

U. S. NUCLEAR REGULATORY COMMISSION
 FACILITIES LICENSE APPLICATION RECORD

PART I - Operating Licenses and Authorizations and Construction Permits in Effect Plus Applications Pending

	<u>Page No.</u>
Central Station Nuclear Power Plants ^{1/}	1
Special Projects ^{1,2/}	17
Experimental and Test Reactors ^{1/}	19
Propulsion Reactors ^{1/}	20
Research Reactors	20
Critical Experiment Facilities	25
Production Facilities	25
Footnotes	26

PART II - Applications Withdrawn or Denied, and Licenses and Construction Permits Terminated or Revoked

PART III - Research, Test and Power Reactors for Export

1/ Code

BWR - Boiling Water Reactor	OMR - Organic Moderated Reactor
ESR - Experimental Superheat Reactor	PWR - Pressurized Water Reactor
FBR - Fast Breeder Reactor	SCR - Sodium Cooled Reactor
HTGR - High Temperature Gas Cooled Reactor	SGR - Sodium Graphite Reactor
HWR - Heavy Water Reactor	T - Test Reactor
POL - Provisional Operating License	POA - Provisional Operating Authorization
OL - Full Term Operating License	OA - Full Term Operating Authorization
NPF - Nuclear Power Facility License	PDA - Preliminary Design Approval

2/ Includes standardized plant applications, manufacturing licenses, limited early site reviews, etc.

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PART I

FACILITIES LICENSE APPLICATION RECORD

Operating Licenses Construction Permits in Effect
Plus Applications Pending

Central Station Nuclear Power PlantsLicenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License</u>		<u>Date</u> <u>Issued</u>	<u>Authorized</u> <u>Power Level</u>		<u>Type</u>	<u>Location</u>
		<u>No.</u>			<u>MW(t)</u>	<u>MW(e)</u>		
Alabama Power Company (Farley 1)	50-348	NPF-2	OL	6/25/77	2652	829	PWR	Houston Co., Alabama
Arkansas Power & Light Co. (Arkansas 1)	50-313	DPR-51	OL	5/21/74	2568	850	PWR	Pope Co., Arkansas
Arkansas Power & Light Co. (Arkansas 2)	50-368	NPF-6	OL	7/18/78	2815	912	PWR	Pope Co., Arkansas
Baltimore Gas & Electric Co. (Calvert Cliffs 1)	50-317	DPR-53	OL	7/31/74	2560	845	PWR	Calvert Co., Maryland
Baltimore Gas & Electric Co. (Calvert Cliffs 2)	50-318	DPR-69	OL	8/13/76	2560	845	PWR	Calvert Co., Maryland
Boston Edison Co. (Pilgrim 1)	50-293	DPR-35	OL	6/8/72	1998	655	BWR	Plymouth Co., Massachusetts
Carolina Power & Light Co. (Brunswick 1)	50-325	DPR-71	OL	9/8/76	2436	821	BWR	Brunswick Co., N. Carolina
Carolina Power & Light Co. (Brunswick 2)	50-324	DPR-62	OL	12/27/74	2436	821	BWR	Brunswick Co., N. Carolina
Carolina Power & Light Co. (H. B. Robinson 2)	50-261	DPR-23	OL	7/31/70	2200	700	PWR	Darlington Co., S. Carolina
Commonwealth Edison Co. (Dresden 1)	50-10	DPR-2	POL	9/28/59	700	200	BWR	Grundy Co., Illinois
			OL	10/14/60				
Commonwealth Edison Co. (Dresden 2)	50-237	DPR-19	POL	12/22/69	2527	794	BWR	Grundy Co., Illinois
Commonwealth Edison Co. (Dresden 3)	50-249	DPR-25	OL	1/12/71	2527	794	BWR	Grundy Co., Illinois

PART I

Central Station Nuclear Power Plants - continued

Licenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Commonwealth Edison Co. (Quad-Cities 1)	50-254	DPR-29 OL	10/1/71	2511	789	BWR	Rock Island Co., Illinois
Commonwealth Edison Co. (Quad-Cities 2)	50-265	DPR-30 OL	3/31/72	2511	789	BWR	Rock Island Co., Illinois
Commonwealth Edison Co. (Zion 1)	50-295	DPR-39 OL	4/6/73	3250	1040	PWR	Lake Co., Illinois
Commonwealth Edison Co. (Zion 2)	50-304	DPR-48 OL	11/14/73	3250	1040	PWR	Lake Co., Illinois
Connecticut Yankee Atomic Power Co. (Conn Yankee)	50-213	DPR-14 POL DPR-61 OL	6/30/67 12/27/74	1825	575	PWR	Middlesex Co., Connecticut
Consolidated Edison Co. of NY (Indian Point 1) Shutdown	50-3	DPR-5 POL	3/26/62	615	265	PWR	Westchester Co., New York
Consolidated Edison Co. of NY (Indian Point 2)	50-247	DPR-26 OL	10/19/71	2758	873	PWR	Westchester Co., New York
Consumers Power Co. (Big Rock Point)	50-155	DPR-6 POL OL	8/30/62 5/1/64	240	72	BWR	Charlevoix Co., Michigan
Consumers Power Co. (Palisades)	50-255	DPR-20 POL	3/24/71	2200	805	PWR	Van Buren Co., Michigan
Dairyland Power Cooperative (Lacrosse)	115-5 115-5	DPRA-5 POA DPRA-6 POA	7/3/67 10/31/69 ^{1/}	165	50	BWR	Monroe Co., Wisconsin
Duke Power Company (Oconee 1)	50-409	DPR-45 POL	8/28/73 ^{1/}	2568	887	PWR	Oconee Co., South Carolina
Duke Power Company (Oconee 2)	50-270	DPR-38 OL	2/6/73	2568	887	PWR	Oconee Co., South Carolina
Duke Power Company (Oconee 3)	50-287	DPR-47 OL	10/6/73	2568	887	PWR	Oconee Co., South Carolina
		DPR-55 OL	7/19/74	2568	887	PWR	Oconee Co., South Carolina

PART I

Central Station Nuclear Power Plants - continued

Licenses in Effect for Operating Reactors

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				<u>MW(t)</u>	<u>MW(e)</u>		
Duquesne Light Co. (Beaver Valley 1)	50-334	DPR-66 OL	1/30/76	2652	852	PWR	Beaver Co., Pennsylvania
Florida Power Corp. (Crystal River 3)	50-302	DPR-72 OL	12/3/76	2452	825	PWR	Citrus Co., Florida
Florida Power & Light Co. (St. Lucie 1)	50-335	DPR-67 OL	3/01/76	2560	802	PWR	St. Lucie Co., Florida
Florida Power & Light Co. (Turkey Point 3)	50-250	DPR-31 OL	7/19/72	2200	693	PWR	Dade Co., Florida
Florida Power & Light Co. (Turkey Point 4)	50-251	DPR-41 OL	4/10/73	2200	693	PWR	Dade Co., Florida
Georgia Power Company (Edwin I. Hatch 1)	50-321	DPR-57 OL	8/06/74	2436	786	BWR	Appling Co., Georgia
Georgia Power Company (Edwin I. Hatch 2)	50-366	NPF-5 OL	6/13/78	2436	795	BWR	Appling Co., Georgia
Indiana & Michigan Electric Co. (D. C. Cook 1)	50-315	DPR-58 OL	10/25/74	3250	1054	PWR	Berrien Co., Michigan
Indiana & Michigan Electric Co. (D. C. Cook 2)	50-316	DPR-74 OL	12/23/77	3391	1060	PWR	Berrien Co., Michigan
Iowa Electric Light & Power Co. (Duane Arnold)	50-331	DPR-49 OL	2/22/74	1593	538	BWR	Linn Co., Iowa
Jersey Central Power & Light Co. (Oyster Creek 1)	50-219	DPR-16 POL	4/9/69	1930	650	BWR	Ocean Co., New Jersey
Maine Yankee Atomic Power Co. (Maine Yankee)	50-309	DPR-36 OL	9/15/72	2560	790	PWR	Lincoln Co., Maine
Metropolitan Edison Co. (Three Mile Island 1)	50-289	DPR-50 OL	4/19/74	2535	819	PWR	Dauphin Co., Pennsylvania
Metropolitan Edison Co. (Three Mile Island 2)	50-320	DPR-73 OL	2/8/78	2772	906	PWR	Dauphin Co., Pennsylvania

MDC = Maximum Dependable Capacity

PART I

Central Station Nuclear Power Plants - continued
Licenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Nebraska Public Power District (Cooper Station)	50-298	DPR-46 OL	1/18/74	2381	778	BWR	Nemaha Co., Nebraska
Niagara Mohawk Power Corp. (Nine Mile Point 1)	50-220	DPR-17 POL DPR-63 OL	8/22/69 12/26/74	1850	610	BWR	Oswego Co., New York
Northeast Nuclear Energy Co. (Millstone 1)	50-245	DPR-21 POL	10/7/70	2011	660	BWR	New London Co., Connecticut
Northeast Nuclear Energy Co. (Millstone 2)	50-336	DPR-65 OL	8/1/75	2560	830	PWR	New London Co., Connecticut
Northern States Power Co. (Monticello)	50-263	DPR-22 POL	9/8/70	1670	545	BWE	Wright Co., Minnesota
Northern States Power Co. (Prairie Island 1)	50-282	DPR-42 OL	8/9/73	1650	530	PWR	Goodhue Co., Minnesota
Northern States Power Co. (Prairie Island 2)	50-306	DPR-60 OL	10/29/74	1650	530	PWR	Goodhue Co., Minnesota
Omaha Public Power District (Ft. Calhoun)	50-285	DPR-40 OL	5/24/73	1420	457	PWR	Washington Co., Nebraska
Pacific Gas & Electric Co. (Humboldt Bay) Shutdown	50-133	DPR-7 POL OL	8/28/62 1/21/69	220	63	BWR	Humboldt Co., California
Philadelphia Electric Co. (Peach Bottom 2)	50-277	DPR-44 OL	8/8/73	3293	1065	BWR	York Co., Pennsylvania
Philadelphia Electric Co. (Peach Bottom 3)	50-278	DPR-56 OL	7/2/74	3293	1065	BWR	York Co., Pennsylvania
Portland General Electric Co. (Trojan)	50-344	NPF-1 OL	11/21/75	3411	1130	PWR	Columbwa Co., Oregon
Power Authority of the State of New York (Indian Point 3)	50-286	DPR-64 OL	12/12/75	2760	873	PWR	Westchester Co., New York
Power Authority of the State of New York (FitzPatrick)	50-333	DPR-59 OL	10/17/74	2436	821	BWR	Oswego Co., New York

PART I

Central Station Nuclear Power Plants - continued

Licenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Public Service Co. of Colorado (Ft. St. Vrain)	50-267	DPR-34 OL	12/21/73	842	330	HTGP	Weld Co., Colorado
Public Service Electric & Gas Co. (Salem)	50-272	DPR-70 OL	8/13/76	3423	1090	PWR	Salem Co., New Jersey
Rochester Gas & Electric Corp. (R. E. Ginna 1)	50-244	DPR-18 POL	9/19/69	1520	490	PWR	Wayne Co., New York
Sacramento Municipal Utility District (Rancho Seco)	50-312	DPR-54 OL	8/16/74	2772	918	PWR	Sacramento Co., California
Southern California Edison Co. (San Onofre 1)	50-206	DPR-13 POL	3/27/67	1347	430	PWR	San Diego Co., California
Tennessee Valley Authority (Browns Ferry 1)	50-259	DPR-33 OL	6/26/73	3293	1065	RWP	Limestone Co., Alabama
Tennessee Valley Authority (Browns Ferry 2)	50-260	DPR-52 OL	6/28/74	3293	1065	RWP	Limestone Co., Alabama
Tennessee Valley Authority (Browns Ferry 3)	50-296	DPR-68 OL	7/2/76	3293	1065	RWR	Limestone Co., Alabama
Toledo Edison Company (Davis-Besse 1)	50-346	NPF-3 OL	4/22/77	2772	906	PWR	Ottawa Co., Ohio
Vermont Yankee Nuclear Power Corp. (Vermont Yankee)	50-271	DPR-28 OL	3/21/72	1593	514	RWP	Windham Co., Vermont
Virginia Electric & Power Co. (North Anna 1)	50-338	NPF-4 OL	11/26/77	Fuel loading		PWR	Louisa Co., Virginia
Virginia Electric & Power Co. (Surry 1)	50-280	DPR-32 OL	5/25/72	2441	822	PWR	Surry Co., Virginia
Virginia Electric & Power Co. (Surry 2)	50-281	DPR-37 OL	1/29/73	2441	822	PWR	Surry Co., Virginia

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PART I

Central Station Nuclear Power Plants - Continued

Licenses in Effect for Operating Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Wisconsin Michigan Power Co. & Wisconsin Electric Power Co. (Point Beach 1)	50-266	DPR-24 OL	10/5/70	1518	497	PWR	Manitowoc Co., Wisconsin
Wisconsin Michigan Power Co. (Point Beach 2)	50-301	DPR-27 OL	11/16/71	1518	497	PWR	Manitowoc Co., Wisconsin
Wisconsin Public Service Corp. (Kewaunee)	50-305	DPR-43 OL	12/21/73	1650	535	PWR	Kewaunee Co., Wisconsin
Yankee Atomic Electric Co. (Yankee-Rowe)	50-29	DPR-3 POL OL	7/9/60 6/23/61	600	175	PWR	Franklin Co., Massachusetts

Licenses in Effect for Reactors Not Operating

<u>Applicant</u>	<u>Docket</u>	<u>Authorized License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
General Electric Company (VBWR) Power Reactor Development Co. (Fermi 1) (Poss. only)	50-18	DPR-1	2/	50	5	BWR	Alameda Co., California
Philadelphia Electric Co. (Peach Bottom 1)	50-16	DPR-9 POL	3/	200	61	FBR	Monroe Co., Michigan
	50-171	DPR-12 POL	4/	115	40	HTGR	York County Pennsylvania Shutdown 10/31/74

Construction Permits in Effect

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
**Alabama Power Company (Farley 2)	50-364	CPPR-86	8/16/72	2652	829	PWR	Houston Co., Alabama
Arizona Public Service Co. (Palo Verde)	50-528	CPRR-141	5/25/76	3817	1238	PWR	Maricopa Co., Arizona

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PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Arizona Public Service Co. (Palo Verde 2)	50-529	CPRR-142	5/25/76	3817	1238	PWR	Maricopa Co., Arizona
Arizona Public Service Co. (Palo Verde 3)	50-530	CPRR-143	5/25/76	3817	1238	PWR	Maricopa Co., Arizona
Carolina Power & Light Co. (Harris 1)	50-400	CPPR-158	1/27/78	2775	900	PWR	Wake & Chatham Cos., N. C.
Carolina Power & Light Co. (Harris 2)	50-401	CPPR-159	1/27/78	2775	900	PWR	Wake & Chatham Cos., N. C.
Carolina Power & Light Co. (Harris 3)	50-402	CPPR-160	1/27/78	2775	900	PWR	Wake & Chatham Cos., N. C.
Carolina Power & Light Co. (Harris 4)	50-403	CPPR-161	1/27/78	2775	900	PWR	Wake & Chatham Cos., N. C.
**Cincinnati Gas & Electric Co. (Zimmer 1)	50-358	CPPR-88	10/27/72	2436	810	BWR	Clermont Co., Ohio
Cleveland Electric Illuminating Co. (Perry 1)	50-440	CPPR-148	5/3/77	3579	1205	BWR	Lake Co., Ohio
Cleveland Electric Illuminating Co. (Perry 2)	50-441	CPPR-149	5/3/77	3579	1205	BWR	Lake Co., Ohio
**Commonwealth Edison Co. (Braidwood 1)	50-456	CPPR-132	12/31/75	3425	1120	PWR	Will Co., Illinois
**Commonwealth Edison Co. (Braidwood 2)	50-457	CPPR-133	12/31/75	3425	1120	PWR	Will Co., Illinois
**Commonwealth Edison Co. (Byron 1)	50-454	CPPR-130	12/31/75	3425	1120	PWR	Ogle Co., Illinois
**Commonwealth Edison Co. (Byron 2)	50-455	CPPR-131	12/31/75	3425	1120	PWR	Ogle Co., Illinois
**Commonwealth Edison Co. (LaSalle 1)	50-373	CPPR-99	9/10/73	3292	1078	BWR	LaSalle Co., Illinois
**Commonwealth Edison Co. (LaSalle 2)	50-374	CPPR-100	9/10/73	3292	1078	BWR	LaSalle Co., Illinois

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PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
**Consumers Power Co. (Midland 1)	50-329	CPPR-81	12/15/72	2452	460	PWR	Midland Co., Michigan
**Consumers Power Co. (Midland 2)	50-330	CPPR-82	12/15/72	2452	811	PWR	Midland Co., Michigan
**Detroit Edison Company (Fermi 2)	50-341	CPPR-77	9/26/72	3293	1093	BWR	Monroe Co., Michigan
**Duke Power Co. (McGuire 1)	50-369	CPPR-83	2/28/73	3411	1180	PWR	Mecklenburg Co., North Carolina
**Duke Power Co. (McGuire 2)	50-370	CPPR-84	2/28/73	3411	1180	PWR	Mecklenburg Co., North Carolina
Duke Power Co. (Catawba 1)	50-413	CPPR-116	8/07/75	3411	1145	PWR	York Co., South Carolina
Duke Power Co. (Catawba 2)	50-414	CPPR-11	8/7/75	3411	1145	PWR	York Co., South Carolina
Duke Power Company (Cherokee 1)	50-491	CPPR-167	12/30/77	3800	1280	PWR	Cherokee Co., South Carolina
Duke Power Company (Cherokee 2)	50-492	CPPR-168	12/30/77	3800	1280	PWR	Cherokee Co., South Carolina
Duke Power Company (Cherokee 3)	50-493	CPPR-169	12/30/77	3800	1280	PWR	Cherokee Co., South Carolina
Duquesne Light Co. (Beaver Valley 2)	50-412	CPPR-105	5/3/74	2660	852	PWR	Beaver Co., Pennsylvania
Florida Power & Light Co. (St. Lucie 2)	50-389	CPPR-144	5/2/77	2560	810	PWR	St. Lucie Co., Florida
Georgia Power Company (Vogtle 1)	50-424	CPPR-108	6/28/74	3411	1113	PWR	Burke Co., Georgia
Georgia Power Company (Vogtle 2)	50-425	CPPR-109	6/28/74	3411	1113	PWR	Burke Co., Georgia
Gulf States Utilities (Riverbend 1)	50-458	CPPR-145	3/25/77	2894	934	BWR	West Feliciana Parish, La.

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PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

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				<u>MW(t)</u>	<u>MW(e)</u>		
Gulf States Utilities (Riverbend 2)	50-459	CPPR-146	3/25/77	2894	934	BWR	West Feliciana Parish, La.
**Houston Lighting & Power Co. (So. Texas 1)	50-498	CPPR-128	12/22/75	3800	1250	PWR	Matagorda Co., Texas
**Houston Lighting & Power Co. (So. Texas 2)	50-499	CPPR-129	12/22/75	3800	1250	PWR	Matagorda Co., Texas
Illinois Power Co. (Clinton 1)	50-461	CPPR-137	2/24/76	2894	933	BWR	DeWitt Co., Illinois
Illinois Power Co. (Clinton 2)	50-462	CPPR-138	2/24/76	2894	933	BWR	DeWitt Co., Illinois
Jersey Central Power & Light Co. (Forked River 1)	50-363	CPPR-96	7/10/73	3390	1070	PWR	Ocean Co., New Jersey
Kansas City Power & Light Co. (Wolf Creek)	50-482	CPPR-147	5/17/77	3411	1150	PWR	Coffey Co., Kansas
Long Island Lighting Co. (Jamesport 1)	50-516	CPPR-175	1/4/79	3411	1150	PWR	Suffolk Co., New York
Long Island Lighting Co. (Jamesport 2)	50-517	CPPR-175	1/4/79	3411	1150	PWR	Suffolk Co., New York
**Long Island Lighting Co. (Shoreham Station)	50-322	CPPR-95	4/14/73	2436	819	BWR	Suffolk Co., New York
**Louisiana Power & Light Co. (Waterford 3)	50-382	CPPR-103	11/14/74	3390	1113	PWR	St. Charles Parish, La.
**Mississippi Power & Light Co. (Grand Gulf 1)	50-416	CPPR-118	9/4/74	3833	1250	BWR	Claiborne Co., Mississippi
**Mississippi Power & Light Co. (Grand Gulf 2)	50-417	CPPR-119	9/4/74	3833	1250	BWR	Claiborne Co., Mississippi
Niagara Mohawk Power Co. (Nine Mile Point 2)	50-410	CPPR-112	6/24/74	3323	1100	BWR	Oswego Co., New York

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PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

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				<u>MW(t)</u>	<u>MW(e)</u>		
Northeast Nuclear Energy Co. (Millstone 3)	50-423	CPPP-113	8/9/74	3411	1156	PWP	New London Co., Connecticut
Northern Indiana Public Service Co. (Bailly Sta.)	50-367	CPPP-104	5/1/74	1931	645	RWP	Porter Co., Indiana
**Pacific Gas & Electric Co. (Diablo Canyon 1)	50-275	CPPP-39	4/23/68	3338	1084	PWP	San Luis Obispo Co., California
**Pacific Gas & Electric Co. (Diablo Canyon 2)	50-323	CPPP-69	12/9/70	3411	1106	PWR	San Luis Obispo Co., California
**Pennsylvania Power & Light Co. (Susquehanna 1)	50-387	CPPP-101	11/2/73	3293	1050	RWP	Luzerne Co., Pennsylvania
**Pennsylvania Power & Light Co. (Susquehanna 2)	50-388	CPPP-102	11/2/73	3293	1050	RWP	Luzerne Co., Pennsylvania
Philadelphia Electric Co. (Limerick 1)	50-352	CPPP-106	6/19/74	3293	1065	RWP	Montgomery Co., Pennsylvania
Philadelphia Electric Co. (Limerick 2)	50-353	CPPP-107	6/19/74	3293	1065	RWP	Montgomery Co., Pennsylvania
Public Service Co. of N.H. (Seabrook 1)	50-443	CPPP-135	7/7/76	3411	1200	PWP	Rockingham Co., N.H.
Public Service Co. of N.H. (Seabrook 2)	50-444	CPPP-136	7/7/76	3411	1200	PWR	Rockingham Co., N.H.
Public Service Electric & Gas Co. (Hope Creek 1)	50-354	CPPP-120	11/4/74	3293	1067	RWP	Salem Co., New Jersey
Public Service Electric & Gas Co. (Hope Creek 2)	50-355	CPPP-121	11/4/74	3293	1067	PWR	Salem Co., New Jersey
**Public Service Electric & Gas Co. (Salem Station 2)	50-311	CPPP-53	9/25/68	3423	1115	PWP	Salem Co., New Jersey
Public Service of Indiana (Marble Hill 1)	50-546	CPPP-170	4/4/78	3411	1130	PWP	Jefferson Co., Indiana

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PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

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				<u>MW(t)</u>	<u>MW(e)</u>		
Public Service of Indiana (Marble Hill 2)	50-547	CPPR-171	4/4/78	3411	1130	PWR	Jefferson Co., Indiana
Rochester Gas & Electric Corp. (Sterling 1)	50-485	CPPR-156	9/01/77	3411	1150	PWR	Oswego Co., New York
**Southern California Edison (San Onofre 2)	50-361	CPPR-97	10/18/73	3390	1100	PWR	San Diego Co., California
**Southern California Edison (San Onofre 3)	50-362	CPPR-98	10/18/73	3390	1100	PWR	San Diego Co., California
**South Carolina Electric & Gas Co. (Summer 1)	50-395	CPPR-94	3/21/73	2785	900	PWR	Fairfield Co., South Carolina
**Tennessee Valley Authority (Bellefonte 1)	50-438	CPPR-122	12/24/74	3600	1213	PWR	Jackson Co., Alabama
**Tennessee Valley Authority (Bellefonte 2)	50-439	CPPR-123	12/24/74	3600	1213	PWR	Jackson Co., Alabama
Tennessee Valley Authority (Hartsville 1)	50-518	CPPR-150	5/9/77	3579	1233	BWR	Trousdale & Smith Cos., Tennessee
Tennessee Valley Authority (Hartsville 2)	50-519	CPPR-151	5/9/77	3579	1233	BWR	Trousdale & Smith Cos., Tennessee
Tennessee Valley Authority (Hartsville 3)	50-520	CPPR-152	5/9/77	3579	1233	BWR	Trousdale & Smith Cos., Tennessee
Tennessee Valley Authority (Hartsville 4)	50-521	CPPR-153	5/9/77	3579	1233	BWR	Trousdale & Smith Cos., Tennessee
Tennessee Valley Authority (Phipps Bend 1)	50-553	CPPR-162	1/16/78	3579	1233	BWR	Hawkins Co., Tennessee
Tennessee Valley Authority (Phipps Bend 2)	50-554	CPPR-163	1/16/78	3579	1233	BWR	Hawkins Co., Tennessee
**Tennessee Valley Authority (Sequoyah 1)	50-327	CPPR-72	5/27/70	3423	1148	PWR	Hamilton Co., Tennessee

**Indicates application for operating license has been docketed for review by the Commission.

PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
**Tennessee Valley Authority (Sequoyah 2)	50-328	CPPR-73	5/27/70	3423	1148	PWR	Hamilton Co., Tennessee
**Tennessee Valley Authority (Watts Bar 1)	50-390	CPPR-91	1/23/73	3411	1177	PWR	Rhea Co., Tennessee
**Tennessee Valley Authority (Watts Bar 2)	50-391	CPPR-92	1/23/73	3411	1177	PWR	Rhea Co., Tennessee
Tennessee Valley Authority (Yellow Creek 1)	50-566	CPPR-172	11/29/78	3817	1285	PWR	Tishomingo Co., Mississippi
Tennessee Valley Authority (Yellow Creek 2)	50-567	CPPR-173	11/29/78	3817	1285	PWR	Tishomingo Co., Mississippi
**Texas Utilities Generating Co. (Comanche Peak 1)	50-445	CPPR-126	12/19/74	3411	1150	PWR	Somerville Co., Texas
**Texas Utilities Generating Co. (Comanche Peak 2)	50-446	CPPR-127	12/19/74	3411	1150	PWR	Somerville Co., Texas
Union Electric Co. (Callaway 1)	50-483	CPPR-139	4/16/76	3411	1120	PWR	Callaway Co., Missouri
Union Electric Co. (Callaway 2)	50-486	CPPR-140	4/16/76	3411	1120	PWR	Callaway Co., Missouri
**Virginia Electric & Power Co. (North Anna 2)	50-339	CPPR-78	2/19/71	2775	907	PWR	Louisa Co., Virginia
**Washington Public Power Supply System (WPPSS-2)	50-397	CPPR-03	3/19/73	3323	1100	BWP	Benton Co., Washington
Washington Public Power Supply System (WPPSS 1)	50-460	CPPR-134	12/23/75	3600	1218	PWR	Benton Co., Washington
Washington Public Power Supply System (WPPSS 4)	50-513	CPPR-174	2/21/78	3600	1218	PWR	Benton Co., Washington
Washington Public Power Supply System (WPPSS 3)	50-508	CPPR-154	4/11/78	3800	1242	PWR	Grays Harbor Co., Washington

**Indicates application for operating license has been docketed for review by the Commission.

PART I

Central Station Nuclear Power Plants - continued

Construction Permits in Effect - continued

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Washington Public Power Supply System (WPPSS 5)	50-509	CPPR-155	4/11/78	3800	1242	PWR	Grays Harbor Co., Washington

Applications for CP Pending (Docketed)

<u>Applicant</u>	<u>Docket</u>	<u>Application Docketed</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
			<u>MW(t)</u>	<u>MW(e)</u>		
Boston Edison Company (Pilgrim 2)	50-471	12/21/74	3456	1180	PWR	Plymouth Co., Massachusetts
Duke Power Company (Perkins 1)	50-488	5/24/74	3800	1280	PWR	Davie Co., North Carolina
Duke Power Company (Perkins 2)	50-489	5/24/74	3800	1280	PWR	Davie Co., North Carolina
Duke Power Company (Perkins 3)	50-490	5/24/74	3800	1280	PWR	Davie Co., North Carolina
Houston Lighting & Power Co. (Allens Creek 1)	50-466	12/7/73	3579	1150	BWR	Austin Co., Texas
New York Electric & Gas Co. (NYE&G 1)	50-596	12/28/78	3800	1250	PWR	Oswego Co., New York
New York Electric & Gas Co. (NYE&G 2)	50-597	12/28/78	3800	1200	PWR	Oswego Co., New York
Northeast Nuclear Energy Company (Montague 1)	50-496	7/12/74	3425	1150	BWR	Franklin Co., Massachusetts
Northeast Nuclear Energy Company (Montague 2)	50-497	7/12/74	3425	1150	BWR	Franklin Co., Massachusetts
Ohio Edison Company (Erie 1)	50-580	3/1/77	3780	1260	PWR	Erie Co., Ohio
Ohio Edison Company (Erie 2)	50-581	3/1/77	3780	1260	PWR	Erie Co., Ohio

PART I

Central Station Nuclear Power Plants - continued

Applications for CP Pending (Docketed) - continued

<u>Applicant</u>	<u>Docket</u>	<u>Application Docketed</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
			<u>MW(t)</u>	<u>MW(e)</u>		
Portland General Electric Co. (Pebble Springs 1)	50-514	8/6/74	3600	1260	PWR	Gilliam Co., Oregon
Portland General Electric Co. (Pebble Springs 2)	50-515	8/6/74	3600	1260	PWR	Gilliam Co., Oregon
Project Management Corp. (Clinch River)	50-537	4/11/75	975	350	LMFBR	Poane Co., Tennessee
Public Service Company of Oklahoma (Black Fox 1)	50-556	12/22/75	3425	1150	BWR	Rogers Co., Oklahoma
Public Service Company of Oklahoma (Black Fox 2)	50-557	12/22/75	3425	1150	BWR	Rogers Co., Oklahoma
Puget Sound Power & Light Co. (Skagit 1)	50-522	9/30/74	3800	1277	BWR	Skagit Co., Washington
Puget Sound Power & Light Co. (Skagit 2)	50-523	9/30/74	3800	1277	BWR	Skagit Co., Washington
Toledo Edison Co. (Davis-Besse 2)	50-500	8/9/74	2772	906	PWR	Ottawa Co., Ohio
Toledo Edison Co. (Davis-Besse 3)	50-501	8/9/74	2772	906	PWR	Ottawa Co., Ohio

Tendered CP Applications Not Yet Docketed (As of 04/31/79)

None

Inactive CP Applicants

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Application Docketed</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Alabama Power Company (Barton 1)**	50-524	NA	9/27/74	3579	1159	BWR	Chilton & Elmore Cos., Alabama

**Applicant has announced cancellation of these units.

PART I

Inactive CP Applicants

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Application Docketed</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Alabama Power Company (Barton 2)**	50-525	NA	9/27/74	3579	1159	BWR	Chilton & Elmore Cos., Alabama
Alabama Power Company (Barton 3)**	50-526	NA	9/27/74	3579	1159	BWR	Chilton & Elmore Co. Alabama
Alabama Power Company (Barton 4)**	50-526	NA	9/27/74	3579	1159	BWR	
Delmarva Power & Light Co. (Summit 1)**	50-450	NA	8/16/73	-	-	-	New Castle Co., Delaware
Delmarva Power & Light Co. (Summit 2)**	50-451	NA	8/16/73	-	-	-	New Castle Co., Delaware
Detroit Edison Co. (Greenwood 2)	50-452		9/17/73	3600	1200	PWR	St. Clair Co., Michigan
Detroit Edison Co. (Greenwood 3)	50-453		9/17/73	3600	1200	PWR	St. Clair Co., Michigan
Georgia Power Company (Vogtle 3)**	50-110	CPPR-109 6/28/74		3411	1113	PWR	Burke Co., Georgia
Georgia Power Company (Vogtle 4)**	50-111	CPPR-109 6/28/74		3411	1113	PWR	Burke Co., Georgia
Gulf States Utilities (Blue Hills 1)**	50-510		8/23/74	2814	918	PWR	Newton Co., Texas
Gulf States Utilities (Blue Hills 2)**	50-511		8/23/74	2814	918	PWR	Newton Co., Texas
Houston Lighting & Power Co. (Allens Creek 2)	50-467	NA	12/7/73	3579	1150	BWR	Austin Co., Texas

*Amendment to application changing site from Koskonong to Haven.

**Applicant has announced cancellation of these units.

PART I

Central Station Nuclear Power Plants - Continued

<u>Inactive CP Applicants</u>							
<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Application Docketed</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Northern States Power Co. (Tyrone 2)**	50-487	NA	6/21/74	3425	1150	PWR	Dunn Co., Wisconsin
Omaha Public Power District (Ft. Calhoun 2)**	50-548	NA	9/11/75	3425	1136	BWR	Washington Co., Nebraska
Philadelphia Electric Co. (Fulton 1)**	50-463		11/16/73	2973	1160	-	Lancaster Co., Pennsylvania
Philadelphia Electric Co. (Fulton 2)**	50-464		11/16/73	2973	1160	-	Lancaster Co., Pennsylvania
Potomac Electric Power Co. (Douglas Point 1)**	50-448		8/9/73	3579	1146	BWR	Charles Co., Maryland
Potomac Electric Power Co. (Douglas Point 2)**	50-449	NA	8/9/73	3579	1146	BWR	Charles Co., Maryland
Power Authority of State of New York (Greene County)*	50-549		9/15/75	3600	1191	PWR	Greene Co., New York
Public Service Co. of N. H. (Seabrook 1)	50-340	NA	4/9/69	2652	860	-	Rockingham Co., N.H. Superseded by 50-443/444
Puerto Rico Water Resources Auth. (North Coast)**	50-376		1/27/75	1780	583	PWR	Puerto Rico
San Diego Gas & Electric Co. (Sundesert 1)	50-582		4/12/77	2785	974	PWR	Riverside Co., California
San Diego Gas & Electric Co. (Sundesert 2)	50-583		4/12/77	2785	974	PWR	Riverside Co., California

*Amendment to application changing site from Koskonong to Haven.

**Applicant has announced cancellation of these units.

PART I

Central Station Nuclear Power Plants - Continued

Inactive CP Applicants

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Application Docketed</u>	<u>Power Level</u>		<u>Type</u>	<u>Location</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Virginia Electric & Power Co. (North Anna 3)	50-404	CPPR-114	7/26/74	2631	907	PWR	Louisa Co., Virginia
Virginia Electric & Power Co. (North Anna 4)	50-405	CPPR-115	7/26/74	2631	907	PWR	Louisa Co., Virginia
Virginia Electric & Power Co. (Surry 3)**	50-434	CPPP-124 12/20/74		2631	859	PWR	Surry Co., Virginia
Virginia Electric & Power Co. (Surry 4)**	50-435	CPPR-125 12/20/74		2631	859	PWR	Surry Co., Virginia
Wisconsin Electric Power Co. (Haven 1)	50-502	8/9/74 9/23/77*		2775	900	PWR	Milwaukee Co., Wisconsin
Wisconsin Electric Power Co. (Haven 2)	50-503		9/23/77	2775	900	PWR	Milwaukee Co., Wisconsin

Special Projects

<u>Applicant</u>	<u>Docket</u>	<u>Application Docketed</u>	<u>Date of PDA</u>	<u>Power Level</u>		<u>Type</u>	<u>Type of Review</u>
				<u>MW(t)</u>	<u>MW(e)</u>		
Babcock & Wilcox Co. (B-SAR-205)	50-561	3/01/76	05/31/78 (PDA-12)	3800	NA	PWR	Standardization
C. F. Braun	50-532	12/21/74	05/07/76 (PDA-5)	NA	NA	NA	Standard Turbine Building

**Applicant has announced cancellation of these units.

PART I

Special Projects - Continued

<u>Applicant</u>	<u>Docket</u>	<u>Application Docketed</u>	<u>Date of PDA</u>	<u>Power MW(t)</u>	<u>Level MW(e)</u>	<u>Type</u>	<u>Type of Review</u>
C. F. Braun	50-532	12/21/74	05/07/76 (PDA-5)	NA	NA	NA	Standard Turbine Building
Combustion Engineering, Inc. (CESSAR System 80)	50-470	12/19/73	12/31/75 (PDA-2)	3800	Under- terminated	PWR	Standardization
Ebasco Services (ESSR/B-SAR-205)	50-591	5/19/78		NA	NA		Balance of Plant for B-SAR-205 design
Ebasco Services (ESSR/CESSAR)	50-591	2/2/78		NA	NA	NA	Balance of Plant for CESSAR Design
Ebasco Services (ESSR/RESAR-414)	50-591	2/7/78		NA	NA	NA	Balance of Plant for RESAR-414 Design
Fluor-Pioneer, Inc. (BOPSSAR)	50-560	1/27/76	08/17/77 (PDA-11)	NA	NA	NA	Balance of Plant for RESAR-41 Design
Gilbert/Commonwealth	50-595	8/21/78		NA	NA	BWR	Balance of Plant for CESSAR and RESAR 414
General Atomic Corp. (GASSAR)	50-535	2/5/75			1160	HTGR	Standardization
General Electric Co. (GESSAR-251)	50-531	2/14/75	03/31/77 (PDA-9)	3800	Undetermined		Standardization
General Electric Co. (GESSAR-238)	50-447	7/30/73	12/22/75 (PDA-1)	3579	1220	BWR	Standardization
General Electric Co. (GESSAR-238 BOP Interface)	50-550	10/16/75	3/10/77 (PDA-10)	NA	NA	NA	Balance of Plant for GESSAR-238
Gibbs & Hill (GIBBSAR)	50-584	5/10/77		NA	NA	PWR	Balance of Plant for RESAR-414
Offshore Power Systems Floating Nuclear Plant 1-8	50-437	7/20/73		3411	1050		Manufacturing License
Stone & Webster Engineering Corp. (SWESSAR-P1/RESAR-41)	50-495	6/28/74	05/05/76 (PDA-4)	3800	1300	PWR	PWR Reference Nuclear Power Plant
Stone & Webster Engineering Corp. (SWESSAR P1/CESSAR)	50-495	10/21/74	08/18/76 (PDA-6)	NA	NA	PWR	PWR Reference Balance of Plant
Stone & Webster Engineering Corp. (SWESSAR-P1/RESAR-3S)	50-495	10/2/74	03/31/77 (PDA-8)	NA	NA	PWR	PWR Reference Balance of Plant

PART I

Special Projects - Continued

<u>Applicant</u>	<u>Docket</u>	<u>Application Docketed</u>	<u>Date of PDA</u>	<u>Power Level MW(t)</u>	<u>Power Level MW(e)</u>	<u>Type</u>	<u>Type of Review</u>
Westinghouse Electric Corp. (RESAR-41)	50-480	3/11/74	12/31/75 (PDA-3)	3800	1295	PWR	Standardization
Westinghouse Electric Corp. (RESAR-3S)	50-545	7/31/75	12/30/76 (PDA-7)	3425	1050	PWR	Standardization
Westinghouse Electric Corp. (RESAR-414)	50-572	12/30/76	11/14/78 (PDA-13)	3800	Unk.	PWR	Standardization

Experimental and Test Reactors

Licenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level MW(t)</u>	<u>Type</u>	<u>Location</u>
National Bureau of Standards	50-184	TR-5	11/13/67 POL 6/30/70 OL	10	T	Gaithersburg, Maryland

Licenses in Effect for Reactors Not Operating

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level MW(t)</u>	<u>Type</u>	<u>Location</u>
General Electric Company (EVESR)	50-183	DR-10	5/	17	ESR	Alameda Co., California
General Electric Company (GETR) (Shutdown)	50-70	TR-1	1/7/59	50	T	Alameda Co., California
National Aeronautics & Space Administration (Plum Brook Reactor) P. O. Issued 7/26/73	50-30	TR-3	3/14/61	60	T	Sandusky, Ohio
Saxton Nuclear Experimental Corp. (Possession Only)	50-146	DPR-4	11/15/61 POL 2/29/64 OL	28	PWR	Saxton, Pennsylvania
Westinghouse Electric Co. (WTR) (Possession Only)	50-22	TR-2	6/19/59 ^{6/}	60	T	Waltz Mill, Pennsylvania

PART I

Propulsion Reactors

Licenses in Effect for Reactors Not Operating

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level MW(t)</u>	<u>Type</u>	<u>Location</u>
Maritime Administration (N. S. Savannah) Possession only license issued 5/19/76	50-238	NS-1	8/5/65	80	PWR	N. S. Savannah

Research Reactors

Licenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
Aerotest Operations, Inc. (Industrial Reactor-TRIGA)	50-228	R-98	7/2/65	250 Kw	San Ramon, California
Armed Forces Radiobiology Research Institute (TRIGA)	50-170	R-84	6/26/62	1000 Kw	Bethesda, Maryland
Babcock & Wilcox Co. (LPR)	50-99	R-47	9/5/58	1000 Kw	Lynchburg, Virginia
Brigham Young University (L-77)	50-262	R-109	9/7/67	10 watts	Provo, Utah
California State Polytechnic College (AGN-201,100)	50-394	R-121	5/16/73	0.1 watt	San Luis Obispo, California
Catholic University of America (AGN-201, Serial 101)	50-77	R-31	11/15/67	0.1 watt	Pre USNPGS Washington, D. C.
Columbia University in the city of New York (TRIGA Mark II)	50-208	R-128	4/14/77	250 Kw	New York, New York
Cornell University (ZPR)	50-97	R-89	12/11/62	100 watts	Ithaca, New York
Cornell University (TRIGA)	50-157	R-80	1/11/62	100 Kw	Ithaca, New York
Dow Chemical Company (TRIGA Mark I)	50-264	R-108	7/3/67	100 Kw	Midland, Michigan
General Electric Co. (NTR)	50-73	R-33	10/31/57	100 Kw	Alameda County, California
Georgia Institute of Technology (AGN-201, Serial 104)	50-276	R-111	4/19/68	0.1 watt	Atlanta, Georgia
Georgia Institute of Technology	50-160	R-97	12/29/64	5 Mw	Atlanta, Georgia

PART I

Research Reactors - Continued

Licenses in Effect for Operating Reactors

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
General Atomic Company (TRIGA Mark I)	50-89	R-38	5/3/58	250 Kw	San Diego, California
General Atomic Company (TRIGA Mark F)	50-163	R-67	7/1/60	1500 Kw	San Diego, California
Idaho State University (AGN-201, Serial 103)	50-284	R-110	10/11/67	0.1 watt	Pocatello, Idaho
Iowa State University (UTR-10)	50-116	R-59	10/16/59	10 Kw	Ames, Iowa
Kansas State University (TRIGA)	50-188	R-88	10/16/62	250 Kw	Manhattan, Kansas
Manhattan College	50-199	R-94	3/24/64	0.1 watt	Riverdale, New York
Massachusetts Institute of Technology	50-20	R-37	6/9/58	5000 Kw	Cambridge, Massachusetts
Memphis State University (AGN-201, Serial 108)	50-538	R-127	12/10/76	0.1 watt	Shelby County, Tenn.
Michigan State University (TRIGA Mark I)	50-294	R-114	3/21/69	250 Kw	Lansing, Michigan
Rockwell International Corp. (Model L-85)	50-375	R-188	1/5/72	3 watts	Santa Suanna, California
North Carolina State University (PULSTAR)	50-297	R-120	8/25/72	1000 Kw	Raleigh, North Carolina
Northrop Corporate Laboratories (TRIGA Mark F)	50-187	R-90	3/4/63	1000 Kw	Hawthorne, California
Ohio State University	50-150	R-75	2/24/61	10 Kw	Columbus, Ohio
Oregon State University (AGN-201, Serial 114)	50-106	R-51	11/13/58	0.1 watt	Corvallis, Oregon
Oregon State University (TRIGA Mark II)	50-243	R-106	3/7/67	1000 Kw	Corvallis, Oregon
Pennsylvania State University (TRIGA Mark III)	50-5	R-2	7/8/55	1000 Kw	University Park, Pennsylvania

PART I

Research Reactors - continued

Licenses in Effect for Operating Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
Purdue University	50-182	R-87	8/16/62	10 Kw	West Lafayette, Indiana
Reed Institute (TRIGA)	50-288	R-112	7/2/68	250 Kw	Portland, Oregon
Rhode Island & Providence Plantations AEC	50-193	R-95	7/21/64	2000 Kw	Ft. Kearney, Narragansett, R.I.
State University of New York	50-57	R-77	3/24/61	2000 Kw	Buffalo, New York
Texas A&M University (TRIGA)	50-128	R-83	12/7/61	1000 Kw	College Station, Texas
Texas A&M University (AGN-201M, Serial 106)	50-59	R-23	8/26/57	5 watts	College Station, Texas
Tuskegee Institute (AGN 201 #102)	50-406	R-122	8/30/74	0.1 watt	Tuskegee, Alabama
Union Carbide Corporation	50-54	R-81	9/7/61	5000 Kw	Sterling Forest, New York
U.S. Geological Survey, Dept. of the Interior (TRIGA Mark I)	50-274	R-113	2/24/63	1000 Kw	Jefferson County, Colorado
University of:					
Arizona (TRIGA)	50-113	R-52	12/5/58	100 Kw	Tucson, Arizona
California (Argonaut)	50-142	R-71	10/3/60	100 Kw	Los Angeles, California
California (TRIGA Mark III)	50-224	R-101	8/10/66	1000 Kw	Berkeley, California
California (TRIGA Mark I)	50-326	R-116	11/24/69	250 Kw	Irvine, California
California (L-77)(Tran. from U. of Nev.)	50-433	R-124	12/3/74	10 watts	Santa Barbara, California
Delaware (AGN-201, #113)	50-98	R-43	7/3/58	0.1 watt	Newark, Delaware
Florida (Argonaut)	50-83	R-56	5/21/59	100 Kw	Gainesville, Florida
Illinois (Advanced TRIGA)	50-151	R-115	7/22/69	1500 Kw	Urbana, Illinois
Illinois (LOPRA)	50-356	R-117	12/27/71	10 Kw	Urbana, Illinois
Kansas	50-148	R-78	6/23/61	250 Kw	Lawrence, Kansas
Lowell	50-223	R-125	12/24/74	1000 Kw	Lowell, Massachusetts
Maryland (TRIGA)	50-166	R-70	10/14/60	250 Kw	College Park, Maryland
Michigan	50-2	R-28	9/13/57	2000 Kw	Ann Arbor, Michigan
Missouri (200 Kw)	50-123	R-79	11/21/61	200 Kw	Rolla, Missouri
Missouri (10 Mw)	50-186	R-103	10/11/66	10 Mw	Columbia, Missouri

PART I

Research Reactors - continued

Licenses in Effect for Operating Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
New Mexico (AGN-201M, #112)	50-252	R-102	9/17/66	5 watts	Albuquerque, New Mexico
Oklahoma (AGN-211, #102)	50-112	R-53	12/29/58	15 watts	Norman, Oklahoma
Texas (TRIGA)	50-192	R-92	8/2/63	250 Kw	Austin, Texas
Utah (AGN-201M, Serial 107)	50-72	R-25	9/12/57	5 watts	Salt Lake City, Utah
Utah (TRIGA Mark I)	50-407	R-126	9/30/75	100 Kw	Salt Lake City, Utah
Virginia	50-62	R-66	6/27/60	2000 Kw	Charlottesville, Virginia
Virginia (Cavalier)	50-396	R-123	9/24/74	100 watts	Charlottesville, Virginia (from U. of Nevada)
Washington	50-139	R-73	3/31/61	100 Kw	Seattle, Washington
Wisconsin (TRIGA)	50-156	R-74	11/23/60	1000 Kw	Madison, Wisconsin
V. A. Hospital (TRIGA)	50-131	R-57	6/26/59	18 Kw	Omaha, Nebraska
Virginia Polytechnic Institute (UTR-10)	50-124	R-62	12/18/59	100 Kw	Blacksburg, Virginia
Washington State University	50-27	R-76	3/6/61	1000 Kw	Pullman, Washington
Westinghouse Electric Corp. (NTR)	50-87	R-119	1/28/72	10 Kw	Zion, Illinois
Worcester Polytechnic Institute	50-134	R-61	12/16/59	10 Kw	Worcester, Massachusetts

Licenses in Effect for Reactors Not Operating

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
Army Materials & Mechanics Research Center (Watertown Arsenal) Poss. only	50-47	R-65	6/14/60	5000 Kw	Watertown, Massachusetts
Battelle Memorial Institute (Possession only)	50-6	R-4	8/10/56	2000 Kw	West Jefferson, Ohio (Shut down 12/31/74)
National Aeronautics & Space Administration (MUR) (Possession only)	50-185	R-93	8/1/63	100 Kw	Sandusky, Ohio

PART I

Research Reactors - continued

Licenses in Effect for Reactors Not Operating

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
North Carolina State University (Possession only)	50-111	R-63	3/16/60	10 Kw	Raleigh, North Carolina
Rockwell International Corp. (L-77) Dismantling Order Issued 9/29/76	50-94	R-40	5/17/58	10 Kw	Canoga, California
Stanford University (Possession only)	50-141	R-60	12/4/59	10 Kw	Stanford, California
West Virginia University (AGN-211, Serial 103) (Possession only) Dismantling Order Issued 1/22/80	50-129	R-58	7/28/59	75 watts	Morgantown, West Virginia
Industrial Reactor Laboratories, Inc. (Possession only) Dismantling Order Issued 9/12/75	50-17	R-46	10/10/58	5000 Kw	Plainsboro Township, New Jersey

Construction Permits in Effect

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Authorized Power Level</u>	<u>Location</u>
Mississippi State University (Raleigh Reactor)-	50-241	CPRR-91	3/2/66	100 watts	State College, Mississippi

Applications Pending

<u>Applicant</u>	<u>Docket</u>	<u>Date of Application</u>	<u>Power Level</u>	<u>Location</u>
None				

PART I

Critical Experiment Facilities

Licenses in Effect for Operating Facilities

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Location</u>	<u>Experiments</u>
Babcock & Wilcox Co.	50-13	CX-10	1/22/58	Lynchburg, Va.	NMSR experiments
Battelle Memorial Institute	50-360	CX-26	11/29/71	Richland, Wash.	Plutonium Recycle Critical
Rensselaer Polytechnic Institute	50-225	CX-22	7/3/64	Schnectady, N.Y.	
Rockwell International Corp. (Possession only)	50-147	CX-17	10/3/60	Ventura Co., Cal.	AETR experiments (termination requested)

Applications Pending

<u>Applicant</u>	<u>Docket</u>	<u>Date of Application</u>	<u>Location</u>	<u>Experiments</u>
None				

Production Facilities

Licenses in Effect

<u>Applicant</u>	<u>Docket</u>	<u>License No.</u>	<u>Date Issued</u>	<u>Location</u>
Nuclear Fuel Services, Inc. & New York State Atomic Development Authority	50-201	CSF-1	4/19/66	Ashford, Cattaraugus Co., New York (Shutdown)

Construction Permits in Effect

<u>Applicant</u>	<u>Docket</u>	<u>Permit No.</u>	<u>Date Issued</u>	<u>Location</u>
Allied General Nuclear Systems, Inc. (Barnwell)	50-332	CPCSF-4	12/18/70	Barnwell, South Carolina
General Electric Company (Midwest Fuel Recovery Plant)	50-268	CPCSF-3	12/28/67	Grundy Co., Illinois

PART I

Applications for CP Pending

<u>Applicant</u>	<u>Docket</u>	<u>Application Docketed</u>	<u>Location</u>
Exxon Nuclear Co., Inc. (NFRRRC)	50-564	6/16/76	Roane Co., Tennessee

- 1/ DPRA-6 issued to Dairyland Power Cooperative supersedes DPRA-5 previously issued to Allis-Chalmers Manufacturing Company. Converted to Part 50 license DPR-45 on 8/28/73.
- 2/ Reactor shutdown since 12/9/63; Possession only license issued 9/9/65; Order to dismantle issued 7/25/66.
- 3/ Possession only license issued 9/5/73.
- 4/ Reactor permanently shutdown on 10/31/74.
- 5/ Reactor shutdown 2/1/67; License for possession only on 6/17/68; Facility being dismantled.
- 6/ WTR has been shutdown; Possession only license issued 3/25/63; Order to partially dismantle issued 5/19/69.
- 7/ Provisional Construction Permit issued 3/2/66 to MSU authorizing the University to receive, possess and store, but not assemble, reactor components.

PART II

FACILITIES LICENSE APPLICATION RECORD

Applications Withdrawn or Denied, and Licenses
and Construction Permits Terminated or Revoked

Power Reactors (Parts 50 and 115)

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Arizona Public Service Co. (Palo Verde 4)	50-592	Maricopa Co., Arizona	Application Withdrawn 9/27/79
Arizona Public Service Co. (Palo Verde 5)	50-593	Maricopa Co., Arizona	Application Withdrawn 9/27/79
Boston Edison Co. (Pilgrim 3)	50-472	Plymouth Co., Massachusetts	Application withdrawn 8/15/74 due to financial and need for power considerations
Carolinas-Virginia Nuclear Power Associates (CVTR)	50-144	Parr, South Carolina	Lic. terminated 6/25/68 at licensee's request
Cincinnati Gas & Electric Co. (Zimmer 2)	50-359	Clermont Co., Ohio	Application Withdrawn 12/17/70
Consolidated Edison Co. of NY (Ravenswood)	50-204	Borough of Queens, N.Y.	Application Withdrawn 1/6/64
Consolidated Edison Co. (Verplanck 1)	50-342	Westchester Co., N.Y.	Application Withdrawn 10/20/72
Consolidated Edison Co. (Verplanck 2)	50-343	Westchester Co., N.Y.	Application Withdrawn 10/20/72
Consumers Power Co. (Quanicassee 1)	50-475	Bay County, Michigan	Application withdrawn 8/2/74 due to financial and need for power considerations
Consumers Power Co. (Quanicassee 2)	50-476	Bay County, Michigan	Application withdrawn 8/2/74 due to financial and need for power considerations
Florida West Coast Nuclear Group, Inc.	50-152	Polk County, Florida	Application Withdrawn 6/26/61
Florida Power Corporation (Crystal River Unit 4)	50-303	Citrus County, Florida	Application Withdrawn 3/25/68
Louisiana Power & Light Co. (Waterford 4)	50-383	St. Charles Parrish, La.	Application Withdrawn 10/26/71

PART II

Power Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Los Angeles, City of (Bolsa Island - Dept. Unit)	50-307	Orange County, California	Application Withdrawn 12/30/68
Los Angeles Department of Water and Power (MALIBU)	50-214	Corral Canyon, California	Application Withdrawn 10/23/73
Maritime Administration	50-232	N. S. Savannah	Application Withdrawn 1/29/65
Nebraska Public Power District (Hallam)	115-3	Hallam, Nebraska	Authorization terminated 7/20/71 on request
New England Power & Light Co. (New England 1)	50-568	Washington Co., Rhode Island	Application Withdrawn 12/26/79
New England Power & Light Co. (New England 2)	50-569	Washington Co., Rhode Island	Application Withdrawn 12/26/79
New York State Electric & Gas Corp. (Bell Station)	50-319	Niagara Co., N. Y.	Application Withdrawn 7/27/73
Niagara Mohawk Power Corp. (Easton Station)	50-300	Washington Co., New York	Application Withdrawn 8/22/68
Northern States Power Co. (Pathfinder)	50-130	Sioux Falls, S. D.	License terminated 3/5/73 at licensee's request
Northern States Power Co. (Tyrone 1)	50-424	Dunn Co., Wisconsin	Application Withdrawn 7/26/79
Pacific Gas & Electric Co. (Bodega Bay)	50-205	Bodega Bay, California	Application Withdrawn 11/4/64
Pacific Gas & Electric Co. (Mendocino 1)	50-398	Mendocino Co., California	Application Withdrawn 1/19/73
Pacific Gas & Electric Co. (Mendocino 2)	50-399	Mendocino Co., California	Application Withdrawn 1/19/73
Public Service Electric & Gas Co. (Atlantic 2)	50-477	off New Jersey Shore	Application Withdrawn 12/20/78
Public Service Electric & Gas Co. (Atlantic 2)	50-478	off New Jersey Shore	Application Withdrawn 12/20/78
SAFAC Inc. (N. S. Savannah)	50-314	Galveston, Texas	Application Withdrawn 6/19/68
Southern California Edison Co. & San Diego G&E Co. (Bolsa)	50-308	Orange Co., California	Application Withdrawn 11/4/68

PART II

Power Reactors - continued

Applicant

City of Piqua, PNPf	115-2	Piqua, Ohio	Authorization terminated 4/24/69 on request
Puerto Rico Water Resources Authority (BONUS)	115-4	Punta Higuera, Puerto Rico	Authorization terminated 6/5/72 on request
United Power Association (Elk River)	115-1	Elk River, Minnesota	Authorization terminated 9/30/74 on request

Special Projects

Bacock & Wilcox Co. B-SAR-241	50-481	Standardized Plant Review	Application Withdrawn 12/74
Baltimore Gas & Electric Co. (Perryman Site)	50-586	Limited Early Site Review (LESR)	Application Withdrawn 3/2/78

Experimental and Test Reactors

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
General Electric Co. (SEFOR)	50-231	Cone Creek Township, Ark.	License terminated 5/14/74 at licensee's request
Babcock & Wilcox Co. (BAWTR)	50-200	Lynchburg, Virginia	License terminated 3/1/73 at licensee's request
Aerojet General Corporation	50-120	San Ramon, California	Application Withdrawn 9/25/59
Babcock & Wilcox Co. (LTR)	50-168	Lynchburg, Virginia	Application Withdrawn 7/11/60
Lockheed Aircraft Corp. (RER-II)	50-236	Dawsonville, Georgia	Application Withdrawn 9/22/67

Research Reactors

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Aerojet General Nucleonics AGN-201, Serial 100	50-15	San Ramon, California	Lic. terminated 5/3/57. Reactor transferred to U.S. Naval Postgraduate School

PART II

Research Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
AGN-201, Serial 101	50-32	San Ramon, California	Lic. terminated 11/15/57. Reactor transferred to Catholic University
AGN-201, Serial 102	50-32	San Ramon, California	Lic. terminated 8/28/57. Reactor transferred to Oklahoma State Univ.
AGN-201, Serial 103	50-32	San Ramon, California	Lic. terminated 10/26/67. Reactor transferred to Idaho State Univ.
AGN-201, Serial 104	50-44	San Ramon, California	Lic. terminated 9/13/56. Reactor transferred to Univ. of Akron
AGN-201, Serial 105	50-44	San Ramon, California	Lic. terminated 11/1/57. Reactor transferred to U.S. Naval Hospital
AGN-201, Serial 106	50-44	San Ramon, California	Lic. terminated 9/4/57. Reactor transferred to Texas A&M College
AGN-201, Serial 107	50-44	San Ramon, California	Lic. terminated 9/14/57. Reactor transferred to Univ. of Utah
AGN-201, Serial 108	50-44	San Ramon, California	Lic. terminated 6/3/60. Reactor transferred to Argonne National Lab.
AGN-201, Serial 109	50-53	San Ramon, California	Lic. terminated 9/12/57. Reactor transferred to Colorado State Univ.
AGN-201, Serial 110	50-53	San Ramon, California	Lic. terminated 5/8/62. Reactor exported to Sicily under Lic. XR-25 issued 1/7/59
AGN-201, Serial 111	50-53	San Ramon, California	Lic. terminated 5/8/62. Reactor sent to Geneva Conference
AGN-201, Serial 112	50-53	San Ramon, California	Lic. terminated 5/8/62. Reactor transferred to University of California about 11/19/57
AGN-201, Serial 113	50-53	San Ramon, California	Lic. terminated 5/8/62. Reactor transferred to University of Delaware about 7/3/58
AGN-201, Serial 114	50-53	San Ramon, California	Lic. terminated 5/8/62. Reactor transferred to Oregon State Univ. about 11/13/58

PART II

Research Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
AGN-201, Serial 115-120	50-53	San Ramon, California	Application Withdrawn 9/16/60
AGN-201, Serial 121-125	50-91	San Ramon, California	CP expired-Application Withdrawn 9/16/60
AGN-201, Serial 126-140	50-90	San Ramon, California	Serials 131-140 withdrawn 9/16/60 - CP expired 3/1/64 for 126-130
AGN-211, Serial 100	50-88	San Ramon, California	Lic. terminated 5/8/62. Reactor sent to Brussels Fair
AGN-211, Serial 101	50-103	San Ramon, California	Lic. terminated 5/8/62. Reactor transferred to Rice University about 1/8/59
AGN-211, Serial 102	50-103	San Ramon, California	Lic. terminated 5/8/62. Reactor transferred to Univ. of Oklahoma about 12/29/58
AGN-211, Serial 103	50-103	San Ramon, California	Built by AGC for West Va. Univ.
AGN-211, Serial 104 & 105	50-103	San Ramon, California	Application Withdrawn 9/16/60
AGN-211, Serial 106-110	50-103	San Ramon, California	Application closed on 11/29/68
American Radiator & Standard Sanitary Corp. (Model UTR-1)	50-73	Mountain View, California	UTR-1 reactor was shipped abroad for exhibition purposes and at licensee's request the license was terminated 2/29/60
(Exhib. UTR)	50-158	Mountain View, California	Exhibition UTR Model II was shipped abroad for exhibition purposes and at licensee's request the license was terminated 8/4/60
(Model UTR)	50-189	Mountain View, California	Lic. terminated 7/22/65 at licensee's request
Colorado State University (AGN-201, Serial 109)	50-80	Ft. Collins, Colorado	Lic. terminated 10/26/76
Curtiss-Wright Corp.	50-39	Quehanna, Pennsylvania	Lic. terminated 12/12/60 on transfer of C-W reactor to Penn State Univ.
Daystrom, Inc.	50-45	West Caldwell, N.J.	Applicant subsequently withdrew application and CP was revoked 2/14/58

PART II

Research Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Dow Chemical Co.	50-25	Midland, Michigan	Application Withdrawn 10/30/57
Ford Motor Company	50-19	Dearborn, Michigan	Application Withdrawn 10/10/57
General Atomic Company (TRIGA Mark III)	50-227	San Diego, California	License terminated 12/10/75
General Dynamics Corp. (Fast Critical Assembly)	50-212	San Diego, California	License terminated 3/5/65 at licensee's request
Gulf General Atomic, Inc. (Fast Critical Assembly)	50-235	San Diego, California	License terminated 10/22/69 at licensee's request
Gulf Oil Corp. (HTGR)	50-240	San Diego, California	License terminated on 4/2/73 at licensee's request
Gulf Oil Corporation (APFA-III)	50-253	San Diego, California	License terminated 8/10/73 at licensee's request
Gulf United Nuclear Fuels Corp. (PTF)	50-101	Sterling Forest, N.Y.	License terminated 6/25/74 at licensee's request
Hall of Science of the City of New York (TRIGA Mark VI)	50-386	Bronx, New York	Application withdrawn
IIT Research Institute	50-1	Chicago, Illinois	License terminated 4/28/72 at licensee's request
Lockheed Aircraft Corp. (10 watt)	50-167	Dawsonville, Georgia	Reactor dismantled and shipped to South America for exhibition purposes. License expired 9/1/60
Lockheed Aircraft Corp. (RER)	50-172	Dawsonville, Georgia	License terminated 8/31/71 at licensee's request
NASA and General Dynamics Corp., GTR ASTR	50-379	Tarrant Co., Texas	Application withdrawn
	50-381	Tarrant Co., Texas	Application withdrawn
New York University (TRIGA)	50-408	Bronx, New York	Application withdrawn 3/26/75
North American Aviation (L-47)	50-50	Canoga Park, California	Model L-47 reactor dismantled and at licensee's request the lic. was terminated on 6/30/58
North Carolina State College (Raleigh Research Reactor)	50-8	Raleigh, North Carolina	License terminated on 9/7/66. Reactor transferred to Miss. State Univ.

PART II

Research Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
NUMEC and Commonwealth of Pennsylvania (C-W Reactor)	50-310	Quehanna, Pennsylvania	License terminated 12/2/71 at licensee's request
Oklahoma State University (AGN 201, Serial 102)	50-58	Stillwater, Oklahoma	License terminated 3/19/74 at licensee's request
Pennsylvania State Univ. (C-W Reactor)	50-174	Quehanna, Pennsylvania	Penn State's interest in License R-72 terminated 11/9/67 on transfer of title and authority to possess but not to
Petrolite Corporation	50-194	Webster Groves, Missouri	Application Withdrawn 2/20/63
Polytechnic Institute of New York (AGN-201m)	50-216	Brooklyn, NY	License terminated 12/21/77 at licensee's request
Prosperity Co., Inc.	50-21	Coral Gables, Florida	Incomplete Application denied 12/20/57 without prejudice to submission of new application at a later date
Texas Technological College	50-159	Lubbock, Texas	CP terminated 10/30/64 at licensee's request
Northwestern University (AGN 201,114)	50-598	Evanston, Illinois	Application Withdrawn 5/15/79
United Nuclear Corporation (Shield Mock-Up Reactor)	50-207	Pawling, New York	CP for construction of Shield Mock-Up reactor terminated 7/29/64 at licensee's request
U.S. Air Force (RER)	50-176	Dawsonville, Georgia	License expired 4/4/63
U.S. Naval Hospital	50-60	Bethesda, Maryland	License terminated 6/24/65. Reactor transferred to New York Univ.
U.S. Naval Research Laboratory (Pool-Type)	50-4	Washington, D.C.	License terminated 3/18/71 at licensee's request
U.S. Navy Postgraduate School	50-43	Monterey, California	License terminated 10/11/72 at licensee's request
University of Akron (AGN-201, Serial 104)	50-64	Akron, Ohio	Lic. terminated 10/9/67. Reactor transferred to Georgia Institute of Technology
University of California	50-9	Los Angeles, California	Application Withdrawn 7/23/58

PART II

Research Reactors - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
University of California (AGN-201, Serial 112)	50-84	Berkeley, California	Lic. terminated 8/23/66. Reactor transferred to University of New Mexico
University of California (TRIGA Mark I)	50-357	Santa Barbara, California	Application Withdrawn 4/7/75
University of Cincinnati	50-211	Cincinnati, Ohio	Application Withdrawn 3/5/64
University of Maine	50-117	Orono, Maine	Incomplete application denied 1/10/61 without prejudice to submission of new application at later date
University of Nevada	50-202	Reno, Nevada	Lic. terminated 12/24/75. Reactor transferred to university of california, Santa, Barbara
University of Wyoming(L-77)	50-122	Laramie, Wyoming	Lic. terminated 12/5/74
University of Oklahoma (L-47)	50-85	Norman, Oklahoma	Application Withdrawn 8/22/58
University of Tennessee	50-115	Knoxville, Tennessee	Application Withdrawn 5/2/60
University of Wyoming (AGN-201, Serial 111)	50-82	Laramie, Wyoming	Application Withdrawn 11/3/58
Vanderbilt University (AGN-201, Serial 116)	50-95	Nashville, Tennessee	Application Withdrawn 9/28/59
Walter Reed Army Medical Center (L-54)	50-135	Washington, D. C.	License terminated 7/26/72 at licensee's request
William Marsh Rice University	50-114	Houston, Texas	License terminated 9/20/67 at licensee's request

Critical Experiment Facilities

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Alco Products, Inc. and Allis-Chalmers Mfg. Co.	50-119	Schenectady, New York	License terminated 7/23/64 on issuance of a possession only license to Rensselaer (RPI)
Allis-Chalmers Mfg. Co.	50-108	Greendale, Wisconsin	License terminated 11/20/67 at licensee's request (NSP experiments)

PART II

Critical Experiment Facilities - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Babcock & Wilcox Co.	50-13	Lynchburg, Tennessee	License terminated 2/14/72 at licensee's request
Babcock & Wilcox Co. (CEE)	50-13	Lynchburg, Virginia	License CX-1 terminated 6/1/73 at licensee's request
Babcock & Wilcox Co. (PRCE)	50-191	Lynchburg, Virginia	License CX-19 terminated 6/1/73 at licensee's request
Battelle Memorial Institute Plastic moderated critical assembly	50-14	West Jefferson, Ohio	License terminated 5/11/70
General Dynamics Corp. (Cirga)	50-37	San Diego, California	Cirga critical facility dismantled and license terminated 3/15/60 at licensee's request
General Dynamics Corp (ACRE)	50-246	San Diego, California	License terminated 12/30/66
General Electric Co.	50-69	Alameda Co., California	License expired 5/20/58 (Nuclear check- out tests for the Spanish Reactor)
General Electric Co. (MSCA)	50-203	Alameda Co., California	License terminated 3/11/68
General Electric Co. (TCA)	50-24	Alameda Co., California	License terminated 12/1/69
Gulf Oil Corporation (TCF)	50-234	San Diego, California	License terminated 8/10/73 at licensee's request
Gulf United Nuclear Fuels Corp. (PLTRF)	50-290	Sterling Forest, N.Y.	License terminated 6/25/74 at licensee's request
Lockheed Aircraft Corp.	50-26	Palo Alto, California	CP expired 10/1/57, plans for construction abandoned
Lockheed Aircraft Corp. (CER)	50-173	Dawsonville, Ga.	Application Withdrawn 6/26/64
Martin Marietta Corp.	50-154	Middle River, Md.	License terminated 2/7/66
Martin Marietta Corp.	50-38	Middle River, Md.	License terminated 7/30/69
NASA and General Dynamics Corp., RTA	50-380	Tarrant Co., Texas	Application withdrawn
NASA, SPR-I	50-75	Cleveland, Ohio	License terminated 11/13/73
NASA, ZPR-II	50-197	Cleveland, Ohio	License terminated 11/13/73
National Aeronautics & Space Administration (SCEF)	50-210	Cleveland, Ohio	Application Withdrawn (Solid Fueled Critical Experiments)

PART II

Critical Experiment Facilities - continued

<u>Applicant</u>	<u>Docket</u>	<u>Location</u>	<u>Status</u>
Nuclear Development Corp. of America	50-23	Pawling, N.Y.	License terminated 6/22/61 at licensee's request
United Nuclear Corporation	50-207	Pawling, N.Y.	CP terminated 7/29/64 at licensee's request (Split Bed Critical Assembly)
U.S. Air Force (CER)	50-177	Dawsonville, Ga.	Application Withdrawn 6/26/64
Westinghouse Electric Corp. (LRX Facility)	50-153	Waltz Mill, Pa.	License terminated 4/24/63 at licensee's request (CVTR critical)
Westinghouse Electric Corp. (CRX)	50-34	Waltz Mill, Pa.	License terminated 12/8/69 at licensee's request
Westinghouse Electric Corp. (CES)	50-87	Waltz Mill, Pa.	License terminated 1/26/72 at licensee's request

Production Facilities

Atlantic Richfield Co.	50-372	Chester Co., S. C.	Application withdrawn 11/11/71
Decker Corporation	50-164	Bala Cynwyd, Pa.	Application inactive
Engelhard Industries, Inc.	50-178	Newark, New Jersey	Application for exemption from require- ments of 10 CFR 50 granted by amend- ment to Part 50, effective 6/6/61
Isochem, Inc.	50-258	Richland, Washington	Application inactive
Martin Marietta Corp.	50-181	Quehanna, Pa.	Martin Marietta Corp. subsequently amended its application to delete operation with curium 242 and its contaminants, including special nuclear material. The application as amended concerned strontium 90 and its contaminants only and therefore no longer required a Part 50 license.
Thor-Westcliffe Development, Inc.	50-145	Pittsburg, Kansas	Application inactive

Part II

Special Projects

Applicant

Docket

Remarks

Babcock & Wilcox
(B-SAR-241)

50-481

Application withdrawn on December 3, 1974 due to the market
climate and recently proposed fees.

PART III

FACILITIES LICENSE APPLICATION RECORD

Research, Test and Power Reactors for Export

<u>Applicant</u>	<u>Docket</u>	<u>Status</u>	<u>Destination</u>	<u>Type of Reactor</u>
ACF Industries, Inc.	50-96	Withdrawn	Spain	Research
Aerojet-General Nucleonics	50-76	Withdrawn	France	Research
Aerojet-General Nucleonics	50-92	Withdrawn	Belgium	Research
Aerojet-General Nucleonics	50-93	Withdrawn	Belgium	Research
Aerojet-General Nucleonics	50-104	XR-25 issued 1/7/59	Sicily, Italy	Research
Aerojet-General Nucleonics	50-105	Withdrawn	Switzerland	Research
Aerojet-General Nucleonics	50-118	Withdrawn	Switzerland	Research
Allis-Chalmers Mfg. Co.	50-65	XR-17 issued 1/17/58	Netherlands	Test
Allis-Chalmers Mfg. Co.	50-71	XR-19 issued 5/14/58	Sweden	Test
Allis-Chalmers Mfg. Co.	50-46	XR-7 issued 5/16/57	Italy	Research
Allis-Chalmers Mfg. Co.	50-179	XR-42 issued 6/14/61	South Africa	Test
American Intercontinental Trade & Service Co.	50-110	XR-24 issued 11/5/58	Belgium	Power
American Machine & Foundry Co.	50-35	XR-3 issued 2/1/57	Netherlands	Research
American Machine & Foundry Co.	50-28	XR-4 issued 3/15/57	Western Germany	Research
American Machine & Foundry Co.	50-67	XR-11 issued 8/27/57	Canada	Research
American Machine & Foundry Co.	50-79	XR-13 issued 9/13/57	Portugal	Research
American Machine & Foundry Co.	50-66	XR-14 issued 9/25/57	Greece	Research
American Machine & Foundry Co.	50-74	XR-16 issued 12/6/57	Italy	Research
American Machine & Foundry Co.	50-102	XR-21 issued 6/12/58	Israel	Research
American Machine & Foundry Co.	50-109	XR-23 issued 9/3/58	Austria	Research
American Machine & Foundry Co.	50-132	XR-29 issued 8/5/59	Iran	Research
American Machine & Foundry Co.	50-137	XR-30 issued 9/4/59	Turkey	Research
American Machine & Foundry Co.	50-190	XR-46 issued 4/23/62	Pakistan	Research
American Radiator & Standard Sanitary Corp.	50-169	XR-39 issued 9/12/60	Australia	Research
American Radiator & Standard Sanitary Corp.	50-175	XR-41 issued 4/18/61	Japan	Research
American Radiator & Standard Sanitary Corp.	50-198	XR-47 issued 11/8/62	Great Britain	Research

PART III

Research, Test and Power Reactors for Export - continued

<u>Applicant</u>	<u>Docket</u>	<u>Status</u>	<u>Destination</u>	<u>Type of Reactor</u>
American Radiator & Standard Sanitary Corp.	50-215	XR-49 issued 2/13/64	Great Britain	Research
Atomics International	50-257	XR-62 issued 7/28/66	Germany	Research
Babcock & Wilcox Co.	50-36	XR-2 issued 1/22/57	Brazil	Research
Babcock & Wilcox Co.	50-52	XR-8 issued 6/10/57	Western Germany	Research
Babcock & Wilcox Co.	50-562	Withdrawn	Canada	Propulsion
Babcock & Wilcox Co.	50-571	XR-118 issued 6/28/77	West Germany	Power
Curtiss-Wright Corp.	50-138	XR-33 issued 11/5/69	Thailand	Research
Foster-Wheeler Corp.	50-51	XR-6 issued 4/4/57	Denmark	Research
General Atomic Company	50-479	Withdrawn	Libya	Research
General Atomic Company	50-494	XR-101 issued 10/16/74	Japan	Annular Core Pulsing Reactor
General Atomic Company	50-541	XR-108 issued 3/24/76	Turkey	Research
General Atomic Company	50-542	Withdrawn	Iran	Research
General Atomic Company	50-543	Withdrawn	Iran	Research
General Atomic Company	50-544	Withdrawn	Iran	Research
General Atomic Company	50-555	XR-112 issued 5/5/77	Thailand	Research
General Atomic Company	50-579	Pending	Malaysia	Research
General Atomic Company	50-585	Pending	Bangladesh	Research
General Dynamics Corp.	50-121	XR-26 issued 1/8/59	Italy	Research
General Dynamics Corp.	50-125	XR-28 issued 8/3/59	Brazil	Research
General Dynamics Corp.	50-126	XR-35 issued 11/24/59	Austria	Research
General Dynamics Corp.	50-127	XR-27 issued 5/21/59	Republic of Korea	Research
General Dynamics Corp.	50-140	XR-32 issued 10/20/59	Vietnam	Research
General Dynamics Corp.	50-161	XR-37 issued 7/8/60	Japan	Research
General Dynamics Corp.	50-162	XR-38 issued 7/8/60	Japan	Research
General Dynamics Corp.	50-180	XR-40 issued 4/5/61	Finland	Research
General Dynamics Corp. ^{1/}	50-209	XR-48 issued 8/20/63	Indonesia	Research
General Dynamics Corp.	50-217	XR-50 issued 4/11/64	Western Germany	Research

^{1/} Replaced by Docket 50-384

PART III

Research, Test and Power Reactors for Export - continued

<u>Applicant</u>	<u>Docket</u>	<u>Status</u>	<u>Destination</u>	<u>Type of Reactor</u>
General Dynamics Corp.	50-229	XR-55 issued 1/30/64	Yugoslavia	Research
General Dynamics Corp.	50-230	XR-56 issued 3/12/65	Italy	Research
General Dynamics Corp.	50-239	XR-58 issued 9/15/65	Italy	Research
General Dynamics Corp.	50-248	XR-60 issued 2/14/66	Germany	Research
General Electric Co.	50-68	XR-10 issued 7/29/57	Spain	Research
General Electric Co.	50-86	XR-18 issued 1/16/58	Venezuela	Research
General Electric Co.	50-100	XR-20 issued 6/5/58	Taiwan, Rep. of China	Research
General Electric Co.	50-136	XR-31 issued 9/30/59	Western Germany	Power
General Electric Co.	50-143	XR-34 issued 11/16/59	Rep. of Philippines	Research
General Electric Co.	50-165	XR-43 issued 8/16/61	Italy	Power
General Electric Co.	50-195	XR-45 issued 3/16/62	Japan	Power & Critical Exp. Facility
General Electric Co.	50-578	Withdrawn	Spain	Power
General Electric Co.	50-221	XR-52 issued 5/28/64	Western Germany	Power
General Electric Co.	50-226	XR-54 issued 7/17/64	India	Power (2)
General Electric Co.	50-468	XR-98 issued 5/17/74	Mexico	Power
General Electric Co.	50-469	XR-96 issued 5/7/74	Taiwan	Power (2)
General Electric Co.	50-473	XR-97 issued 6/10/74	Spain	Power
General Electric Co.	50-551	XR-110 issued 5/5/77	Spain	Power (2)
General Electric Co.	50-563	Withdrawn	Africa	Power
General Electric Co.	50-512	XR-102 issued 10/24/74	Mexico	Power
General Electric Co.	50-552	XR-111 issued 3/9/77	Italy	Power (2)
General Electric Co.	50-587	XR-127 issued 11/20/78	Switzerland	Power
General Electric Co.	50-590	Pending	Spain	Power
General Electric Technical Services Co., Inc.	50-279	XR-64 issued 6/9/67	Spain	Power
General Electric Technical Services Co., Inc.	50-283	XR-65 issued 6/22/67	Japan	Power
General Electric Technical Services Co., Inc.	50-292	XR-66 issued 8/11/67	Japan	Power
General Electric Technical Services Co., Inc.	50-299	XR-68 issued 10/4/67	Switzerland	Power

PART III

Research, Test and Power Reactors for Export - continued

<u>Applicant</u>	<u>Docket</u>	<u>Status</u>	<u>Destination</u>	<u>Type of Reactor</u>
General Electric Technical Services Co., Inc.	50-349	XR-72 issued 4/22/70	Japan	Power
General Electric Technical Services Co., Inc.	50-378	XR-77 issued 3/31/71	Italy	Power
General Electric Technical Services Co., Inc.	50-392	XR-80 issued 7/24/72	Taiwan, Rep. of China	Power (2)
General Electric Technical Services Co., Inc.	50-419	XR-84 issued 5/17/73	Japan	Power
General Electrical Technical Services Co., Inc.	50-420	XR-85 issued 5/17/73	Japan	Power
General Electric Technical Services Co., Inc.	50-536	XR-104 issued 12/31/75	Switzerland	Power
Gulf General Atomic, Inc.	50-233	XR-57 issued 2/12/65	Mexico	Research
Gulf General Atomic, Inc.	50-351	XR-73 issued 5/11/70	Republic of Korea	Research
Gulf Oil Corp.	50-371	XR-75 issued 12/22/70	Germany	Research
Gulf Oil Corp.	50-377	XR-76 issued 2/18/71	Germany	Research
Gulf Oil Corp.	50-365	XR-74 issued 3/15/71	England	Research
Gulf Oil Corp.	50-384	XR-78 issued 5/12/71	Indonesia	Research
Gulf Oil Corp.	50-411	XR-91 issued 7/2/73	Romania	Research
Institute for Resource Management, Inc.	50-436	Withdrawn	Argentina	Research
Institute for Resource Management, Inc.	50-442	Withdrawn	Jamaica	Research
Institute for Resource Management, Inc.	50-534	XR-105 issued 11/18/75	Korea	Research
Institute for Resource Management, Inc.	50-565	Withdrawn	Bolivia	Research
Intercontinental Chem. Corp.	50-63	XR-9 issued 6/11/57	Western Germany	Research
James Loudon & Co., Inc.	50-61	XR-12 issued 9/7/57	Western Germany	Research
Lockheed-Georgia Co.	50-256	XR-61 issued 7/5/66	Uruguay	Research
Lockheed-Georgia Co.	50-350	Withdrawn	Romania	Research

PART I I I

Research, Test and Power Reactors for Export - continued

<u>Applicant</u>	<u>Docket</u>	<u>Status</u>	<u>Destination</u>	<u>Type of Reactor</u>
Lockheed Western Export Co.	50-222	XR-53 issued 5/27/64	Colombia	Research
Loretz & Company	50-48	XR-5 issued 4/4/57	Denmark	Research
Luigi Serra, Inc.	50-149	XR-36 issued 12/17/59	Italy	Research
Luigi Serra, Inc.	50-218	XR-51 issued 4/20/64	Italy	Critical Assembly
Marubeni-Iida Co. (N.Y.) Inc.	50-33	XR-1 issued 11/2/56	Japan	Research
Mitsubishi International Corp.	50-81	XR-15 issued 10/11/57	Japan	Research
Mitsubishi International Corp.	50-347	XR-71 issued 2/4/70	Japan	Power
Mitsubishi International Corp.	50-385	XR-79 issued 7/8/71	Japan	Power
Mitsubishi International Corp.	50-418	XR-82 issued 4/16/73	Japan	Power (2)
Mitsubishi International Corp.	50-421	XR-85 issued 6/27/74	Japan	Power
Mitsubishi International Corp.	50-422	XR-87 issued 7/3/73	Japan	Power
Mitsubishi International Corp.	50-431	XR-92 issued 7/2/73	Japan	Power
Mitsubishi International Corp.	50-432	XR-93 issued 11/3/73	Japan	Power
Rockwell International Corp.	50-539	Pending	Israel	Critical Assembly
S.A.I.M.A.	50-107	XP-22 issued 8/13/58	Italy	Research
Westinghouse Electric Corp.	50-196	XR-44 issued 6/14/62	Italy	Power
Westinghouse Electric Corp.	50-242	XP-59 issued 10/22/65	Spain	Power
Westinghouse Electric Corp.	50-415	XR-81 issued 4/13/73	Brazil	Power
Westinghouse Electric Corp.	50-428	XR-88 issued 6/26/73	Spain	Power (2)
Westinghouse Electric Corp.	50-429	XR-89 issued 6/26/73	Spain	Power (2)
Westinghouse Electric Corp.	50-430	XR-90 issued 6/26/73	Spain	Power
Westinghouse Electric Corp.	50-465	XR-95 issued 2/2/74	Sweden	Power
Westinghouse Electric Corp.	50-474	XR-99 issued 6/22/76	Spain	Power
Westinghouse Electric Corp.	50-540	XR-107 issued 5/20/77	Yugoslavia	Power
Westinghouse Electric Corp.	50-533	XR-103 issued 10/21/75	Sweden	Power
Westinghouse Electric Corp.	50-558	XR-123 issued 6/29/79	Taiwan	Power (2)
Westinghouse Electric Corp.	50-559	Merged with 50-558		
Westinghouse Electric Corp.	50-570	XR-117 issued 6/3/77	Spain	Power
Westinghouse Electric Corp.	50-573	X-119 issued 4/8/77	Korea	Power
Westinghouse Electric Corp.	50-574	Pending	Philippines	Power

PART III

Research, Test and Power Reactors for Export - continued

<u>Applicant</u>	<u>Docket</u>	<u>Status</u>	<u>Destination</u>	<u>Type of Reactor</u>
Westinghouse Electric Corp.	50-575	Pending	Spain	Power
Westinghouse Electric Corp.	50-576	XR-122 issued 9/13/77	Spain	Power
Westinghouse Electric Corp.	50-577	Pending	Spain	Power
Westinghouse Electric Corp.	50-588	Withdrawn	Spain	Power
Westinghouse Electric Corp.	50-589	Pending	Spain	Power
Westinghouse Electric Corp.	50-594	XR-131 issued 10/4/78	Korea	Power (2)
Westinghouse Electric International Co.	50-273	XR-63 issued 2/3/67	Switzerland	Power
Westinghouse Electric International Co.	50-291	XR-67 issued 8/11/67	Japan	Power
Westinghouse Electric International Co.	50-337	XR-69 issued 5/2/69	Sweden	Power
Westinghouse Electric International Co.	50-345	XR-70 issued 10/29/69	Switzerland	Power
Westinghouse Electric International Co.	50-393	XR-83 issued 5/1/73	Korea	Power

Note: Export licenses are terminated upon expiration date of when shipment of facility is completed.

As of May 19, 1978, export license applications are filed pursuant to Part 110, CFR and are not included in this listing.

NRC FORM 335 (7-77)		U.S. NUCLEAR REGULATORY COMMISSION BIBLIOGRAPHIC DATA SHEET		1. REPORT NUMBER (Assigned by DDC) NUREG-0652	
4. TITLE AND SUBTITLE (Add Volume No., if appropriate) Facilities License Application Record				2. (Leave blank)	
7. AUTHOR(S)				3. RECIPIENT'S ACCESSION NO.	
9. PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) U.S. Nuclear Regulatory Commission Office of Management & Program Analysis Washington, D.C. 20555				5. DATE REPORT COMPLETED MONTH YEAR March 1980	
12. SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) U.S. Nuclear Regulatory Commission Office of Management & Program Analysis Washington, D.C. 20555				DATE REPORT ISSUED MONTH YEAR March 1980	
13. TYPE OF REPORT Tri-Annual				PERIOD COVERED (Inclusive dates) 04/30/77 - 03/01/80	
15. SUPPLEMENTARY NOTES				6. (Leave blank)	
16. ABSTRACT (200 words or less) The FLAR is divided into three parts as follows: Part I - The first part is a listing of all operating licenses, authorizations and construction permits in effect plus applications pending. Part II - The second part is a listing of applications that have been withdrawn or denied, and licenses and construction permits terminated or revoked. Part III - The third part is a listing of research, test and power reactors for export.				8. (Leave blank)	
17. KEY WORDS AND DOCUMENT ANALYSIS				10. PROJECT/TASK/WORK UNIT NO.	
17b. IDENTIFIERS/OPEN-ENDED TERMS				11. CONTRACT NO.	
18. AVAILABILITY STATEMENT Unlimited		19. SECURITY CLASS (This report) Unclassified		21. NO. OF PAGES	
20. SECURITY CLASS (This page) Unclassified		22. PRICE \$		14. (Leave blank)	