

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION.NBR:8308010370 DOC DATE: 83/07/21 NOTARIZED: NO. DOCKET #  
 FACIL:50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
 AUTH.NAME: AUTHOR AFFILIATION:  
 SORESEN, G.C. Washington Public Power Supply System  
 RECIP.NAME: RECIPIENT AFFILIATION  
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Informs of electrical safety features incorporated into  
 design & maint of reactor bldg crane.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 11.72  
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

## NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL		RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	NRR/DL/ADL	1		NRR LB2 BC	1
	NRR LB2 LA	1		AULUCK, R. 01	1
INTERNAL:	ELD/HDS2	1		IE FILE	1
	IE/DEPER/EPB 36	3		IE/DEPER/IRB 35	1
	IE/DEQA/QAB 21	1		NRR/DE/AEAB	1
	NRR/DE/CEB 11	1		NRR/DE/EHEB	1
	NRR/DE/EOB 13	2		NRR/DE/GB 28	2
	NRR/DE/MEB 18	1		NRR/DE/MTEB 17	1
	NRR/DE/SAB 24	1		NRR/DE/SGEB 25	1
	NRR/DHFS/HFEB40	1		NRR/DHFS/LQB 32	1
	NRR/DHFS/PSRB	1		NRR/DL/SSPB	1
	NRR/DSI/AEB 26	1		NRR/DSI/ASB	1
	NRR/DSI/CPB 10	1		NRR/DSI/CSB 09	1
	NRR/DSI/ICSB 16	1		NRR/DSI/METB 12	1
	NRR/DSI/PSB 19	1		NRR/DSI/RAB 22	1
	NRR/DSI/RSB 23	1		REG FILE 04	1
	RGN5	3		RM/DDAMI/MIB	1
EXTERNAL:	ACRS 41	6		BNL (AMDTS ONLY)	1
	DMB/DSS (AMDTS)	1		FEMA-REP DIV 39	1
	LPDR 03	1		NRC PDR 02	1
	NSIC 05	1		NTIS	1

TOTAL NUMBER OF COPIES REQUIRED: LTR 53 ENCL 4



1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement.

5000 2000 1000 0

THE UNIVERSITY OF CHICAGO PRESS

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099																																																																																																																																																		
1950	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296</



## Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

July 21, 1983  
g02-83-650

Docket No. 50-397

Director of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2  
REACTOR BUILDING CRANE -  
ELECTRICAL SAFETY FEATURES

As discussed in the telephone conversation of July 15, 1983 between Mr. J. Stacks (Supply System Test & Startup Engineer), Mr. J. Hedges (Supply System Maintenance Engineer) and Mr. J. R. Ridgley of the NRC, the following electrical safety features are incorporated into the design and maintenance of the WNP-2 Reactor Building crane.

- 1) Loss of any single phase on the power supply to the crane motors (main hoist, auxiliary hoist, trolley & bridge) results in loss of power to the crane controls and automatic setting of the electrical brakes. This feature was successfully tested during the construction load tests.
- 2) The main load block has redundant lower limit travel switches, equalizer bar travel limit switch, an up travel geared limit switch, a weighted up travel limit switch, and a paddle type limit switch.
- 3) The auxiliary hoist has redundant up travel and down travel limit switches.
- 4) Both hoists have load cells with load limit switches.
- 5) All power to the crane is fused with thermal overloads on each phase.
- 6) The motor control center feeding the crane is located in the same secondary containment area as the crane.

8308010370 830721  
PDR ADDCK 05000397  
A PDR

13001  
1/0







A. Schwencer

Page Two

July 21, 1983

REACTOR BUILDING CRANE - ELECTRICAL SAFETY FEATURES

- 7) Whenever motor loads are lifted and reconnected, it is standard practice to "bump" the motor to assure the proper direction of rotation.
- 8) Plant Maintenance Procedure 10.25.11 requires functional testing of the electrical controls and travel limit switches. This procedure will be implemented prior to each refueling outage and after any significant electrical maintenance.

Should you have any questions, please contact Mr. P. L. Powell, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen (Acting)  
Manager, Nuclear Safety and Regulatory Programs

JWH/tmh

cc: R Auluck - NRC  
JR Ridgley - NRC  
WS Chin - BPA  
A Toth - NRC Site



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the transparency and accountability of the organization. The second part of the document outlines the procedures for handling financial matters, including the approval process for expenditures and the reporting requirements for the management team. The third part of the document addresses the issue of personnel management, focusing on the recruitment, training, and evaluation of staff members. The fourth part of the document discusses the organization's commitment to environmental sustainability and the measures being taken to reduce its carbon footprint. The fifth part of the document provides a summary of the key findings and recommendations from the recent audit. The sixth part of the document contains the conclusions and the next steps for the organization. The seventh part of the document is a list of the appendices, which include detailed financial statements, personnel records, and environmental impact reports. The eighth part of the document is a list of the references, which include various industry standards and regulatory requirements. The ninth part of the document is a list of the glossary, which defines the key terms and abbreviations used throughout the document. The tenth part of the document is a list of the index, which provides a quick reference to the various sections of the document.