/75C	24.9
SOUTH TEXAS 1 & 2 (1250)	07/05/74C	10/29/75C	15.8
SEABROOK 1 & 2 (1200)	07/09/73C	11/14/75C	28.1
CLINTON 1 & 2 (0933)	10/30/73C	12/02/75C	25.0
RIVER BEND 1 & 2 (0934)	09/24/73C	12/22/75C	26.9
CALLAWAY 1 & 2 (1120)	06/21/74C	01/23/76C	19.0
PALO VERDE 1,2,3 (1270)	10/07/74C	04/08/76C	18.0
ST LUCIE 2 (0810)	05/15/73C	04/27/76C	35.4
KOSHKONGONG 1 (0900)	08/26/74C	07/02/76C	22.2
WASHINGTON NUCLEAR 4 (1215)	10/18/73C	08/06/76C	33.6
FY 1977			
HARTSVILLE A1,A2,B1,B2 (1233)	11/22/74C	10/20/76C	22.9
WOLF CREEK 1 (1150)	07/26/74C	11/29/76C	25.1
STERLING 1 (1150)	06/21/74C	12/01/76C	29.3
TYRONE 1 (1150)	06/21/74C	12/01/76C	29.3
JAMESPORT 1 & 2 (1150)	09/06/74C	01/17/77C	28.3
PERRY 1 & 2 (1205)	06/25/73C	02/22/77C	43.9
WASHINGTON NUCLEAR 345 (1242)	08/02/74C	04/22/77C	32.6
CHEROKEE 1,2,3 (1280)	05/24/74C	07/11/77C	37.5
PERKINS 1,2,3 (1280)	05/24/74C	07/11/77C	37.5
MARBLE HILL 1 & 2 (1130)	09/17/73C	07/22/77C	22.1
HARRIS 1,2,3,4 (0900)	09/17/73C	09/20/77C	22.1
PHIPPS BEND 1 & 2 (1233)	11/07/73C	09/23/77C	22.9
FY 1978			
YELLOW CREEK 1 & 2 (1285)	07/16/76C	06/27/78C	23.3
BLACK FOX 1 & 2 (1150)	12/23/75C	09/05/78C	32.4
FY 1978			
SKAGIT 1 & 2 (1277)	01/15/75C	10/20/78C	45.1

AVERAGES BY FISCAL YEAR		
YEAR	ISSUED	AVERAGE (IN MONTHS)
FY 1974	(09)	25.5
FY 1975	(05)	16.9
FY 1976	(12)	24.8
FY 1977	(12)	33.8
FY 1978	(02)	27.8
FY 1979	(01)	45.1

NOVEMBER 30, 1978

FINAL ENVIRONMENTAL STATEMENT DURATION SUMMARY
(DURATIONS FOR FES ISSUANCES FOR CP REVIEWS DURING FY 1973-1979)

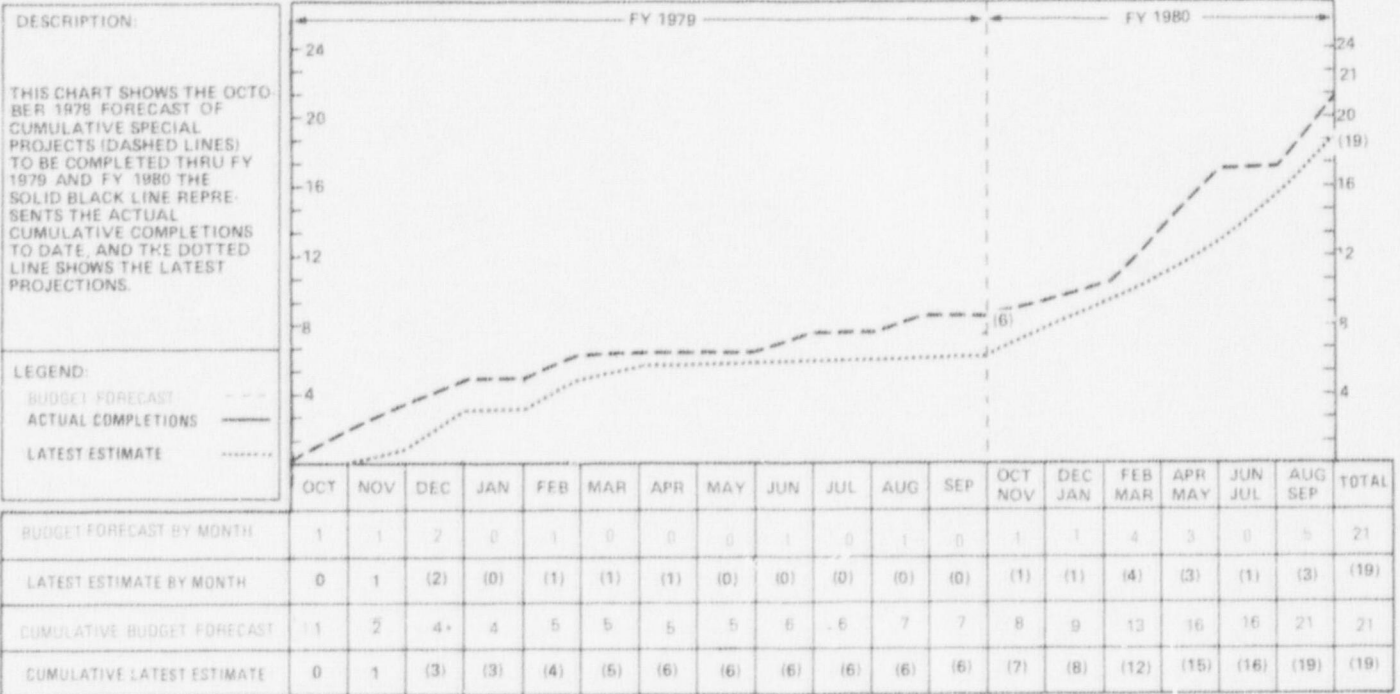
APPLICATION	ER DOCKETED	FES	DURATION (MONTHS)
FY 1974			
BEAVER VALLEY 2 (0852)	10/26/72C	07/19/73C	8.9
GRAND GULF 1 & 2 (1250)	11/17/72C	05/22/73C	9.1
LIMERICK 1 & 2 (1065)	10/30/70C	11/12/73C	36.4
CATAWBA 1 & 2 (1145)	10/27/72C	12/07/73C	13.3
MILLSTONE 3 (1156)	02/10/73C	02/07/74C	11.9
HOPE CREEK 1 & 2 (1067)	01/26/71C	02/19/74C	36.7
VOOTLE 1 & 2 (1113)	02/13/73C	03/08/74C	12.8
HARRIS 1,2,3,4 (0900)	09/07/71C	03/29/74C	30.7
PERRY 1 & 2 (1205)	06/25/73C	04/09/74C	9.4
ST LUCIE 2 (0810)	08/31/73C	05/16/74C	8.5
SUBRY 3 & 4 (0859)	09/16/73C	05/31/74C	8.5
COHANOCHE PEAK 1 & 2 (1150)	07/20/73C	06/07/74C	10.5
BELLEFONTE 1 & 2 (1213)	06/21/73C	06/10/74C	11.6
FY 1975			
BRAIDWOOD 1 & 2 (1120)	09/20/73C	07/19/74C	9.9
BYRON 1 & 2 (1120)	09/20/73C	07/25/74C	10.1
RIVER BEND 1 & 2 (0934)	09/21/73C	10/02/74C	12.3
CLINTON 1 & 2 (0933)	10/30/73C	10/04/74C	11.1
ALLENS CREEK 1 (1150)	12/07/73C	11/18/74C	11.3
GREENWOOD 2 & 3 (1200)	09/07/73C	11/25/74C	14.6
SEABROOK 1 & 2 (1200)	07/09/73C	12/06/74C	16.9
WASHINGTON NUCLEAR 1 (1218)	08/20/73C	03/10/75C	18.6
CALLAWAY 1 & 2 (1120)	07/30/74C	03/21/75C	7.7
SOUTH TEXAS 1 & 2 (1250)	07/05/74C	03/28/75C	8.7
PEBBLE SPRINGS 1 & 2 (1260)	08/06/74C	04/16/75C	8.3
FULTON 1 & 2 (1160)	11/14/73C	05/05/75C	17.7
PILGRIM 2 (1180)	12/21/73C	05/27/75C	17.2
SKAGIT 1 & 2 (1277)	09/30/74C	06/02/75C	8.0
WASHINGTON NUCLEAR 3&5 (1242)	09/30/74C	06/03/75C	8.1
HARTSVILLE A1,A2,B1,B2 (1233)	09/13/74C	06/25/75C	9.4
FY 1976			
PALO VERDE 1,2,3 (1270)	10/07/74C	09/25/75C	11.6
DAVIS BERSE 2 & 3 (0906)	08/09/74C	09/29/75C	13.6
CHEROKEE 1,2,3 (1280)	06/28/74C	10/01/75C	15.1
JAMESPORT 1 & 2 (1150)	09/17/74C	10/07/75C	12.6
PERKINS 1,2,3 (1280)	06/28/74C	10/21/75C	15.7
WOLF CREEK 1 (1150)	05/17/74C	10/31/75C	17.4
STERLING 1 (1150)	12/20/74C	06/28/76C	18.2
MARBLE HILL 1 & 2 (1130)	09/11/75C	09/22/76C	12.3
FY 1977			
CLINCH RIVER (0350)	04/11/75C	02/07/77C	21.8
BLACK FOX 1 & 2 (1150)	12/23/75C	02/08/77C	13.5
PHIPPS BEND 1 & 2 (1233)	04/01/76C	02/17/77C	10.5
MONTAQUE 1 & 2 (1150)	07/12/74C	02/22/77C	31.3
TYRONE 1 (1150)	08/29/74C	04/28/77C	31.9
FY 1978			
YELLOW CREEK 1 & 2 (1285)	12/20/76C	11/28/77C	11.2
FY 1979			
SUNDESERT 1 & 2 (0974)	04/12/77C	10/24/78C	18.4

AVERAGES BY FISCAL YEAR		
YEAR	ISSUED	AVERAGE (IN MONTHS)
FY 1974	(13)	16.0
FY 1975	(16)	11.8
FY 1976	(08)	14.5
FY 1978	(01)	11.2
FY 1979	(01)	18.4

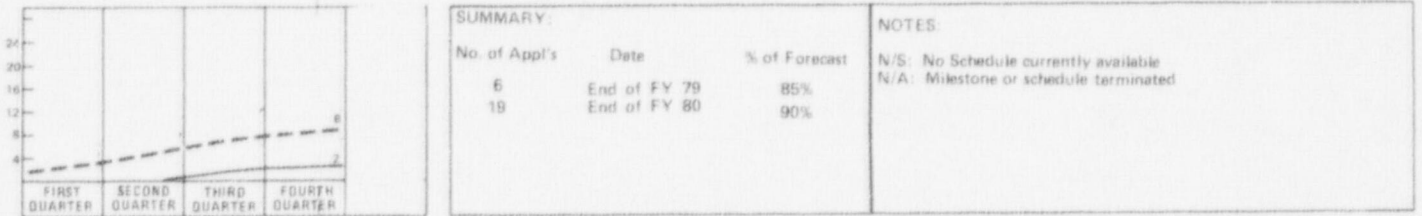
NOVEMBER 30, 1978

SPECIAL PROJECTS FORECAST

DATA AS OF: NOVEMBER 30, 1978



FY 1978 VS OCTOBER 1977 FORECAST



DOCKET NUMBER	FACILITY NAME	BASELINE DATE	CURRENT DATE
FY 79			
000-00607	(SPC)*SFJIS & G (0000)	10/31/78	11/03/78
050-00572	(NS5)*RESAR-414 (1500)	12/15/78	12/15/78
050-07510	(ESR)*BLUE HILLS SITE (0918)	12/31/78	12/31/78
000-00595	(BDP)*SWESSAR/BSAR-205 (1500)	11/06/78	02/15/79
000-07448	(SPC)*SPFFTF FSAR (0400)	06/01/79	03/01/79
050-00560	(SPC)*FPA)BDPSSAR/BSAR-205 (0000)	02/05/79	04/01/79
FY 80			
000-07450	(LES)*SUMMIT SITE (0000)	11/00/79	11/00/79
050-00504	(BDP)*GIBBSSAR (W) (0000)	01/30/80	01/15/80
000-00591	(BDP)*FPA)ESSAR/BSAR-205 (0000)	02/15/80	02/15/80
050-00541	(BDP)*FPA)ESSAR/CESSAR (0000)	02/15/80	02/15/80
000-01591	(BDP)*FPA)ESSAR/RESAR-414 (0000)	02/15/80	02/15/80
999-90131	(PDS)*FPA)BRALHSSAR EXT (0000)	03/00/80	03/00/80
000-07559	(ESR)*CARROLL SITE (1100)	05/00/80	05/00/80
000-02463	(ESR)*FULTON SITE (0000)	05/00/80	05/00/80
999-90326	(ESR)*TVA ESR 1 (0000)	05/00/80	03/00/80
050-00470	(SPC)*FPA)CESSAR SYSTEM R0 (1295)	09/00/80	06/00/80
999-90321	(PDS)*SP)LMFBR VAR PSID 2* (0000)	08/00/80	05/00/80
999-90303	(PDS)*SP)SL5*-MOD* (0000)	08/00/80	08/00/80
000-07657	(ESR)*NEW HAVEN/STUV. ALT. (0000)	08/00/80	08/00/80
050-00545	(SPC)*GIBBSSAR (0000)	08/00/79	10/02/80
999-90301	(PDS)*FPA)GIBBSSAR/BSAR-205 (0000)	09/00/80	11/00/80
000-07470	(PDS)*FPA)CESSAR SYSTEM R0 (0000)	09/00/80	N/S
000-07564	(PDS)*ESR)STANISLAUS SITE (0000)	04/00/79	N/S

LICENSING STATUS - SPECIAL PROJECTS

DATA AS OF : NOVEMBER 30, 1978

THIS CHART SHOWS THE REVIEW STAGE FOR ALL SPECIAL PROJECTS IN-HOUSE.

NEW APPLICATION FORECAST	SPECIAL PROJECTS UNDER REVIEW	REVIEW STAGES						
		FIRST-ROUND QUESTIONS	SECOND-ROUND QUESTIONS	ISSUE SAFETY EVALUATION	ISSUE SUPPLEMENT	DES PHASE	FES PHASE	PUBLIC HEARING PROCESS
CARROLL SITE								
FULTON SITE								
SUMMIT SITE								
TVA ESR 1								
NEW HAVEN/STUV. ALT.								
GCFR SITE*								
NEW MEXICO SITE*								
BALTIMORE SITE	*BLUE HILLS							X
TVA ESR 2								
WASHINGTON SITE								
GIBBSAR (BSAR-205)	BDPSAR REVISION				X			
BDPSSAR/BSAR-2 5 EXT	CESSAR SYSTEM RD	--X						
	ESSAR/B-SAR-205	--X						
GIBBSAR/CESSAR	ESSAR/CESSAR	--X						
BDPSSAR/CESSAR*								
LMFBR VAR. PSD 2*	ESSAR/RESAR 414	--X						
SLSF-MOD*								
GCFB PSD 1*	FFTF					X		
PWR (THORIUM CORE)*	FNP 1-B (SP)					X	X	X
AIW-A ADVANCED CORE*								
LMFBR VAR. PSD 3*								
	GAISSAR	SCHEDULE TO BE DEVELOPED						
	GIBBSAR (W)	--X						
	NORTH COAST ESR					X		X
	RESAR 414				X			
	SBG (SP)					X		
	SWESSAR/B-205				X			
	WOOD LESR	SCHEDULE BEING DEVELOPED						

* Date Not Firm

15 SPECIAL PROJECTS 5 0 3 4 0 1 3
 * CP REVIEW SUSPENDED, SITE STUDY REVIEW BEING CONDUCTED

SECTION VI - ACRS & PUBLIC HEARINGS

ACRS FORECAST

DAY	NAME	STAGE/TYPE	DUCKET NO.	ACTIVITY	DAY	TASK NO.	TYPE	ACTIVITY	
JAN					01	RB009-6	00	SC	
					01	SB718-4	00	SC	
					10	RB060-0	00	SC	
					18	RB042-2	00	SC	
					17	SB613-4	00	SC	
FEB	00	BALER 2	DL/PWR	06000311	FC	06	RB060-0	00	FC
	08	ZIMMER 1	DL/BWR	06000366	FC	23	FP004-4	00	SC
	16	SEQUYAH 1 & 2	DL/PWR	06000327	SC	23	FP006-4	00	SC
MAR	06	SEQUYAH 1 & 2	DL/PWR	06000327	FC	07	SB613-4	00	FC
					07	SC713-1	RD	FC	
APR	08	LABALLE 1 & 2	DL/BWR	06000373	FC	04	SC000-3	RD	FC
	08	PALO VERDE 4 & 5	CP/PWR	06000692	FC	06	RB042-2	00	FC
	08	SAN ONDRE 2 & 3	DL/PWR	06000361	FC	10	SB008-1	RD	FC
	08	SHOREHAM	DL/BWR	06000322	FC	18	FP001-4	00	SC
MAY					30	SB004-5	00	SC	
JUN	07	MILAND 1 & 2	DL/PWR	06000350	FC				

FC=FULL COMMITTEE
SC=SUBCOMMITTEE
AFC=ADDITIONAL FULL COMMITTEE

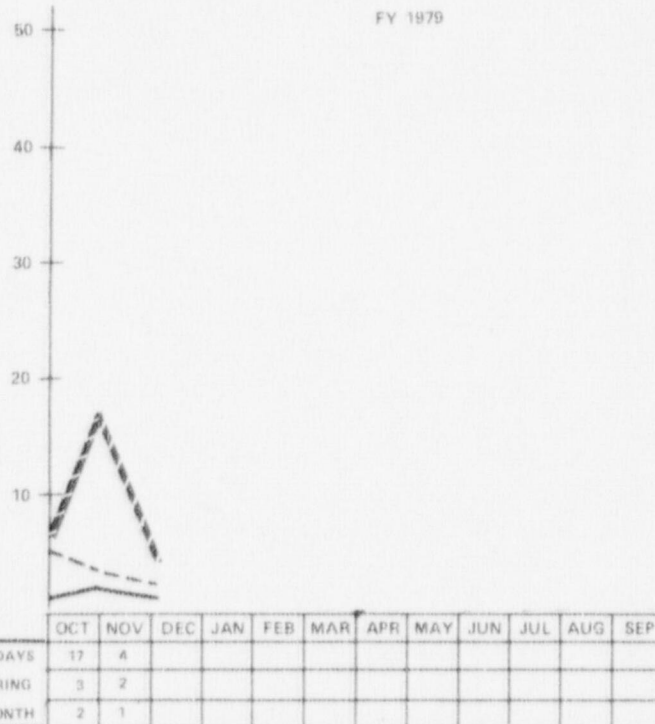
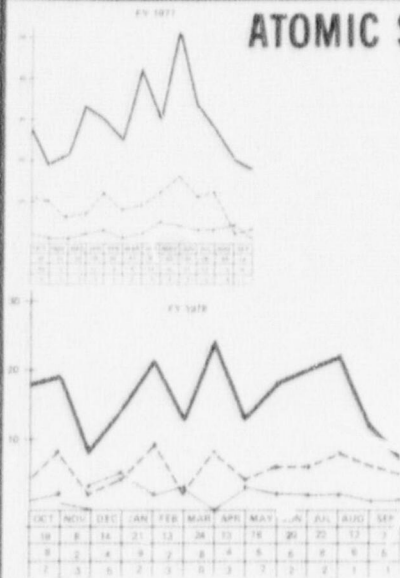
- FP001-4 DESIGN, TESTING & MAINTENANCE CRITERIA FOR EXHAUST FILTRATION AND ADSORPTION UNITS
- FP004-4 ISFI SITING
- FP005-4 ISFI DESIGN
- RS042-2 RG 1.89- QUALIFICATION OF CLASS 1E EQUIPMENT FOR NUCLEAR POWER PLANTS
- RS050-2 QUALIFICATION TESTS OF CLASS 1E CABLES, CONNECTORS AND FIELD SPLICES
- RS009-5 CABLE PENETRATION FIRE STOP QUALIFICATION TEST FOR NUCLEAR POWER PLANTS
- SC020-3 REVISION TO 10 CFA 50, APPENDIX J, CONTAINMENT LEAKAGE TESTING
- SC713-1 REVISION OF APPENDICES G AND H TO 10 CFR 50
- SD068-1 REV. TO 10CFR PART 50, MAINTAINING EMERGENCY PLANS
- SS604-9 EXTREME WIND SPEEDS IN COASTAL AREAS FOR THE DESIGN AND OPERATION OF NPP'S
- SS613-4 R.G. 1.135-NORMAL WATER LEVEL AND DISCHARGE AT NUCLEAR POWER PLANTS
- SS718-4 PROCEDURES AND CRITERIA FOR ASSESSING SOIL LIQUEFACTION POTENTIAL AT NUCLEAR FACILITY SITES
- SS718-4 PROCEDURES AND CRITERIA FOR ASSESSING SOIL LIQUEFACTION POTENTIAL AT NUCLEAR FACILITY SITES

ATOMIC SAFETY & LICENSING BOARD PANEL MONTHLY ACTIVITY

DECISIONS RENDERED DURING NOVEMBER

Yellow Creek 1 & 2

The Board issued an initial decision authorizing the Tennessee Valley Authority to construct Units 1 & 2, located in Tishomingo County, Miss.



DESCRIPTION

This chart graphs the number of hearing days during the month, the number of applications on which hearings were held during the month, and the number of licensing board decisions rendered during the month. Correlation among the three categories is non-existent. A single chart was chosen for presentation in order to conserve space.

KEY/LEGEND

NUMBER OF HEARING DAYS

APPLICATIONS UNDER HEARING

DECISIONS RENDERED

SUMMARY OF HEARINGS ON PENDING APPLICATIONS

Summary of Hearings on
Pending Applications

NOVEMBER 30, 1978

Docketed Applications

Construction Permit Reviews

24 pending CP issuance
20 contested
3 uncontested - hearing mandatory
1 petition pending
0 noticed - intervention period not expired
0 to be noticed

Operating License Reviews

19 pending OL issuance
5 contested
9 uncontested - no hearing required
2 petitions pending
2 to be noticed
1 Intervention Period not expired.

Other Facility Proceedings

21 pending
20 contested
1 petitions pending
0 to be noticed

Antitrust Proceedings

8 pending
8 contested
0 petitions pending

Final agency Action not taken as of 07-30-78 - CP or OL issued:

13 CP reviews
1 Other Facility Proceeding
2 OL reviews

Applications Tendered - Not Yet Docketed

0

SUMMARY OF HEARINGS ON PENDING APPLICATIONS

CONSTRUCTION PERMIT REVIEWS (25 pending CP issuance) (Docketed)

Contested - (20)

*Atlantic 1 & 2
 *Ba ton 1 & 2
 Black Fox 1 & 2
 Clinch River
 *Douglas Point 1
 Erie 1 & 2
 *Fulton 1 & 2
 Greene County
 *Greenwood 2 & 3
 Jamesport 1 & 2
 Haven 1 & 2
 Montague 1 & 2
 New England 1 & 2
 **North Coast
 *Pebble Springs 1 & 2
 Perkins 1 - 3
 Pilgrim 2
 Skagit 1 & 2
 *Summit 1 (Contested by States as full parties)
 Sundesert 1 & 2

Petitions Pending - (1)

Salto Verde 4 & 5 (CP)

Noticed - Intervention period not yet over - (0)

To Be Noticed - (0)

*Project Delayed
 **Project Delayed Site Study Underway

APPLICATIONS TENDERED, NOT YET DOCKETED-(0)

OPERATING LICENSE REVIEWS (19 pending OL issuance) (Docketed)

Contested-(5)

Diablo Canyon 1 & 2
 McGuire 1 & 2
 San Onofre 2 & 3
 Shoreham
 Zimmer 1

Petitions Pending - (2)

Fermi 2
 South Texas 1 & 2
 Noticed - Intervention Period not yet over.
 Susquehanna 1 & 2

To Be Noticed - (7)

Comanche Peak 1 & 2
 Midland 1 & 2
 *Intervention requested, subsequently denied, withdrawn, or settled

Uncontested - (3)

Allens Creek 1
 **Blue Hills 1 & 2
 Davis Besse 2 & 3

ANTITRUST PROCEEDINGS PENDING (6-pending)

Contested - (8)

Farley 1 & 2 Remand to Licensing Bd.
 Davis-Besse/Perry 1 & 2 (under appeal)
 Erie 1 & 2
 Midland 1 & 2 (Under Appeal)
 South Texas 1 & 2
 Stanislaus 1
 St. Lucie 2

Petitions Pending - (0)

FINAL AGENCY ACTION NOT TAKEN AS OF 07-30-78 - CP OR OL ISSUED:

CP Issued - (13)

Cherokee 1-3
 Harris 1-4
 Hope Creek 1 & 2
 Phipps Bend 1 & 2
 Seabrook 1 & 2
 Sterling 1
 Marble Hill 1 & 2
 Tyrone 1
 WPPSS 1
 WPPSS 4
 Wolf Creek
 WPPSS 3 & 5
 Yellow Creek 1 & 2

Other Facility Proceedings (1)

Ft. Calhoun 2 (LESR)
 OL Reviews (2)
 North Anna 1 & 2
 Three Mile Island 2

OTHER FACILITY PROCEEDINGS PENDING (21 pending)

Contested - (20)

Floating Nuclear Plant 1 - B
 Ginna (FTL) stipulation pending before ASLB
 Monticello (FTL)
 Oyster Creek (FTL)
 Robinson 2 (Sec. B/Env)
 Prairie Island 1 & 2 (Spent Fuel Storage Expansion)
 Indian Point 3 (Once Through Cooling)
 Midland 1 & 2 (Remand/Court of Appeals)
 Vermont Yankee (Remand/Court of Appeals)
 Barnwell (Sec B/OL)
 Barnwell (FRSS-Spent Fuel Storage Station)
 Big Rock Point
 NFS (CP for mods and OL)
 Exxon (FRP)
 Trojan
 Kewaunee
 Point Beach 1 & 2
 Salem 1
 Sheffield LLW Burial
 LaCrosse (FTL Conversion)

Petitions Pending - (1)

Humboldt Bay (Amendment)

To Be Noticed - (0)

CONSTRUCTION PERMIT
HEARING STATUS

CP HEARING STAGES

	TO BE NOTICED	PETITION PENDING	AWAITING SER SUPPLEMENT	AWAITING FES	SAFETY HEARING	ENVIRONMENTAL HEARING	AWAITING SER INITIAL DECISION	AWAITING ENVIRO INITIAL DECISION	AWAITING FINAL AGENCY ACTION
ALLEN CREEK 1		X					X		
BLACK FOX 1&2				X			X		
DAVIS BESSE 2&3		X					X		
ERIE 1&2		X	X		X				
GREENE COUNTY									
HAVEN 1	X								
JAMESPORT 1&2						X	X		
NEW ENGLAND 1&2									
PALO VERDE 4&5	X								
PEBBLE SPRINGS 1&2						X	X		
PERKINS 1,3						X	X		
PILGRIM 2		X					X		
SKAGIT 1&2		X			X				
SUNDESERT	X	X					X		
YELLOW CREEK								X	
	0	3	7	1	1	2	4	8	0

DELAY STATUS

- ATLANTIC 1&2
- CLINCH RIVER
- DOUGLAS POINT 1
- ERIE 1&2
- FULTON 1&2
- GREENWOOD 2&3

OPERATING LICENSE

HEARING STATUS

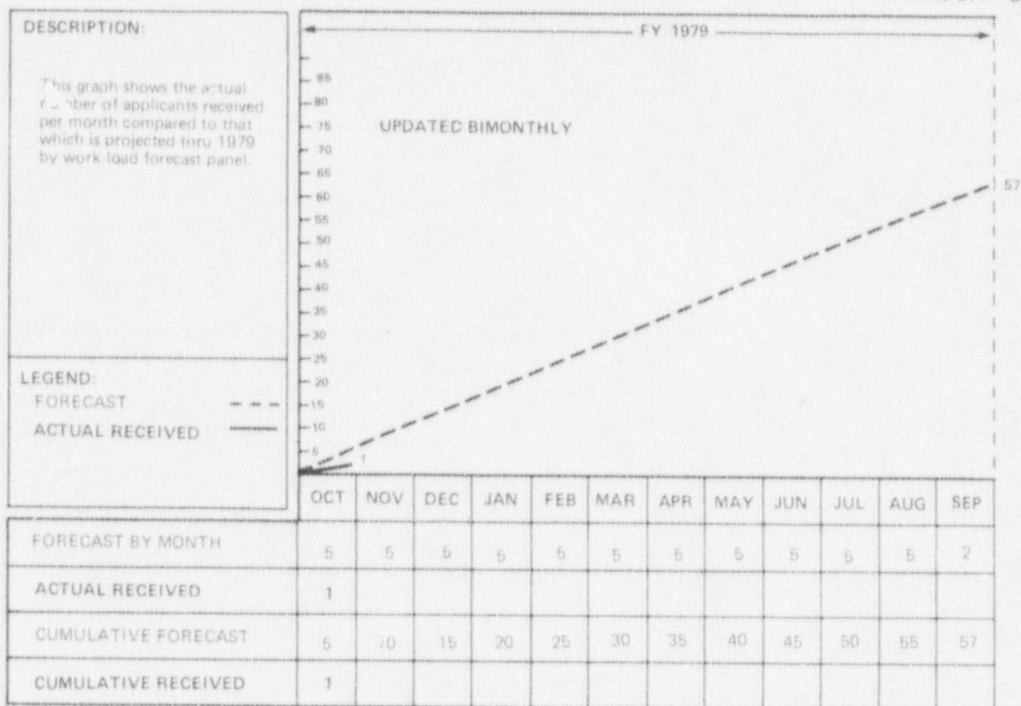
OL HEARING STAGES

	TO BE NOTICED	PETITION PENDING	AWAITING SER SUPPLEMENT	AWAITING FFS SUPPLEMENT	SER SUPPLEMENT HEARING	ENVIRONMENTAL HEARING	SER SUPPLEMENTAL HEARING	ENVIRONMENTAL INITIAL DECISION	AWAITING FINAL AGENCY DECISION
BELLE FONTE 1&2	X	X							
BRAIDWOOD 1&2	X								
BYRON 1&2	X								
COMANCHE 1&2	X								
JABLO CANYON			X				X		
FERMI 2		X	X	X	X				
GRAND GULF		X	X	X	X				
LASALLE 1&2			X		X				
MCGUIRE 1&2							X		
MIDLAND 1&2	X								
NORTH ANNA 2								X	
SAN ONDRE			X	X					
SEDOYAH 1&2			X				X		
SHOREHAM		X	X						
SOUTH TEXAS 1&2	X				X				
SUMMER 1			X	X					
SUSQUEHANNA	X		X	X	X				
WASHINGTON NUCLEAR		X	X	X					
WATERFORD	X								
ZIMMER 1			X			X			
	7	6	11	6	0	2	0	3	1

SECTION VII - NUCLEAR MATERIALS

NMSS APPLICATIONS RECEIVED

DATA AS OF: OCTOBER 31, 1978



NMSS NEW APPLICATIONS FORECAST
FY 1979

- N - New Application
- N - New application
- A - Amendment
- R - Renewal
- UOP - Uranium Ore Processing
- SM - Solution Mining
- OSR - Other Solution Recovery
- UFF - Uranium Fuel Fabrication
- PURD - Plutonium R&D and Pilot Facility
- UF6 - UF6 Production
- SFS - Spent Fuel Storage
- HLWR - High Level Waste Repository
- LLW - Low Level Waste Disposal Site
- TRP - Transportation Review
- UM - Uranium Mill

APPLICANT	LOCATION	FACILITY TYPE	APPLICATION TYPE	ACTUAL SUBMITTAL DATE	MANHOURS
NL INDUSTRIES		TRP	A	10/17/78C	
ADDOE OIL & GAS		UM	N		
UNION CARBIDE	CHORD	UM	N		
LUCKY MC	GREEN MOUNTAIN	UM	N		
TVA	EDGEMONT	UM	N		
STANDARD METALS	ALASKA	UM	N		
URANOSHELLSCHAFT		UM	A		
PETROTECHICS		UM	A		
UNITED NUCLEAR		UM	A		
EXXON MINERALS		UM	A		
RID ALGOM		UM	A		
UNIDENTIFIED UOP #1		UOP	N		
UNIDENTIFIED UOP #2		UOP	N		
MINERALS EXPLORATION		SM	N		
ROCKY MT. ENERGY		SM	N		
ROCKY MT. ENERGY		SM	N		
OGLE PETROLEUM		SM	N		
CLEVELAND, CLIFFS		SM	N		
HOMESTEAK MINING		OSR	N		
WYOMING MINERALS		SM	A		
EXXON MINERALS		SM	A		
PIONEER NUCLEAR		OSR	N		
NUCLEAR DYNAMICS		OSR	N		
BRUSH, WELLMAN		OSR	N		
CLEVELAND, CLIFFS		OSR	N		
UNIDENTIFIED OSR #1		OSR	N		
WYOMING MINERALS		OSR	N		
HOMESTEAK MINING		OSR	R		
CLEVELAND CLIFFS		OSR	R		
CONFIDENTIAL		UFF	N		
UNITED NUCLEAR		UFF	A		
UNITED NUCLEAR		UFF	A		
GE	WILMINGTON, NC	UFF	A		
GE	WILMINGTON, NC	UFF	A		
CE	WILMINGTON, NC	UFF	A		
UNITED NUCLEAR	WOOD RIVER, RI	UFF	A		
UNIDENTIFIED UFF #1		UFF	A		
UNIDENTIFIED UFF #2		UFF	A		
TEXAS INSTRUMENTS		UFF	R		
BATTELLE NORTH WEST		UFF	R		
EXXON NUCLEAR		UFF	R		
UNIDENTIFIED PURD #1		PURD	A		
UNIDENTIFIED PURD #2		PURD	A		
ATOMICS INTERNATIONAL		PURD	A		
KERR-MCGEE		UFF	N		
DOE ISFSI		SFS	N		
TVA ISFSI		SFS	N		
DOE WIPP		HLWR	N		
CHEM NUCLEAR	BARNWELL, SC	LLW	R		
GE	MORRIS, IL	SFS	R		
NBS		TRP	N		
TVA		TRP	N		
DOE		TRP	N		
GE		TRP	N		
DOE-NR #1		TRP	A		
DOE-NR #2		TRP	A		

IN-HOUSE MAJOR CASE REVIEW SCHEDULING

UPDATED BIMONTHLY

IN-HOUSE MAJOR CASE REVIEW SCHEDULING
UPDATED BIMONTHLY

APPLICANT	LOCATION	FUEL/FACILITY TYPE	APPL REC'D	COMPLETED SAFENVSDDS	CURRENT CASE COMPLETION DATE
URANIUM FUEL CYCLE					
NEW APPL					
LONG ISLAND LIGHTING CO	SUFFOLK, NY	FUEL STORAGE	09-78		05-19-79
SOUTH CAL EDISON & SAN DIEGO GAS & ELEC	ROSEMUND, CA	FUEL STORAGE	07-78		03-16-79
ENERGY RESOURCES	SAN JUAN, UT	RND	09-78		04-30-79
PLATEAU RESOURCES LTD.	SHOOTERING		05-78		02-19-79
UNITED NUC MORTON RANCH	CONVERSE CITY, WY.	U MILL	01-77		01-08-79
MINERALS EXPL.	SWEETWATER, WY.		11-76		12-01-78
ENERGY FUELS	WHITE MESA, UTAH	ORE BUYING	03-78		N/S
ENERGY FUELS	HANKSVILLE, UTAH	U-BUYING STAT.	03-78		N/S
ENERGY FUELS NUCLEAR	WHITE MESA, UTAH	U-MILL	02-78		N/S
PLATEAU RESOURCES	BLAND, G. UTAH	U-BUYING STAT.	04-78		N/S
RENEWALS & MAJOR MOD					
FEDERAL-AMER. NRS.	RIVERTON, WY.	U-MILL	12-75		N/S HOLD
EXXON HIGHLAND		U-MILL	07-78		N/S
ATLAS MINERALS			04-78		02-19-79
UNION CARBIDE	GAS HILLS, WY	MILL	03-76		10-06-78
WESTERN NUCLEAR	JEFFREY CITY, WY.	U MILL	06-73	NA	N/S
AMENDMENTS					
UNITED NUCLEAR	UNCASVILLE, CT	UFFP	09-78		03-01-79
WESTINGHOUSE	COLUMBIA, SC	FFP	09-78		02-05-79
COMBUSTION ENGINEERING	HEMATITE, MO	UFFP	09-78		03-15-79
GENERAL ELECTRIC	WILMINGTON, NC	UFFP	09-78		01-22-79
EXXON NUCLEAR	RICHLAND, WA	FFP	09-78		02-19-79
BEAR CREEK URANIUM	CONVERSE CO., WY	U MILL	09-78		N/S
LUCKY MC GAS HILLS			05-78		07-14-78
UNITED NUCLEAR	UNCASVILLE, CT.	UFFP	04-78		01-23-79
COMBUSTION ENGINEERING		FFP	04-78		02-10-79
ATLAS MINERALS	MOAB, UTAH	U MILL	09-73	X	N/S
NON-CASE & OTHER					
HOMESTAKE MINION CO.	MT. TAYLOR, NM	U MILL	09-77		N/S
GULF MINERAL RES. CO.	MARQUEZ, NM	U MILL	09-78		N/S
BORUM RESOURCES INC		U MILL	08-78		N/S
COTTER CORP			06-78		09-29-79
TRANSPORTATION					
DDE, NAVAL REACTORS	WASHINGTON, DC		07-78		03-25-79
TRANSNUCLEAR			03-78		07-15-79
DDE S 2 W/ S 2 W A			04-76		07-31-78
GENERAL ATOMIC	SAN DIEGO, CA	-	08-78		03-15-79
DDE, ANL-402-SPM	CHICAGO, IL	-	12-77		01-31-79
DDE, ORNL LOOP	DAK RIDGE, IN	-	07-78		01-12-79
DDE, ANL-390-SPM	CHICAGO, IL	-	12-77		01-12-79
NL INDUSTRIES	WILMINGTON, DE	-	10-78		05-15-79
LOW LEVEL WASTE					
NECO SHEFFIELD	SHEFFIELD, IL	WASTE BURIAL	08-68		N/S
NUCLEAR ENGINEERING	HANFORD, WA	WASTE BURIAL	02-78		N/S
SAFEGUARDS					
SAFEGUARDS	MEASUREMENT CONTROL	N/A	11-75	NA NA BR	08-31-78
POLICY PAPER ON S.G. LOW EN. U		N/A			08-31-78
SPENT FUEL STORAGE					
NEW APPL					
ALLIED GENERAL	BARNWELL, SC	FRSS	05-74	X X	08-29-78
ALLIED GENERAL	BARNWELL, SC	FRP	11-71	X X	08-29-78
ALLIED GENERAL	BARNWELL, SC	PPF	07-74		08-29-78
ALLIED GENERAL	BARNWELL, SC	UF6	07-72		08-29-78
RENEWALS & MAJOR MOD					
BABCOCK & WILCOX	PARKS TOWNSHIP, PA	PUU FFP	08-75		BF 07-14-78
BATTELLE COLUMBUS LAB.	COLUMBUS, OH	FFP	01-75		08-17-78
GENERAL ELECTRIC	VALLECITOS, CA	R4D	08-71		BF N/S
WESTINGHOUSE	CHESWICK, PA	PFDL	12-74		BF 08-11-78
AMENDMENTS					
DUKE POWER COMPANY	MECKLENBERG CO., NC	STORAGE	03-78		12-15-78
GENERAL ELECTRIC	MORRIS, IL	CAP. INCREASE	05-77		N/S
NON-CASE & OTHER					
LWR SPENT FUEL (OEIS)	N/A	N/A			10-06-78
NAT. PHENOMENA REVIEWS	WA	N/A			11-03-78
TOPICAL RPT. SWECO-7601	INDEP. SPENT FUEL				
INDEP. SPENT FUEL STORAGE			01-77		03-02-79
PRICE ANDERSON			06-77		08-04-78
COMPARITIVE ANALYSIS					08-00-79
GEIS ON URANIUM MILLING					02-01-79
NUCLEAR FUEL SERVICE	WEST VALLEY, NY	N/A	08-75		

PENDING OCTOBER 31, 1978

URANIUM FUEL CYCLE	
NEW APPLICATIONS	10
RENEWALS	5
AMENDMENTS	10
NON CASE	4
TRANSPORTATION	8
LOW LEVEL WASTE	2
SAFEGUARDS	2
SPENT FUEL STORAGE	
NEW APPLICATIONS	4
RENEWALS	4
AMENDMENTS	2
NON-CASE	6

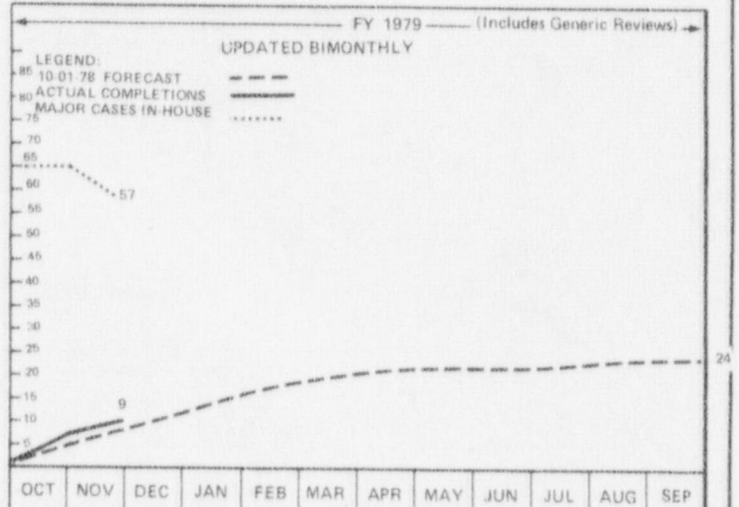
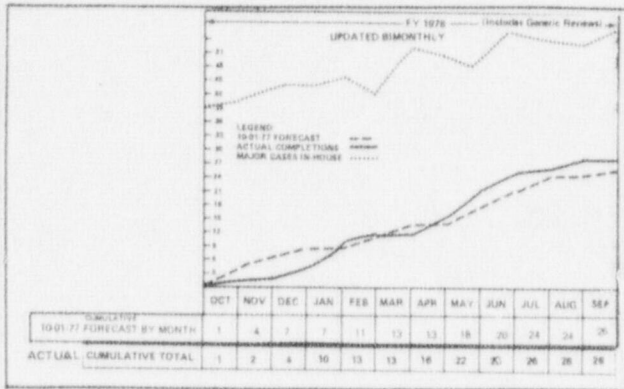
X - REVIEW COMPLETED
 MC - REVIEW TREATED AS A MINOR CASE
 BF - BACKFIT REVIEW
 NA - REVIEW NOT APPLICABLE/REQUIRED
 NS - REVIEW 'NOT SCHEDULED'
 * - REVIEW HAS NOT YET REC'D A SCHEDULE

TOTAL 87

DIVISION OF FUEL CYCLE & MATERIAL SAFETY

MAJOR CASEWORK: COMPLETIONS

DATA AS OF: NOVEMBER 30, 1978



DESCRIPTION:
THIS CHART SHOWS THE NUMBER OF MAJOR CASEWORK COMPLETIONS ESTIMATED TO BE COMPLETED BY MONTH AND ACTUAL COMPLETIONS BY MONTH AND TYPE OF REQUEST.

COMPLETIONS

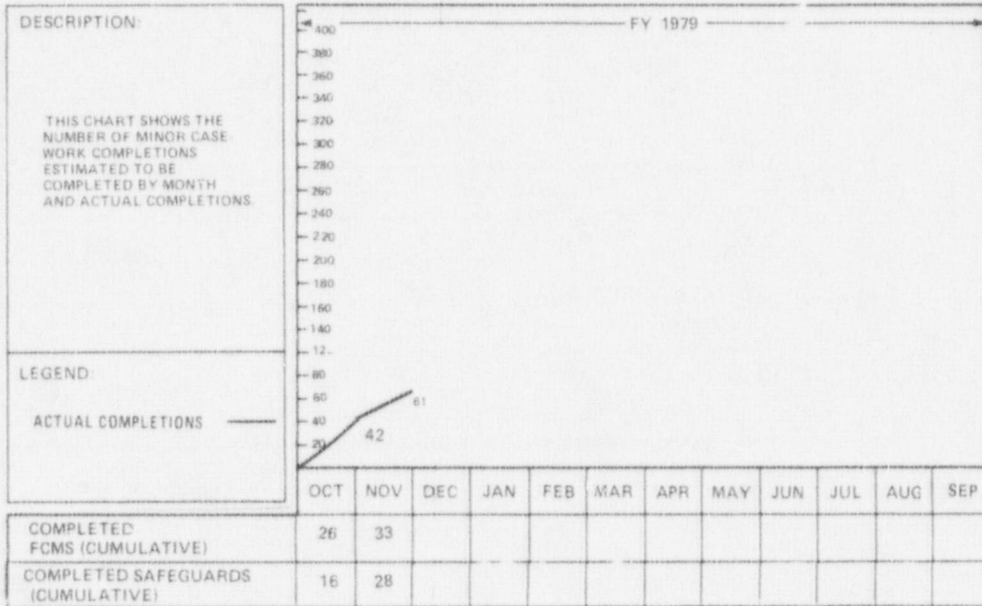
CUMULATIVE BUDGET FORECAST BY MONTH		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
NEW APPLICATIONS		5	7	10	15	18	20	21	21	21	22	24	24
RENEWALS & MAJOR MODIFICATIONS		1											
AMENDMENTS		1	1										
TRANSPORTATION REVIEWS													
GENERIC & OTHER													
CUMULATIVE TOTAL		7	9										

CASE	TYPES REVIEW	COMPLETED	TYPE OF ACTION
1. EXXON NUCLEAR	NEW APPL.	10-09-78	LICENSE
2. PUBLIC SERVICE ELECTRIC & GAS	NEW APPL.	10-04-78	LICENSE
3. SOUTH CAROLINA ELECTRIC & GAS	NEW APPL.	09-15-78	LICENSE
4. FEDERAL AMERICAN PARTNERS	AMENDMENT	09-16-78	AMENDED LICENSE
5. BARCOCK & WILCOCK	RENEWAL	10-23-78	RENEWED LICENSE
6. COMMONWEALTH EDISON	NEW APPL.	09-25-78	LICENSE
7. ROCKY MOUNTAIN ENERGY CO.	NEW APPL.	09-28-78	LICENSE
8. UNITED NUCLEAR	AMENDMENT	11-22-78	AMENDED LICENSE
9. WY MIN IRIDIARY SOL MINE	NEW APPL.	11-17-78	LICENSE

DIVISION OF FUEL CYCLE & MATERIAL SAFETY

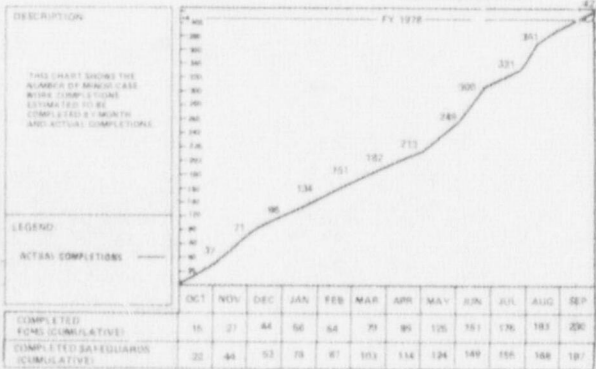
MINOR CASEWORK: COMPLETIONS

INCLUDES SAFEGUARDS



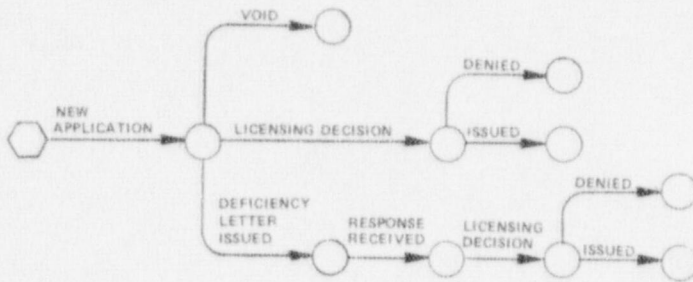
MINOR CASEWORK: COMPLETIONS

INCLUDES SAFEGUARDS



NMSS - MATERIALS LICENSING DATA

MATERIALS LICENSING NETWORK



GLOSSARY OF TERMS

AMENDMENT - Major addition or change to existing license.

DEFICIENCY LETTER - Letter sent to applicant indicating that information required to process license is either incomplete or erroneous.

DENIAL - License application denied.

NEW APPLICATION - Initial licensing application.

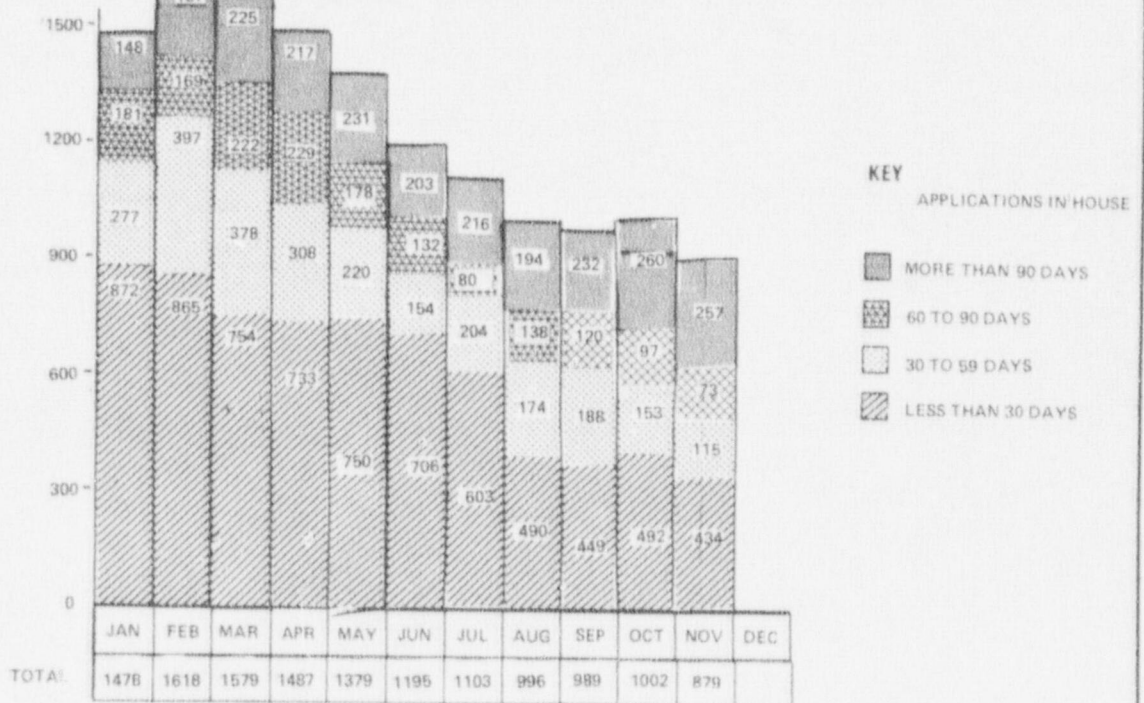
RENEWAL - Resubmission after five years to reevaluate licensee program.

VOID - Amendment application deemed unnecessary because requested change is already covered in existing license.

END OF MONTH INVENTORY

(PENDING DEFICIENCY LETTERS NOT INCLUDED)

DATA AS OF: NOVEMBER 30, 1978



APPLICATIONS > 90 DAYS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NEW APPLICATIONS	32	35	26	18	15	12	13	8	1	1	3	
AMENDMENTS	34	53	52	48	64	51	43	26	22	18	18	
RENEWALS	82	99	147	151	152	140	160	160	209	241	236	
TOTAL	148	187	225	217	231	203	216	194	232	260	257	





NMSS - MATERIALS LICENSING DATA

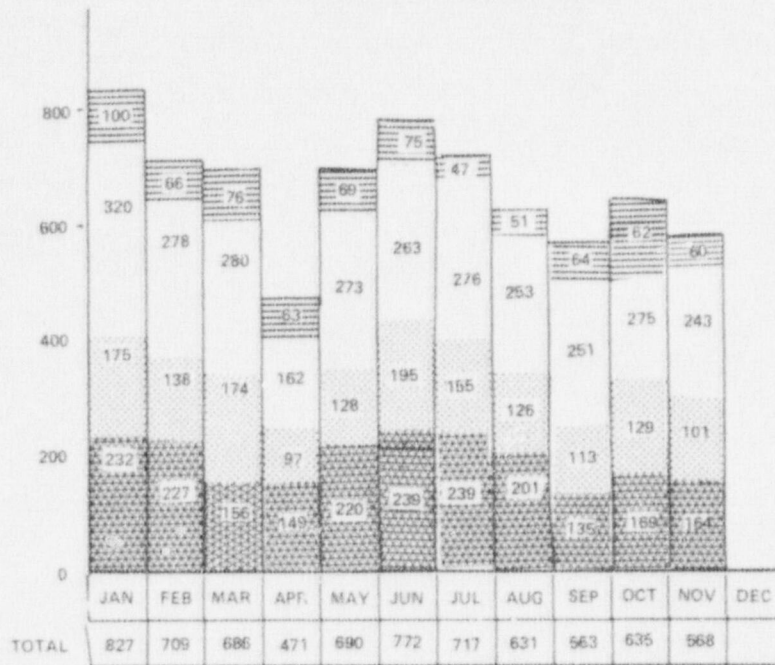
APPLICATIONS RECEIVED

DATA AS OF: NOVEMBER 30, 1976

DATA FOR JANUARY REVISED

KEY:




-  NEW APPLICATIONS
-  AMENDMENTS
-  RENEWALS
-  RESPONSES TO DEFICIENCY REQUESTS

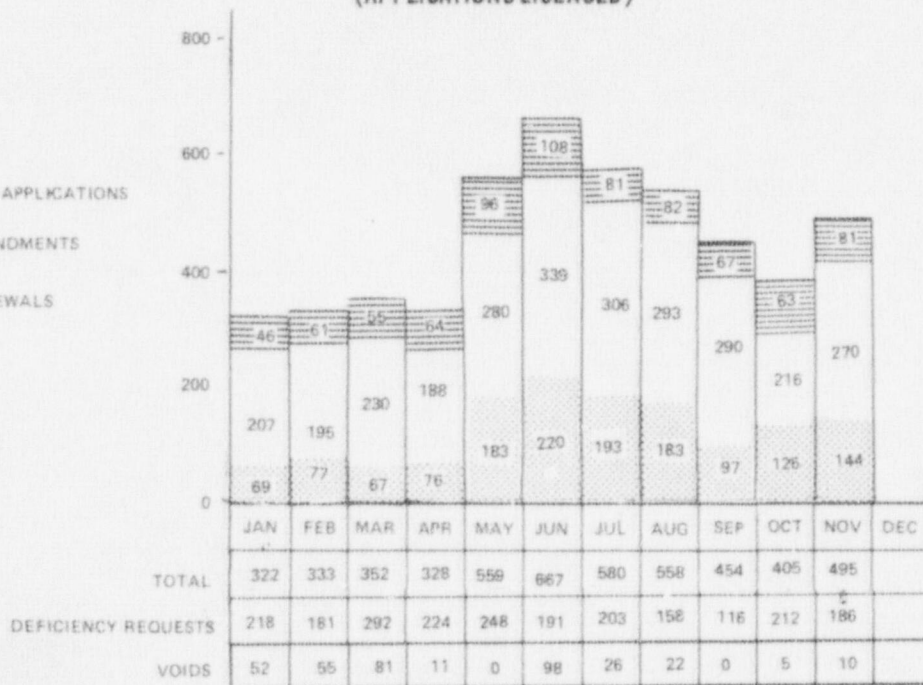


LICENSING ACTIONS COMPLETED

(APPLICATIONS LICENSED)

KEY:

-  NEW APPLICATIONS
-  AMENDMENTS
-  RENEWALS



NMSS - MATERIALS LICENSING DATA

MONTHLY SUMMARY

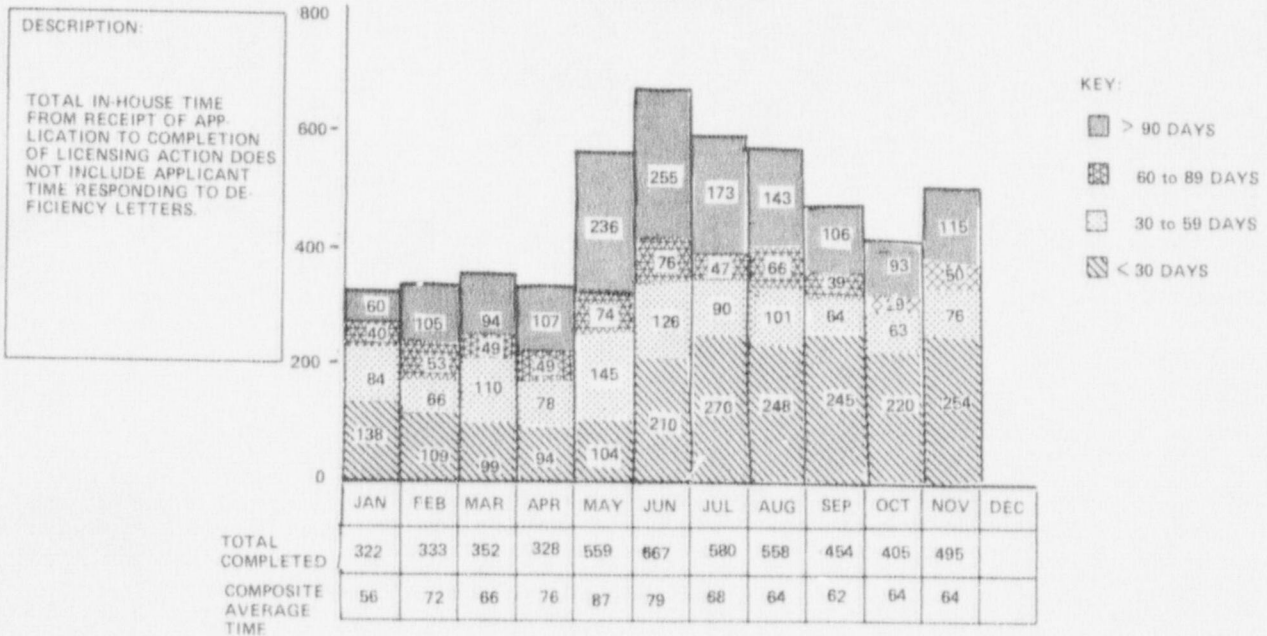
DATA AS OF: NOVEMBER 30, 1978

DATA FOR JANUARY REVISED

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BEGINNING OF MONTH INVENTORY	1243	1478	1618	1579	1487	1379	1195	1103	996	989	1002	
INPUT	827	709	686	471	690	772	717	631	563	635	568	
OUTPUT	592	569	725	563	798	956	809	738	570	622	691	
END OF MONTH INVENTORY	1478	1618	1579	1487	1379	1195	1103	996	989	1002	879	

TOTAL TURN AROUND TIME

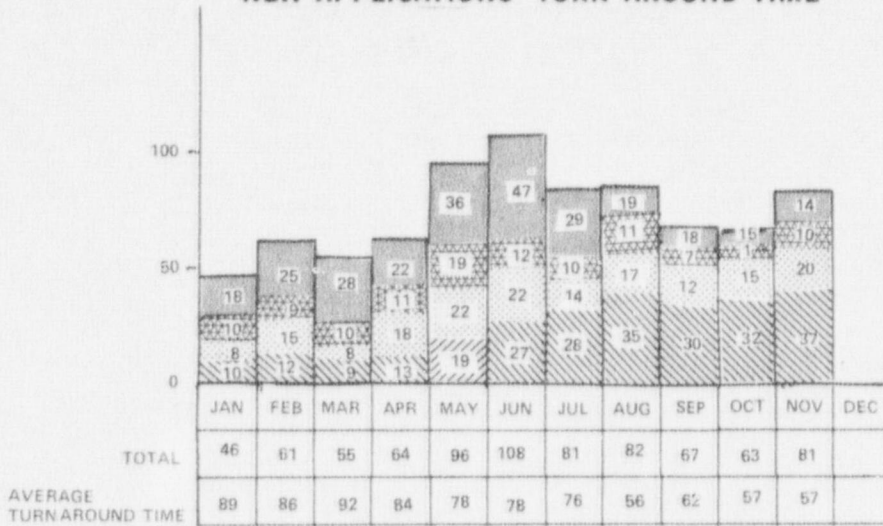
(EXCLUDES VOIDS)



NMSS - MATERIALS LICENSING DATA

NEW APPLICATIONS TURN AROUND TIME

DATA AS OF: NOVEMBER 30, 1978



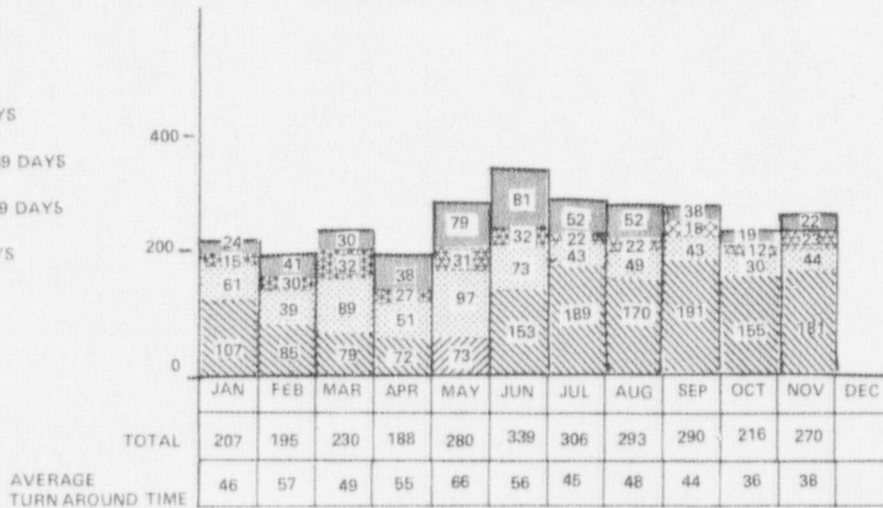
AMENDMENTS TURN AROUND TIME

KEY:

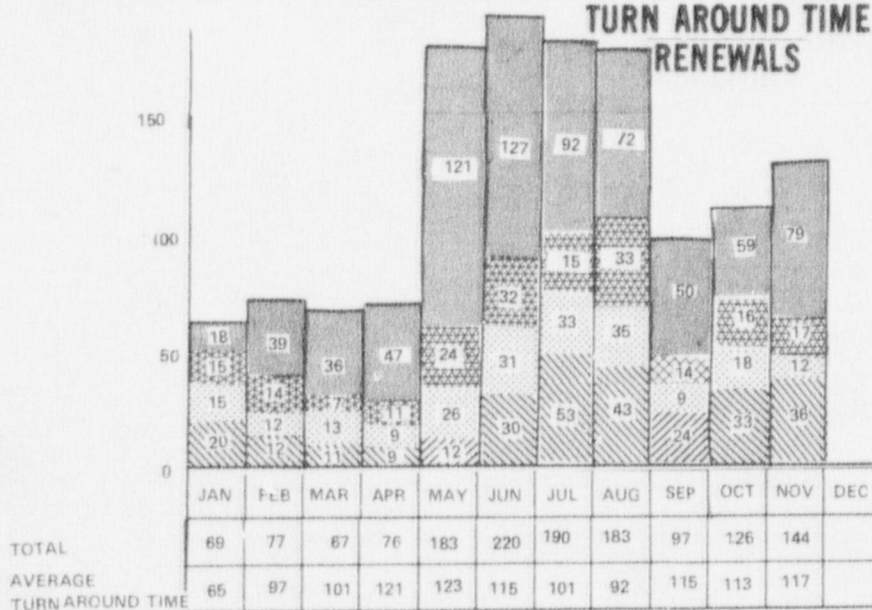
- > 90 DAYS
- 60 to 89 DAYS
- 30 to 59 DAYS
- < 30 DAYS

DESCRIPTION:

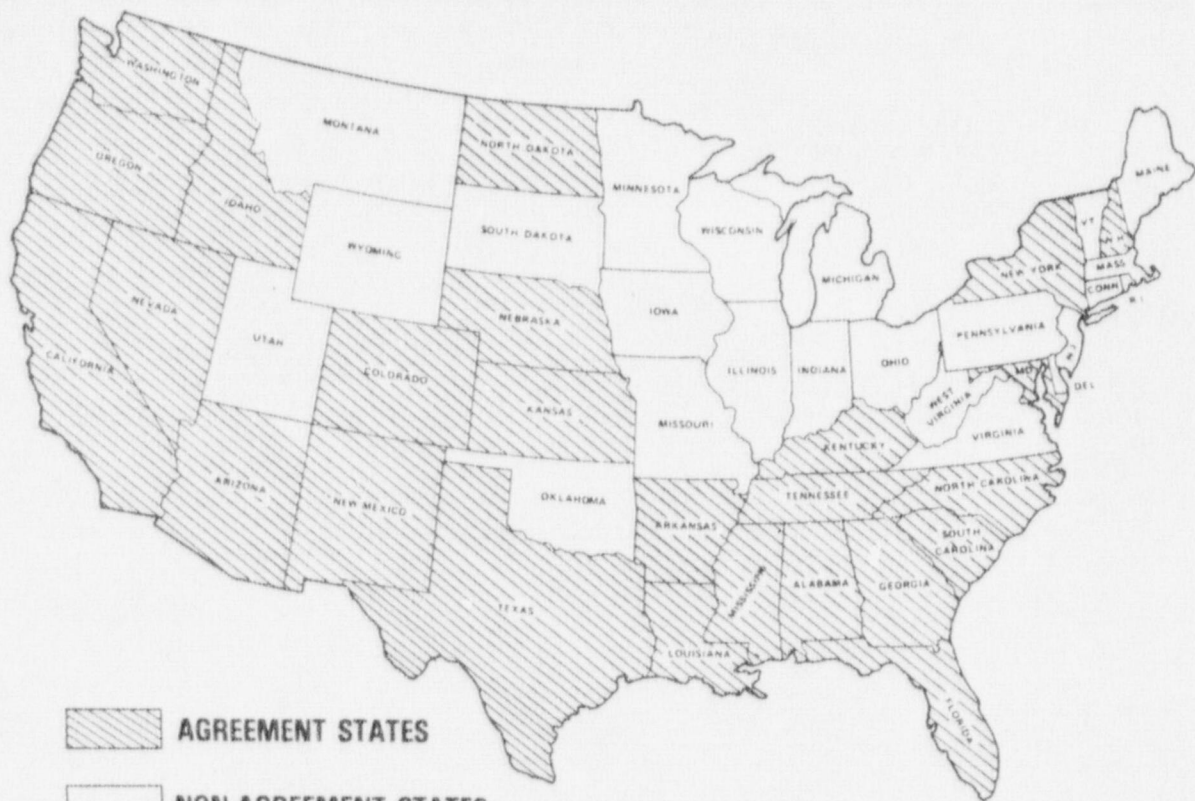
TOTAL IN-HOUSE TIME FROM RECEIPT OF APPLICATION TO COMPLETION OF LICENSING ACTION DOES NOT INCLUDE APPLICANT TIME RESPONDING TO DEFICIENCY LETTERS.





TURN AROUND TIME RENEWALS



AGREEMENT STATES



 **AGREEMENT STATES**
 **NON-AGREEMENT STATES**

NRC AGREEMENT STATES

ALABAMA
 ARIZONA
 ARKANSAS
 CALIFORNIA
 COLORADO

FLORIDA
 GEORGIA
 IDAHO
 KANSAS
 KENTUCKY

LOUISIANA
 MARYLAND
 MISSISSIPPI
 NEBRASKA
 NEVADA

NEW HAMPSHIRE
 NEW MEXICO
 NEW YORK
 NORTH CAROLINA
 NORTH DAKOTA

OREGON
 SOUTH CAROLINA
 TENNESSEE
 TEXAS
 WASHINGTON

The states of Hawaii and Alaska, the District of Columbia, Puerto Rico and the Canal Zone are also eligible agreement states.

MAJOR LICENSED FUEL CYCLE FACILITIES

(LICENSED BY NRC)

DATA AS OF NOVEMBER 30, 1978

URANIUM HEXAFLUORIDE (UF₆) PRODUCTION PLANTS

ALLIED CHEMICAL CORPORATION	METROPOLIS, ILLINOIS	40-3392	SUB-526
KERR-MCGEE CORPORATION	SEQUOYAH, OKLAHOMA	40-8027	SUB-1010

URANIUM FUEL PROCESSING & FABRICATION PLANTS

ATOMICS INTERNATIONAL	CANOGA PARK, CALIFORNIA	70-25	SNM-21
BABCOCK & WILCOX	LYNCHBURG, VIRGINIA	70-27	SNM-42
BABCOCK & WILCOX	APOLLO, PENNSYLVANIA	70-135	SNM-145
BABCOCK & WILCOX	LYNCHBURG, VIRGINIA	70-824	SNM-778
BABCOCK & WILCOX	LYNCHBURG, VIRGINIA	70-1201	SNM-1168
COMBUSTION ENGINEERING, INC.	HEMATITE, MO.	70-36	SNM-33
COMBUSTION ENGINEERING, INC.	WINDSOR, CONNECTICUT	70-1100	SNM-1067
EXXON NUCLEAR COMPANY, INC.	RICHLAND, WASHINGTON	70-1257	SNM-1227
GENERAL ATOMIC COMPANY	SAN DIEGO, CALIFORNIA	70-734	SNM-696
GENERAL ELECTRIC COMPANY	SAN JOSE, CALIFORNIA	70-1007	SNM-94 (1)
GENERAL ELECTRIC COMPANY	WILMINGTON, NC	70-1113	SNM-1097
KERR-MCGEE CORPORATION	CRESENT CITY, OK	70-925	SNM-928
NUCLEAR FUEL SERVICES, INC.	ERWIN, TENNESSEE	70-143	SNM-124
TEXAS INSTRUMENTS, INC.	ATTLEBORO, MASSACHUSETTS	70-33	SNM-23
U. S. NUCLEAR, INC.	OAK RIDGE, TENNESSEE	70-1319	SNM-1315
UNITED NUCLEAR CORP.	MONTVILLE, CONNECTICUT	70-371	SNM-368
UNITED NUCLEAR CORP.	WOOD RIVER, RHODE ISLAND	70-820	SNM-777
WESTINGHOUSE ELECTRIC CORP.	COLUMBIA, SOUTH CAROLINA	70-1151	SNM-1107 (2)

PLUTONIUM FUEL & FABRICATION PLANTS

BABCOCK & WILCOX	FARKS TOWNSHIP, PA.	70-364	SNM-414
BATTELLE MEMORIAL INSTITUTE	WEST JEFFERSON, OHIO	70-8	SNM-7
BATTELLE P.N. LABORATORIES	RICHLAND, WASHINGTON	70-984	SNM-642
EXXON NUCLEAR COMPANY, INC.	RICHLAND, WASHINGTON	70-1257	SNM-1227
GENERAL ELECTRIC COMPANY	YALLECITOS, CALIFORNIA	70-754	SNM-960
KERR-MCGEE CORPORATION	CRESENT, OKLAHOMA	70-1193	SNM-1174 (3)
WESTINGHOUSE ELECTRIC CORP.	CHESWICK, PA.	70-1143	SNM-1120
WESTINGHOUSE ELECTRIC CORP.	WALTZ HILL, PA.	70-698	SNM-770
EXXON NUCLEAR CO.	OAK RIDGE, TN	50-564	

FUEL REPROCESSING FACILITIES

ALLIED-GENERAL NUCL. SER.	BARNWELL, SOUTH CAROLINA	50-332 (4)	
NUCLEAR FUEL SERVICES, INC.	WEST VALLEY, NEW YORK	50-201 (5)	

IRRADIATED FUEL STORAGE FACILITIES

GENERAL ELECTRIC	MORRIS, ILLINOIS	70-1308	SNM-1265
NUCLEAR FUEL SERVICES, INC.	WEST VALLEY, NEW YORK	50-201	SNM-857 (6)

WASTE BURNAL FACILITIES

NUCLEAR ENGINEERING	SHEFFIELD, ILLINOIS	27-39	
NUCLEAR ENGINEERING	HANFORD, WA.	27-48	

- (1) FACILITY NOW REDUCED TO ROD ACTIVITIES ON LWR FUEL.
 (2) ALSO AUTHORIZED TO REVIVE AND STORE SEALED MIXED OXIDE FUEL RODS AND ASSEMBLE MIXED OXIDE RODS INTO FUEL BUNDLES.
 (3) SHUTDOWN.
 (4) CP ISSUED IN 1970.
 (5) POL ISSUED IN 1966, CURRENTLY SHUTDOWN.
 (6) LICENSED ALSO FOR SHIPPING AND RECEIVING 70-959 (SNM-954)

MAJOR LICENSED FUEL CYCLE FACILITIES

(LICENSED BY NRC)

NRC LICENSED URANIUM MILLS AND MINING FACILITIES

NAME & LOCATION	DOCKET & LICENSE NOS.	ACTIVITY	EXPIRATION DATE
ATLAS MINERALS	40-3453	ACID LEACH AND CARBONATE	4-30-72
MOAB, UTAH	SUA-917	LEACH CIRCUITS	(TIMELY RENEWAL)
BEAR CREEK URANIUM COMPANY	40-8452	FULL SCALE URANIUM MILL	7-31-82
DENVER, COLORADO	SUA-1310		
CLEVELAND CLIFFS IRON COMPANY	40-8200	PILOT SCALE RESEARCH AND	5-31-79
POWDER RIVER BASIN, WYOMING	SUA-1199	DEVELOPMENT IN SITU LEACHING	
COTTER CORPORATION	40-8511	R&D IN SITU LEACHING	8-31-81
GOLDEN, COLORADO	SUA-1273		
EXXON COMPANY	40-8102	FULL SCALE ACID LEACH SOLVENT	7-31-78
HIGHLAND URANIUM MILL	SUA-1139	EXTRACTION U. MILL	
CONVERSE COUNTY, WYOMING			
EXXON COMPANY	40-8064	EXPERIMENTAL IN SITU LEACHING	8-31-81
CONVERSE COUNTY, WYOMING	SUA-1064	SOLUTION MINING	
FEDERAL-AMERICAN PARTNERS	40-4492	FULL SCALE URANIUM MILL ACID	1-31-76
GAS HILLS, WYOMING	SUA-867	LEACH - ELUEX	(TIMELY RENEWAL)
HOLMES AND WARNER, INC.	40-8550	R&D - PROCESS URANIUM ORES	7-31-82
ANAHEIM, CALIFORNIA	SUA-1307		
HOMESTAKE MINING COMPANY	40-8434	R&D - RECOVER URANIUM FROM	6-30-79
A SAL MINE, SAN JUAN	SUA-1249	MINE WATER	
COUNTY, UTAH			
LUCKY MC URANIUM CORP.	40-2259	FULL SCALE ACID LEACH ELUEX	1-31-83
GAS HILLS, WYOMING	SUA-672		
LUCKY MC URANIUM CORP.	40-8622	ACID LEACH, CCD, COLUM	9-30-82
SHIRLEY BASIN, WYOMING	SUA-442	IRON EXCHANGE	
MINERALS EXPLORATION CO.	40-8348	R&D IN SITU URANIUM	1-31-80
SWEETWATER COUNTY, WYOMING	SUA-1223	SOLUTION MINING	
PEIROTONICS COMPANY	40-8655	STAND BY - FULL SCALE	4-30-81
SHIRLEY BASIN, WYOMING	SUA-551	URANIUM MILL	
PLATEAU RESOURCES LTD.	40-7869	PILOT SCALE HEAP LEACHING	9-30-78
GRAND JUNCTION, CO.	SUA-1013		
RIO ALGOM MINES LIMITED	40-8084	FULL SCALE CARBONATE LEACH	9-30-82
MOAB, UTAH	SUA-1119	CAUSTIC PRECIPITATION	
ROCKY MOUNTAIN ENERGY	40-8380	R&D IN SITU LEACHING	2-29-80
CONVERSE COUNTY, WYOMING	SUA-1228		
TENNESSEE VALLEY AUTHORITY	40-1361	STAND BY - FULL SCALE URANIUM	2-29-76
EDMONT MILL, S. D.	SUA-818	MILL - ACID LEACH	(TIMELY RENEWAL)
UNION CARBIDE CORP.	40-299	FULL SCALE ACID LEACH ELUEX	3-31-76
GAS HILLS, WYOMING	SUA-648		(TIMELY RENEWAL)
WESTERN NUCLEAR, INC.	40-1162	ACID LEACH ELUEX, FULL SCALE	10-31-73
JEFFREY CITY, WYOMING	SUA-56		(TIMELY RENEWAL)
WYOMING MINERAL CORP.	40-8304	PILOT PLANT IN SITU LEACHING	6-30-79
JOHNSON COUNTY, WYOMING	SUA-1204		
WYOMING MINERAL CORP.	40-8585	COPPER LEACH SOLUTION	9-30-82
LAKEWOOD, COLORADO	SUA-1315		
WORLD NUCLEAR	40-8638	SOLUTION MINE	4-11-83
NUCLEAR DYNAMICS	40-8643	IN-SITU	4-14-83
KERR MCGEE	40-8584	IN-SITU	4-16-83
OGLE PETROLUEM	40-8693	IN-SITU	08-31-83
J&P CORPORATION	40-8684	SOLUTION MINING	08-30-83
ROCKY MOUNTAIN			09-28-83
CAMPBELL CO., WY	40-8697	IN-SITU R&D	
WY MIN IRIGARY	40-8502	IN-SITU R&D	11-17-83

SECTION VIII - STANDARDS AND REGULATIONS

PROGRAM OVERVIEW TASK WORKLOAD STATUS

JULY 1, 1978 TO SEPTEMBER 30, 1978

	TOTAL ACTIVE TASKS APPEARING IN LAST GREEN BOOK	NEW TASKS ADDED OR TASKS OUT OF HOLD	TASKS COMPLETED OR TASKS INTO HOLD	TASKS DELETED	TOTAL ACTIVE TASKS APPEARING IN THIS MONTH'S GREEN BOOK	TASKS SCHEDULED TO BE COMPLETED
ENGINEERING METHODOLOGY STANDARDS	11	0	2	2	7	2
ENVIRONMENTAL STANDARDS	7	0	0	0	7	0
FUEL PROCESS SYSTEM STANDARDS	14	3	0	0	17	0
MATERIALS PROTECTION STANDARDS	8	0	2	0	6	0
OCCUPATIONAL HEALTH STANDARDS	20	1	1	0	20	1
PROGRAM SUPPORT	0	1	0	0	1	0
REACTOR SYSTEMS STANDARDS	20	2	3	0	19	1
SITE DESIGNATION STANDARDS	7	0	0	0	7	1
SITE SAFETY STANDARDS	14	1	0	0	15	0
STRUCTURES & COMPONENTS STANDARDS	28	3	5	0	26	2
TRANSPORTATION & PRODUCT STANDARDS	19	4	2	0	21	6
TOTALS	148	15	15	2	146	13

146

TOTAL NO. OF ACTIVE TASKS IN CURRENT EDITION OF GREEN BOOK

REGULATORY GUIDES

DATA AS OF NOVEMBER 1978

REG. GUIDE/TASK NO.	TITLE	TYPE
<u>OCTOBER</u>		
		REVISED FOR COMMENT
RG 1.12B/RS 604-5 REV. 1	INSTALLATION DESIGN AND INSTALLATION OF LARGE LEAD STORAGE BATTERIES FOR NUCLEAR POWER PLANTS	X
RG 4.2 /TP 702-4	IDENTIFICATION PLAQUE FOR IRRETRIEVABLE WELL-LOGGING SOURCES	X
RG 1.130/SC 602-4 REV. 1	SERVICE LIMITS AND LOADING COMBINATIONS FOR CLASS 1 PLATE-AND-SHELL-TYPE COMPONENT SUPPORTS	X
<u>NOVEMBER</u>		
RG 1.125/55 701-4 REV. 1	PHYSICAL MODELS FOR DESIGN AND OPERATION OF HYDRAULIC STRUCTURES AND SYSTEMS FOR NUCLEAR POWER PLANTS	X
RG 1.136/SC 703-4 REV. 1	MATERIAL FOR CONCRETE CONTAINMENTS (ARTICLE CC-2000) OF THE "CODE FOR THE CONCRETE REACTOR VESSELS AND CONTAINMENTS "	X
RG 5.58 /SG 801-4	CONSIDERATIONS FOR ESTABLISHING TRACERBILITY OF SPECIAL NUCLEAR MATERIAL ACCOUNTING MEASUREMENTS	X
RG 1.84 /SC 803-4 REV. 14	DESIGN AND FABRICATIDN CODE CASE ACCEPTABILITY ASME SECTION III-DIVISION 1	X
RG 1.85 /SC 804-4 REV. 14	MATERIALS CODE CASE ACCEPTABILITY ASME SECTION III-DIVISION 1	X
RG 8.24 /OH 709-4	HEALTH PHYSICS SURVEYS DURING ENRICHED URANIUM 235 PROCESSING AND FUEL FABRICATION	X
RG 1.9 /RS 710-5 REV. 1	SELECTION, DESIGN & QUALIFICATION OF DIESEL-GENERATOR UNITS USED AS ORSITE ELECTRIC POWER SYSTEMS AT NUCLEAR POWER PLANTS	X
RG 1.70 /SC 813-4 REV. 3	STANDARD FORMAT AND CONTENT OF SAFETY ANALYSIS REPORTS FOR NUCLEAR POWER PLANTS	X
RG 1.72 /SC 532-4 REV. 2	SPRAY POND PIPING MADE FROM FIBERGLASS-REINFORCED THERMOSETTING RESIN	X

TASKS COMPLETED

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Guides Published for Comment	1	3										
Revised Guides Published	2	6										

NUREG REPORTS

MONTH	NO	TITLE
OCTOBER	CR-0131 FP 813-7	DECOMMISSIONING OF NUCLEAR FACILITIES AND ANNOTATED BIBLIOGRAPHY
	NUREG0464 SGS 765-4	SITE SECURITY PERSONNEL TRAINING MANUAL, FINAL GUIDANCE
	NUREG0465 SGS 765-4	TRANSPORTATION SECURITY PERSONNEL TRAINING MANUAL, FINAL GUIDANCE
	NOVEMBER	CR-0044 MP 680-9
CR-0442		EFFECTS OF AIR BLAST ON POWER STRUCTURES AND COMPONENTS
CP-0001		RADIOACTIVITY IN CONSUMER PRODUCTS

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Number Issued	3	3										

ANSI STANDARDS PUBLISHED

DATA AS OF NOVEMBER 1978

MONTH	TASK NO.	TITLE
OCTOBER	N46.2.11-1977	QUALITY ASSURANCE REQUIREMENTS FOR THE DESIGN OF NUCLEAR FUEL REPROCESSING FACILITIES
	N46.2.13-1977	QUALITY ASSURANCE REQUIREMENTS FOR CONTROL OF PROCUREMENT OF ITEMS AND SERVICES FOR NUCLEAR FUEL REPROCESSING FACILITIES
	N73.12	CONTROL OF RADIOACTIVE SURFACE CONTAMINATION ON MATERIALS, EQUIPMENT, AND FACILITIES TO BE RELEASED FOR UNCONTROLLED USE
	N17.11	PERSONNEL DOSIMETRY PERFORMANCE. CRITERIA FOR TESTING
	N542	SEALED RADIOACTIVE SOURCES. CLASSIFICATION
NOVEMBER	N14.6	SPECIAL LIFTING DEVICES FOR SHIPPING CONTAINERS WEIGHING 10,000 POUNDS, (4500 KG) OR MORE FOR NUCLEAR MATERIALS
	N42.13	CALIBRATION AND USAGE OF "DOSE CALIBRATOR" IONIZATION CHAMBERS FOR THE ASSAY OF RADIONUCLIDES
	N18.1	SELECTION AND TRAINING OF NUCLEAR POWER PLANT PERSONNEL
	ANSI/ANS-15.4-1977	SELECTION AND TRAINING OF PERSONNEL FOR RESEARCH REACTORS

TASKS COMPLETED

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ANSI Standards Published	5	4										

AMENDMENTS TO AND NEW NRC REGULATIONS

MONTH	TASK NO.	TITLE	TYPE	
			EFFECTIVE RULE	PROPOSED RULE
OCTOBER	DS 519-0	AMENDMENT TO 10 CFR PART 21 (43 FR 48621) TO REMEDY THE "SUBTIER SUPPLIER" PROBLEM	X	
	CM 526-1	AMENDMENTS TO 10 CFR PART 53 (43 FR 50162) CONCERNING STANDARDS FOR COMBUSTIBLE GAS CONTROL SYSTEMS	X	
NOVEMBER	TP 817-1	10CFR PART 35: FINAL RULE REQUIRING CONFIRMATION OF RADIOACTIVE SOURCE REMOVAL FROM PATIENTS. PUBLISHED IN FED. REGISTER 11/28/78	X	

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Proposed Rules Published	0	0										
Effective Rules Published	2	1										

SUMMARY OF SELECTED STANDARDS STATISTICS

(FY 1978 AND FY 1979)

COMPLETED ACTIONS

FY 1978 AND FY 1979

	<u>10-01-77 THRU 09-30-78 (12 MONTHS)</u>	<u>10-01-78 THRU 11-30-78 (2 MONTHS)</u>
GUIDES PUBLISHED FOR COMMENT	35	4
REISSUED GUIDES PUBLISHED	23	8
ANSI STANDARDS PUBLISHED	18	9
DRAFT ENV. STATEMENTS PUBLISHED	0	0
FINAL ENV. STATEMENTS PUBLISHED	2	0
PROPOSED RULES PUBLISHED	16	0
EFFECTIVE RULES PUBLISHED	11	3
RULEMAKING PETITIONS DENIED	3	0
RULEMAKING PETITIONS APPROVED	0	0
RULEMAKING PETITIONS WITHDRAWN	1	0
NUREG REPORTS ISSUED	21	6

SECTION IX - RESEARCH PROJECTS

NUCLEAR REGULATORY RESEARCH

LOFT (Loss of Fluid Test)

DATA AS OF: DECEMBER 15, 1978

PURPOSE:

The LOFT facility is a well instrumented pressurized water reactor (PWR) at about 1/50 the power level and 1/5 the physical size of a commercial PWR. It is located at the Idaho National Engineering Laboratory and is designed to study the behavior of engineered safety features, such as emergency core cooling systems, during postulated reactor accident conditions. Data from LOFT experiments are being used to assess and improve the analytical methods currently used to predict the course of a loss of coolant accident.

STATUS:

1. The process of the turn-over of LOFT from DOE to NRC for nuclear operation, on a system-by-system basis, is in progress, and a sign-off procedure has begun. In preparation for assuming full funding responsibilities following NRC's takeover of the LOFT operation during FY 1979, NRC/HQ has begun to follow those tasks related to LOFT operations and engineering support. Turnover is expected to be completed in December.
2. The first nuclear test was run at 10:00 p.m. MST, December 9, 1978. All systems functioned as expected. The peak clad temperature was lower than predicted.

PROBLEMS:

A reevaluation of the forthcoming test is underway as a result of the lower than predicted peak clad temperature. Decision on subsequent higher power testing will be made in coordination with NRR.

SEMISCALE

The Semiscale MOD 3 configuration is a one-dimensional nonnuclear representation of the thermal hydraulic behavior of a pressurized water reactor, designed to simulate ECCS/Upper Head Injection (UHI) performance during a loss-of-coolant experiment. It operates at about 1/30 the power level and is 1/5 the physical size of LOFT with two loops, each containing an active steam generator and coolant pump. The reactor core is simulated by 25 electrically heated fuel rods, each having a 12-foot heated length and arranged in a typical 15 x 15 PWR fuel geometry.

The objectives of the test facility are to:

1. Provide separate and integral effects experimental data for developing and/or verifying LDCA computational methods,
2. Provide data to investigate UHI phenomena and to evaluate analytical capabilities,
3. Investigate alternate ECC concepts, and
4. Provide data for interpreting LOFT data and addressing LOFT design compromises.

STATUS:

The baseline test series to characterize the Mod-3 configuration has been completed. The test series included three blowdown, two reflood and one integral test. The comparisons between the integral test data and the pretest predictions revealed significant differences in the thermal hydraulic behavior during the reflood period and the quench time of the high power region. Experimental and analytical investigations are underway to explain these differences. The next test scheduled for the facility will investigate small break loss-of-coolant phenomena.

PROBLEMS:

none

PBF (Power Burst Facility)

PURPOSE:

The Power Burst Facility (PBF) utilizes a pressurized test loop in a pool-type 30 megawatt (steady state) reactor capable of pulsed operation. It is located at the Idaho National Engineering Laboratory and is used to obtain data on the performance of fuel rod clusters under abnormal power, coolant flow and energy density conditions. This includes the PCM (Power Cooling Mismatch) test, LOCA (Loss of Coolant Accident) tests, RIA (Reactivity Initiated Accident) tests and inlet flow blockage tests. The data obtained will be used to develop or test analytical capability which can be used to predict fuel response in reactors during off-normal operating conditions.

STATUS:

The planned FY 1978 tests were completed on schedule. Six PBF program tests are scheduled for FY 1979. These include two RIA tests, two LOCA tests, one 9-rod PCM test and one stored energy ATWS test. A series of four LOFT lead rod (LLR) tests will also be run.

Test RIA 1-1 was completed October 7 and RIA 1-2 was completed November 22. The first test exposed two fresh rods and two pre-irradiated rods (5GWD/t) to a local peak energy deposition of 250cal/gm, about 85% of the design basis accident (DBA). Post-test examination of the pre-irradiated fuel showed more fuel swelling than expected. The swelling was not observed in the companion fresh rod. Measured fuel temperatures and local coolant pressures were in the expected range. The second test exposed four pre-irradiated rods (5GWD/t) to peak local energy depositions of about 200cal/gm. This is close to the expected failure threshold. Instrument readings indicate that the rod cladding may have deformed but they did not indicate significant (if any) clad failure. Post irradiation examination of RIA 1-2 will be initiated in January.

Preparations will be made for test loop modifications in the summer of 1979. These modifications will improve loop performance for the experimental program.

PROBLEMS:

EG&G management has put into effect the PMS-IV computerized project management system. A baseline program, cost, and schedule has been established and is presently being used in the management of PBF work at the INEL site. The system offers a more comprehensive means of controlling the program and adapting the costs and schedules to changes in the program as such needs arise. Emphasis by EG&G management on accomplishment of high priority test objectives continues.

NUCLEAR REGULATORY RESEARCH DATA AS OF: DECEMBER 15, 1978

PRESSURIZED WATER REACTOR BLOWDOWN HEAT TRANSFER PROGRAM (PWR-BDHT)

Purpose:

The Blowdown Heat Transfer program at the Oak Ridge National Laboratory is designed to determine the time to critical heat flux (CHF) at the fuel-coolant interface and the heat transfer rates during pre and post CHF regimes of the blowdown (rapid depressurization and coolant loss) phase of a loss of coolant accident as influenced by variations in reactor power, system pressure, coolant flow and pipe break locations.

Status:

Thirty-two blowdown tests, simulating double-ended pressurizer water reactor (PWR) pipe breaks, have been completed using a 49 fuel rod electrically heated test bundle. The full length bundle simulates a portion of a PWR nuclear core. Twenty-three of the tests were performed with four rods unpowered to study the influence of unheated PWR rods (such as control rod thimbles which contain no uranium) on the time to CHF and the temperature rise during blowdown. Two failed rods are being used in unpowered positions.

Assembly of the second fuel simulator bundle is complete. This second bundle will be available for continuing the test series.

Rearrangement of the primary loop piping has been completed to provide a more realistic hydraulic simulation. The THTF is now shutdown, as planned, to install two refurbished generators, additional flow instrumentation and additional data acquisition equipment. Testing is expected to resume during January 1979.

Problems:

NRC has provided \$325K of the funds required to rebuild two of the four large (2.5 Mwe) generators shared by this program and the DOE fusion program. DOE headquarters has recently provided funding to the Oak Ridge DOE field office to cover the cost of rebuilding one of the generators. The first two generators have been refurbished and will soon be installed in place of the two now in use. Bids have been solicited for refurbishment of the two to be removed. Further arrangements will be necessary between NRC and DOE to cover the cost of rebuilding both generators.

NUCLEAR REGULATORY RESEARCH DATA AS OF: DECEMBER 15, 1978

HEAVY SECTION STEEL TECHNOLOGY PROGRAM (HSST)

PURPOSE:

The purpose of the HSST program is to develop and evaluate methods of fracture analysis of heavy section steel light water reactor pressure vessels for inclusion in codes and standards. Thermal shock and pressure tests of model reactor pressure vessels are carried out at the Oak Ridge National Laboratory. The state of the art is being advanced both in the effects of irradiation and in the methods used to assess reactor safety.

STATUS:

Tests on deliberately flawed vessels have been performed. Pressures from two to three times design pressure have been required to cause vessel failure.

The test of ITV-8 was conducted on July 27, 1978, at a temperature of 0°F. ITV-8 had an axial, part circular flaw, approximately three inches deep, and with a fatigue pre-crack. The flaw was located in the construction weld, about 1/2 inch from the repair weld. It was determined that this location is the most critical, considering both fracture toughness and residual stress. The test results were that fracture initiated and arrested at about half the design pressure. The vessel was reloaded with the larger crack and reinitiated and rearrested at about design pressure (9500psi). The crack initiation and arrest results agreed well with prediction of vessel behavior especially when the stress used for the prediction is a combination of the pressure and the residual stresses.

Four thermal shock experiments on test cylinders have been performed to simulate effects of cold ECCS water injections into hot steel pressure vessels. The fourth test was performed on a metallurgically degraded cylinder with a long axial flaw on the inner surface. Rapid propagation of a crack initiated from this flaw at the predicted time and then arrested as predicted. The influence of warm prestressing upon crack extension resulting from thermal shock will now be studied in larger diameter (39 inches OD cylinders).

An irradiation program on heavy section low ductile shelf weld metal test specimens is underway to quantify the potential toughness loss caused by neutron irradiation damage. The first irradiation was completed in March 1977 and the initial testing has begun. The second and third irradiation are complete. A qualification program, for the testing method to be used to evaluate the fracture toughness in fracture mechanics terms from small specimens, is essentially complete so that the start of testing is scheduled for early 1979.

PROBLEMS:

None

NUCLEAR REGULATORY RESEARCH

DATA AS OF: DECEMBER 15, 1978

ACRR (ANNULAR CORE RESEARCH REACTOR) RESEARCH PROGRAM

PURPOSE:

To develop a data base and verified analytical models for use in fast reactor safety assessment in the following areas:

1. The threat of accident energetics to the integrity of the reactor primary system.
2. The threat of post-accident core debris to the integrity of the primary system and particularly the containment.

STATUS:

Major components of the high-precision fuel-motion diagnostics system have been installed in the ACRR. Minor difficulties delaying final assembly were encountered. The assembly now will be completed in early January after which the check-out test of the diagnostics system in ACRR will be performed. The first DOE/DMA experiments have been performed in ACRR, and preparations for renewal of the NRC/RSR program of experiments are underway. The initial experiment, a continuation of the Prompt-Burst-Energetics (PBE) series on the work (damage) potential of extreme hypothesized core-disassembly accidents is scheduled for early February. Measurements mapping the characteristics of ACRR for use in experiments are continuing.

Two summary topical reports have been issued on the three unique in-core experiments on the coolability limits of particulate core debris under sodium that were performed in the old ACRR before shutdown. A Research Information Letter (RIL) summarizing and transmitting these results to NRR is being prepared.

PROBLEMS:

None

**SECTION X - FOREIGN REACTORS
& EXPORT LICENSE APPLICATIONS**

SUMMARY OF FOREIGN POWER REACTORS

NUMBERS IN PARENTHESES ARE NET MWE

DATA AS OF: NOVEMBER 30, 1978

COUNTRY	REACTORS OPERATING	REACTORS UNDER CONST	REACTORS PLANNED	TOTAL REACTORS
ARGENTINA	1 (319)	1 (600)	1	3
BELGIUM	3 (1650)	3 (2825)	1	7
BRAZIL	-	2 (1870)	1	3
BULGARIA	2 (440)	2 (440)	0	4
CANADA	9 (4750)*	6 (3494)	5	20
CHINA, REPUBLIC OF (TAIWAN)	1 (636)	5 (4508)	-	6
CUBA	-	-	1	1
CZECHOSLOVAKIA	1 (110)	4 (0760)	-	5
DENMARK	-	-	2	2
EGYPT	-	-	3	3
FINLAND	1 (420)	3 (3740)	3	7
FRANCE	14 (6448)*	23 (20,311)	12	49
GERMAN DEMOCRATIC REPUBLIC	3 (950)	4 (1760)	-	7
GERMAN FEDERAL REPUBLIC	12 (7205)*	9 (9932)	7	28
GREECE	-	-	1	1
HUNGARY	-	4 (1740)	-	4
INDIA	3 (602)	5 (1080)	-	8
INDONESIA	-	-	1	1
IRAN	-	2 (2400)	2	4
IRELAND	-	-	1	1
ISRAEL	-	-	1	1
ITALY	4 (387)	1 (40)	4	9
JAPAN	18 (11502)	8 (65839)	1	27
KOREA, REPUBLIC OF SOUTH	1 (595)	2 (1294)	6	9
LUXEMBOURG	-	-	1	1
MEXICO	-	2 (308)	-	2
NETHERLANDS	2 (498)	-	-	2
NORWAY	-	-	1	1
PAKISTAN	1 (125)	-	1	2
PHILIPPINES	-	-	2	2
POLAND	-	-	2	2
ROMANIA	-	-	1	1
SOUTH AFRICA, REPUBLIC OF	-	-	2	2
SPAIN	4 (1973)	7 (6310)	6	17
SWEDEN	7 (4619)	3 (2700)	2	12
SWITZERLAND	3 (1006)	1 (920)	3	7
TURKEY	-	-	1	1
UNITED KINGDOM	33 (8080)	6 (3700)	-	39
USSR	22 (8875)*	11 (10040)	-	33
YUGOSLAVIA	-	1 (615)	-	1
TOTAL	145 (62190)	115 (88226)	75	335

SOURCE: OFFICE OF INTERNATIONAL PROGRAMS

*REACTOR CONSTRUCTION COMPLETED, NOT YET IN COMMERCIAL OPERATION

CANADA	BRUCE 3	746	CANDU
FRANCE	FESSENHEIM 2	890	PWR
	RUGEY 2	925	PWR
	RUGEY 3	925	PWR
FRG	TSAR	870	BWR
USSR	KURSK	1000	LGR

EXPORT LICENSE APPLICATIONS

DATA AS OF: NOVEMBER 30, 1978

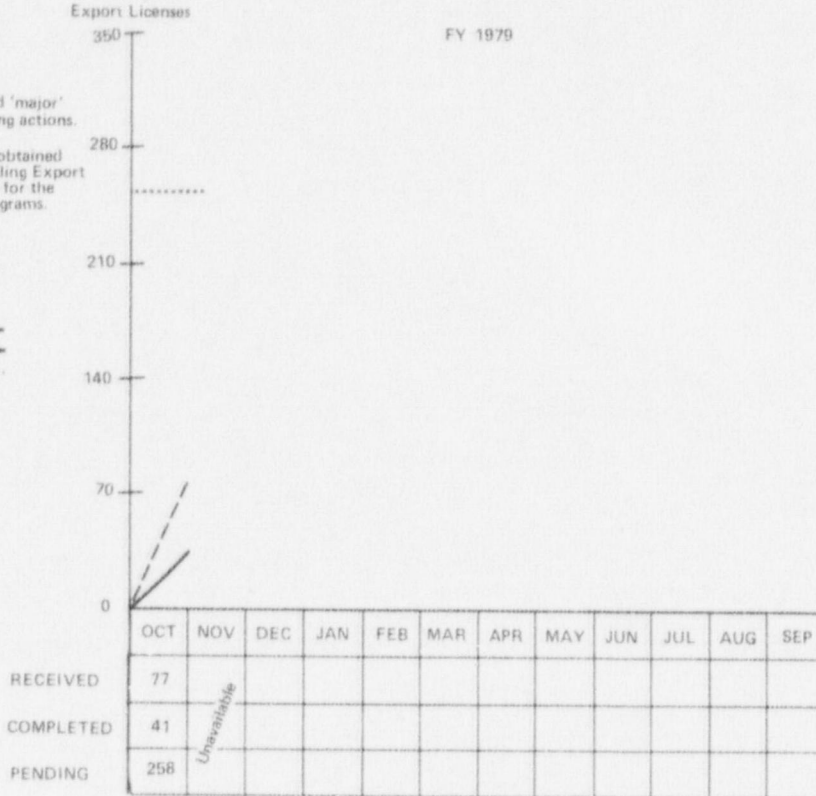
Export Licenses
FY 1979

DESCRIPTION:

This chart tracks combined 'major' and 'minor' export licensing actions.

Statistics for this page are obtained from the Summary of Pending Export Licenses prepared by MPA for the Office of International Programs.

KEY:
 RECEIVED - - - - -
 COMPLETED —————
 PENDING ········

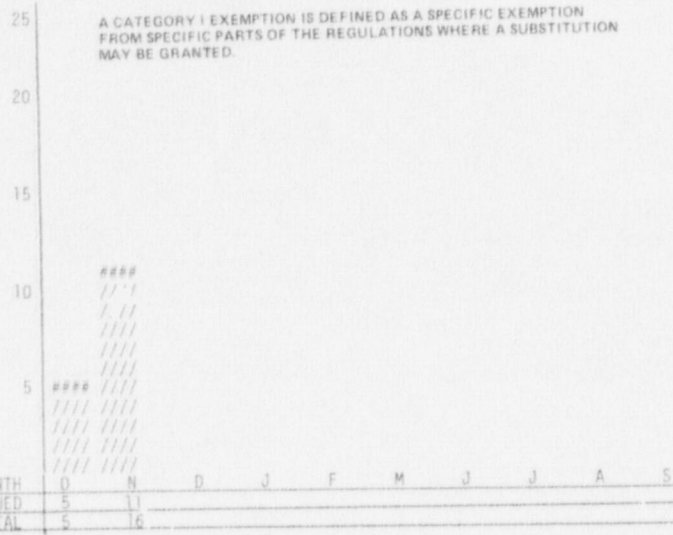


Awaiting Applicant Reply:	3	3										
In Preparation For Transmittal To State Department:	12	3										
Under Executive Branch Review:	177	182										
Routine Reload	0	7										
In Preparation For Commission Review:	6	5										
Sent to DOE	7	13										
Under Commission Review:	9	4										
In Process For Issuance:	2	3										
Under Further Review - Special Case:	5	6										
Under Generic Approval	8	3										
Returned From State - No Action	0	0										
Amendment only in Process Issuance	4	0										
Awaiting generic assurances on transfer of components & materials .	25	42										

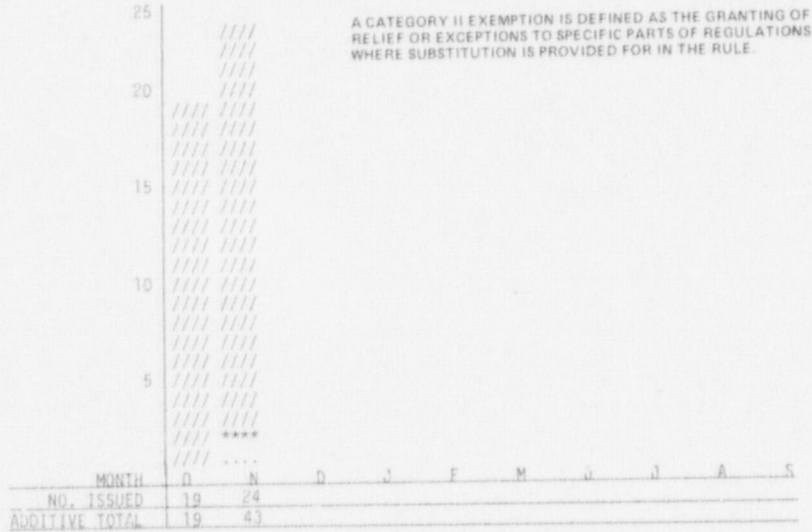
SECTION XI - EXEMPTIONS

EXEMPTIONS ISSUED

CATEGORY I EXEMPTIONS ISSUED DURING FY 1979 (SEE FOOTNOTES)



CATEGORY II EXEMPTIONS ISSUED DURING FY 1979 (SEE FOOTNOTES)



KEY

A = ###	PRODUCTION & UTILIZATION FACILITIES
B = ///	MATERIALS
C = ***	TRANSPORTATION
D = ...	IMPORT/EXPORT

FOOTNOTE:
1. DPM DID NOT HAVE ANY EXEMPTIONS IN NOVEMBER.

FOR ADDITIONAL INFORMATION CONTACT GLORIA M. BENNINGTON, 49-27507.