

# MONTICELLO NUCLEAR GENERATING PLANT

# PRAIRIE ISLAND NUCLEAR GENERATING PLANT



NSP MANAGEMENT & TECHNICAL RESOURCES JULY, 1979

MINNEAPOLIS. MINNESOTA

### NORTHERN STATES POWER COMPANY MANAGEMENT & TECHNICAL RESOURCES JULY, 1979

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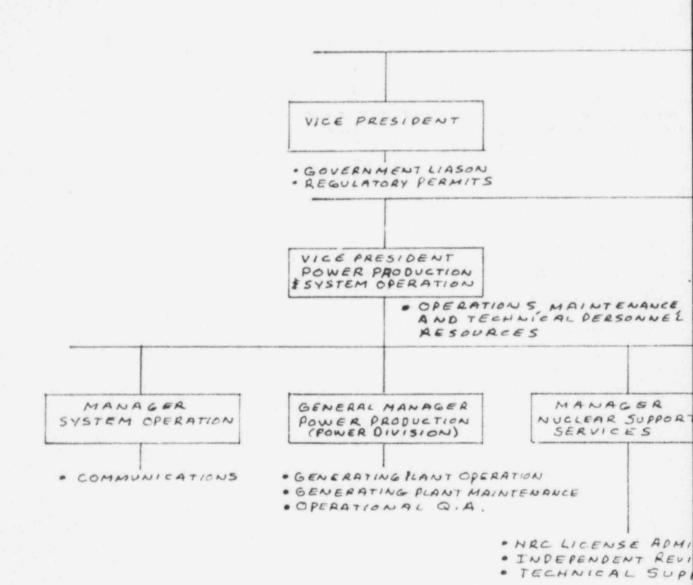
1.0 Management Resources (offsite)

### 1.0 MANAGEMENT RESOURCES (offsite)

### 1.1 Summary

We have prepared and attached a partial organization diagram in section 1.2 showing the management resources for emergency response. The organizational chart shows only those positions which would provide engineering management, logistic support, coordination with government agencies, communication networks and overall accident response coordination. There are a number of other functions reporting to each of the positions shown on the chart which do not directly relate to emergency response resources. We have labeled eight of the positions on the organizational chart to show areas of activities provided by the various management functions for emergency response needs. Each of the eight management positions are responsible for many other activities on a day-to-day basis, beyond those specific ones that have been labeled for the purposes of this submittal. Each of the officers shown on the organizational chart has authority to establish the necessary priorities and to allocate personnel resources from their respective areas of responsibility. In addition, cross-allocation of personnel can be accomplished through coordination by the Executive Vice-President.

In order to provide a reasonably timely response to this NRC request, it is necessary to make use of existing information which does not necessarily follow the format suggested by the NRC. The various organizational diagrams provided throughout this submittal are the latest ones that have been issued for each individual functional area. To describe the functions, responsibilities, and authority associated with each of the management resource positions, we we have utilized existing Mission Statements which are included in section 1.3. Also, a single form was utilized to collect information on the educacional and experience background for all individuals covered by this submittal.

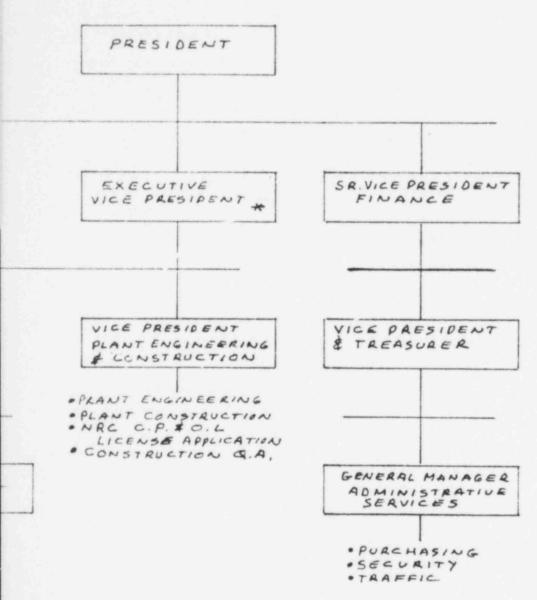


\*OVERALL EMERGENCY RESPONSE COORDINATION

1.2-1

POOR ORIGINAL

763 207



NISTRATION (OPERATING) EW & RUDIT PORT

NORTHERN STATES POWER COMPANY

PARTIAL ORGANIZATION DIAGRAM

MANAGEMENT RESOURCES

FOR EMERGENCY RESPONSE

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### JOB DESCRIPTION

### EXECUTIVE VICE-PRESIDENT

This job is responsible for assuring that adequate and reliable bulk supplies of electricity and gas are supplied to division load centers and wholesale customers.

The job includes over-all direction of the following:

Planning, design, construction, operation and maintenance of bulk electricity and gas facilities.

Negotiation and administration of contracts for electric plant fuel, gas for resale, wholesale power and Bureau of Reclamation wheeling.

Power pooling and internconnection arrangements.

Socuring and maintaining NRC permits.

NSP's technical research activities.

NSP's MAPP activities.

# MISSION STATEMENT

# VICE PRESIDENT - PLANT ENGINEERING AND CONSTRUCTION

The mission of this Vice President is the direction of four departments concerned with the engineering, design, construction, and placing into service of electric and gas production, storage, and transmission plant facilities, primarily generating plants, transmission lines, and substations, in a manner which meet corporate-wide requirements of schedule, budget, and quality.

The Vice President - Plant Engineering and Construction reports to the Executive Vice President for facility projects and activities of NSP (Minnesota) and to the President of NSP (Wisconsin) for projects and facilities of that subsidiary.

The Vice President carries out his mission through the General Manager, Plant Engineering and Construction; the General Manager, Substation Engineering and Construction; the General Manager, Transmission; and the Manager, Quality Assurance.

The mission also includes responsibility for direction of nuclear plant licensing activities with the Nuclear Regulatory Commission (NRC) from the construction permit application stage through the granting of the operating license, and for providing technological support to other departments responsible for regulatory activities related to plant facilities.

Arthur V Dienhart February 1978

### NSP PLANT ENGINEERING AND CONSTRUCTION DEPARTMENT

### STATEMENT OF MISSION

FOR NEW ELECTRIC-GENERATING PLANTS AND FOR MAJOR MODIFICATIONS TO EXISTING ELECTRIC-GENERATING PLANTS, THE DEPARTMENT WILL FURNISH ANY OR ALL OF THE FOLLOWING SERVICES:

- 1) CONCEPTUAL DESIGNS AND PRELIMINARY COST ESTIMATES
- 2) DETAILED DESIGNS AND WORKING DRAWINGS FOR PLANT STRUCTURES AND SYSTEMS
- 3) SPECIFICATIONS FOR MATERIALS AND EQUIPMENT
- 4) REVIEW AND APPROVAL OF VENDOR DRAWINGS AND EXPEDIT-ING OF VENDOR PERFORMANCE
- 5) FULL-SCALE CONSTRUCTION MANAGEMENT, INCLUDING DETAILED COST ESTIMATING, SCHEDULING, AND COST CONTROL FOR PLANT CONSTRUCTION PROJECTS
- 6) QUALITY ASSURANCE FOR DESIGN, PROCUREMENT, AND CON-STPJCTION ACTIVITIES
- 7) DEVELOPMENT AND IMPLEMENTATION OF PRE-OPERATIONAL TESTING AND START-UP PROCEDURES
- 8) PLANT ENGINEERING TECHNOLOGICAL SUPPORT FOR FEDERAL, STATE, REGIONAL, AND LOCAL LICENSING ACTIVITIES RE-LATED TO GENERATING PLANTS
- 9) MANAGEMENT OF ALL NUCLEAR PLANT FACILITY LICENSING ACTIVITIES WITH THE NUCLEAR REGULATORY COMMISSION FROM THE CONSTRUCTION-PERMIT APPLICATION STAGE THROUGH THE GRANTING OF THE OPERATING LICENSE

A V Dienhart/hz

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### MISSION STATEMENT

Direct and coordinate all governmental activities for Northern States Power Company on the local, state and federal levels (with the exception of rates and the Nuclear Regulatory Commission (NRC) licensing of nuclear power plants). This is accomplished through the functions of four separate departments:

- I Environmental & Regulatory Activities Department
- II Metro Government Affairs Department
- III Public Affairs Department
- IV Legislative Affairs Department

A brief description of these four departments is listed below.

- I Environmental & Regulatory Activities Department
  - A. Responsible for environmental assessments and securing all permits, licenses and approvals from state and federal agencies (except NRC), construction and operation of facilities.
    - Provide technical services for environmental reports and permits, and develop testimony for various hearings.
    - Conduct monitoring and ecological studies associated with the state and federal permit requirements.
  - B. Act as liaison with state and federal regulatory agencies; administer permits for major facilities; provide timely reporting; coordinate regulatory compliance and rulemaking hearings.
  - C. Management of special projects, environmental legislation and liaison with local gov rnments regarding project approvals with various commissions regarding company activities.

### II Metro Government Affairs Department

- A. Provide close coordination and surveillance of all governmental activities in the seven-county metropolitan area, including Minneapolis and St Paul governments, county governments and metro regional agencies.
- B. Direct the activities of the Property Tax Department which includes close liaison with the State Commissioners of Revenue in the four-state area.

### III Public Affairs Department

Direct public information and communications concerning company policies and positions to state legislators, members of Congress, employees and other public officials.

### IV Legislative Affairs Department

Direct the legislative efforts of the company in all areas of operation at the state and federal levels. This includes monitoring all of the legislation affecting the company and the industry, and determining the course of action to take. The staff of this department works closely with outside consultants and industry associations.

LEWIS 5 CRAIN Vice President July 13, 1979

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# Mission Statement Power Production and System Operation

The mission of the departments of Power Production and System Operation is to provide an economical and reliable supply of electricity and gas to the Divisions for distribution to the customers utilizing all available sources within governmental and contractual constraints. This mission is carried out by the following departments:

The Power Production Department operates and maintains all the electric generating plants and gas peak shaving plants in a manner to assure safe, reliable, and economic plant performance.

The Nuclear Support Services Department provides technical and administrative support for the Power Production Department and the nuclear generating plants to assure safe and reliable operation in accordance with government licensing requirements.

The Fuel Supply Department purchases and delivers suitable fuels for the generating plants and liquid propane to the gas peak shaving plants in the most economical manner and in quantities which will assure that the plants are not restricted in their operation.

The System Operation Department economically schedules generation, purchase, and sale of power and energy from and to other utilities and delivers energy to the Divisions at load centers at minimum cost consistent with secure operation of the electric supply system. This involves monitoring of transmission circuit loads and supervising the switching on circuits of 69 kv and higher voltages including the switches on the high voltage side of transformers supplying the distribution substations. Its Gas Supply Department directs the operation of the gas transmission system, plans for and schedules the supply of natural gas and peak shaving gas to most securely and economically supply gas to the Divisions.

The Maintenance and Testing Department determines proper settings for, inspects, tests, and maintains the protective relays and performs field inspections, tests, and maintains high voltage power and antrol equipment. It also operates Shops and a Testing Laboratory to provide services to other departments of the Company.

L. J. Wachter 2/28/79

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#### NORTHERN STATES POWER COMPANY

### POWER DIVISION MISSION STATEMENT

Date: February 15, 1979

Revision: 2

The mission of Power Division is to operate the production facilities of the Company (Minnesota) in a safe, efficient and economical manner within the constraints imposed by governmental regulations.

In addition, we recognize a responsibility to other departments within the Company to provide information and assistance where the data, expertise, and resources of Power Division are necessary to enable them to perform their functions.

### INTERPRETATION OF

### POWER DIVISION MISSION STATEMENT

In accomplishing our mission the following major areas must be addressed:

- 1. "To operate the production facilities of the Company (Minnesota) in a safe, efficient and economical manner" implies that we must optimize and effectively apply our resources of fuel, capital, material, manpower, technical and managerial talent in order to enable the Company to fulfill its stated mission. It encompasses all the various functions which support operations such as maintenance, engineering, administrative, etc. Not only current operation must be addressed but also the planning and preparation necessary to assure operationally sound designs and to organize and staff future units with qualified personnel.
- 2. "Within the constraints imposed by governmental regulations" requires effective equipment, proper operation, understanding and cooperation by all employees of the Power Division to meet requirements relating to safety, the environment, costs, and other areas which are subject to regulation.
- 3. The commitment to assist and cooperate with other Company departments is in recognition that it is possible to fulfill the overall corporate mission only if all the various departments within the Company successfully perform their individual missions.

# MISSION STATEMENT NUCLEAR SUPPORT SERVICES DEPARTMENT

### 3/31/78

The mission of the Nuclear Support Services Department is to provide a staff support function consisting of (1) liasion with the NRC and administration of NRC licenses for operating nuclear plants; (2) performance of independent review and audit function; for operating nuclear plants as required by NRC regulations and licenses and to verify compliance with NRC operating license requirements (3) provision of technical support for the Power Production Department, operating nuclear plants and the Fuel Procurement Department, within financial and manpower allocations; and (4) receipt, review and dissemination of updated and coposed regulations related to nuclear activities.

### A MISSION STATEMENT

FOR

#### SYSTEM OPERATION DEPARTMENT

On a continuous basis (24 hour) within regulatory and contractural constraints, the System Operation Department directs the operation of NSP's transmission systems and scheduled operation of NSP's generating units and purchases of energy to most securely and economically supply electric energy to NSP substations and to achieve maximum profits thru sale of power and energy to other utilities from uncommitted reserve generating capability.

The Gas Supply Department of System Operation directs the operation of NSP's gas transmission system, plans for and schedules the supply of natural gas and peaking gas to most securely and economically supply gas to the operating divisions.

In support of the above mission and as services provided to other departments, System Operation provides appropriate operations communications, data retrieval and control systems and coordinates activities associated with the transmission systems and with other utilities.

Because of the Departments' control and delivery of the basic corporate products, the Departments' have the responsibility to supply statistics to other departments and corporate management relative to demand and energy, purchases and sales transactions and pricing of such transactions.

K. K. Dols 10-18-78

KKD: pw

MISSION STATEMENT
ADMINISTRATIVE SERVICES DEPARTMENT

In addition to the Managerial duties associated with the

-Corporate Records Services Department

-Property and Land Management Department

-Purchasing Department (includes Traffic section)

-Security Department

-Stores and Materials Utilization Department

The General Manager of Administrative Services:

- -Develops, reviews, and updates the programs, policies and procedures associated with the Administrative Services Department and seeks executive approval or reviews for programs applied uniformly within NSP.
- -Reviews the services within NSP for uniformity and cost effectiveness and provides only those ervices that must be uniformly handled within NSP or those services that can be provided more effectively or at less cost by a centralized organization than by the line management organizations.
- -Defines interfaces between Administrative Services and other NSP Departments, documents the responsibilities at the interface and negotiates changes to these responsibilities.
- -Monitors new techniques/developments, codes, standards, and other regulatory information for application to Administrative Services responsibilities.

1.	NSP Depa	rtment or Pla	nt Direct	ors, Offic	ers & Staff	
2.	Name	Dennis W Angl	and			
3.	Title _	Executive Vic	e President			
4.	Educatio a. Degr	The same of the sa		Major	Electrical E	ngineering ngineering
	b. Othe	r Nuclear Edu	cation			
5.	Nuclear category		ce (list n	umber of ye	ears & type of	work in each
	a. Nucl	ear Navy or r	elated mil	itary nucle	ear experience	
	b. Util	ity nuclear e	xperience	BWR	PWR	
	c. A/E,	vendor or ot	her nuclear	r experienc	ce	
6.	Other wo	rk evnerience	that might	t he helpfu	l for pusloan	plant emergency
0+	resource		that might	c be neipro	il for nuclear	plant emergency
		nuclear utili attached work			and type of w	ork)
	b. Othe	r				
7.	NRC opera	ator licenses	held Non	e		
	a. BWR:		RO	SRO	Active	Expired
	b. PWR:		RO	SRO	Active	Expired
	c. Criti	ical Facility est Reactor:	RO	SRO	Active	Expired
				1.4-1		

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# DENNIS W. ANGLAND - Employed 6-18-51

6-18-51	Engineer, Junior	Generation (System Oper. Sect.)
3-30-52	Assistant Planning Engineer	Engineering
5-16-54	Assistant System Planning Engineer	
1- 7-59	System Planning Engineer	
6- 1-61	General Superintendent of System Planning	System Planning
5- 1-62	Manager of Planning	
6- 1-68	Vice President - Operation	Directors, Officers & Staffs
6- 1-70	Group Vice President - Divisional Management	
6- 1-74	Executive Vice President	

MOL	Department or Plan		0 01131110011		
Nam	e Arthur V Dienhar	t, P.E.			
Tit	le Vice President				
	cation Degrees		Major		
		-			
b.	Other Nuclear Educ	ation			
	lear Work Experienc egory)	e (list r	number of ye	ars & type o	f work in each
d •	Nuclear Navy or re	lated mil	itary nucle	ar experienc	e
b.	Utility nuclear ex	perience	BWR	PWR	
	A/E, vendor or oth	ar nucleas			
C .	A/L, vendor or orn	er nuclea	ir experienc	е	
	er work experience ource	that migh	t be helpfu	l for nuclea	r plant emergency
a.	Non-nuclear utilit	y experie	nce (years	and type of	work)
b .	Other				
b.	Other				
b.	Other				
	Other	held		7	63 221
			SRO	Active	
NRC a.	operator licenses	RO			Expired
NRC a.	operator licenses	RO	SRO	Active	Expired

7-11-79

# PROFESSIONAL AND EDUCATIONAL QUALIFICATIONS

### ARTHUR V DIENHART

### NORTHERN STATES POWER COMPANY

I am a resident of Minneapolis, Minnesota, and am Vice President of Northern States Power Company, with headquarters in Minneapolis.

I graduated from the University of Minnesota in 1942 with the degree of Bachelor of Civil Engineering with High Distinction. I undertook post-graduate studies in civil engineering at Carnegie Institute of Technology in Pittsburgh. I am a Registered Professional Engineer, licensed to practice in the states of Minnesota, Wisconsin, and North Dakota.

I am a Fellow of the American Society of Civil Engineers and a member of the National Society of Professional Engineers, the American Nuclear Society, and the American Concrete Institute. I have authored several papers and articles which have been published in the technical press.

The first four years of my professional experience following receipt of my engineering degree comprised industrial plant construction and maintenance responsibilities for Dravo Corporation of Pittsburgh, Pennsylvania, and supervision of overseas base construction as an officer in the Civil Engineer Corps of the United States Navy.

In 1946, I joined Northern States Power Company as Field Engineer, and subsequently held positions as Assistant Construction Superintendent, Hydraulic Engineer, Civil Engineer, Manager of Engineering, Assistant Vice President, and my present position as Vice President. In these assignments, I have had responsibility for selection and development of sites for nuclear, coalburning, and hydro-electric power plants, for the design and construction of these facilities and of office and service buildings, water control and waterfront facilities, and structures for the transformation and transmission of electrical energy.

In my present position as Vice President, I have overall management responsibility for the design and construction of the major physical plant facilities of the Company, i.e., generating plants, substations, and transmission lines. I have responsibility for licensing activities for nuclear power plants from the time of application for the construction permit from the Nuclear Regulatory Commission through the receipt of the operating license from the Commission.

### TYRONE ENERGY PARK

### TECHNICAL QUALIFICATIONS OF PERSONNEL

Position: Vice President - Tyrone Energy Park Project, and

Vice President - Plant Engineering and Construction

Name: Arthur V Dienhart, P.E.

Birth Date: July 23, 1920

Business Address: Northern States Fower Company

100 North Barstow Street, Eau Claire, Wisconsin 54701, and

414 Nicollet Mall, Minneapolis, Minnesota 55401

1942-45 Dravo Corporation, Pittsburgh, Pennsylvania 15225 Prior Employers:

Engineering responsibilities for plant expansion

of shipyard.

1945-46 Civil Engineer Corps, United States Navy.

Commissioned officer engaged in overseas base

construction.

Present Employer: 1946-present Northern States Power Company - Engineering

and management responsibilities for licensing, design, construction, and start-up of physical

plant facilities.

1946-48 Field Engineer, Construction Department, Mpls and

Sioux Falls

1948-51 Assistant Construction Superintendent, Construction

Dept, Mpls

1951-56 Hydraulic Engineer, Engineering Dept, Mpls

1956-65 Civil Engineer, Engineering Dept, Mpls

1965-69 Manager of Engineering, General Office, Mpls

1969-70 Assistant Vice President - Engineering, General

Office, Mpls

1970-74 Vice President - Engineering, General Office, Mpls

1974-present Vice President - Plant Engineering and

Construction, General Office, Mpls

1978-present Vice President - Tyrone Energy Park Project,

Eau Claire

## Experience Related Specifically to Nuclear Reactors:

1957-73

Pathfinder Atomic Power Plant, Sioux Falls, South Dakota. Civil engineering responsibilities for site investigation; management of pre-operational environmental monitoring; surveillance of foundation design and construction; civil engineering responsibility for interface with technical staffs of State of South Dakota and Atomic Energy Commission during design and construction phase; overall engineering management for decommissioning phase.

1965-present

Monticello Nuclear Generating Plant, Monticello, Minnesota. Overall management responsibilities for site investigations; management of pre-operational environmental monitoring; management review of general criteria developed by turnkey plant vendor; management review of balance-of-plant criteria and designs; management of licensing efforts with Minnesota state agencies and with Federal agencies, especially Atomic Energy Commission, during design and construction phase; corporate management responsibility for licensing, design, construction, and quality assurance for major plant modifications made subsequent to completion of original construction in 1970.

1965-present

Prairie Island Nuclear Generating Plant Units 1 and 2, Red Wing, Minnesota. Engineering management responsibilities for site investigation, pre-operational environmental monitoring, review of design and procurement work by consulting architect/engineer, licensing activities with Minnesota state agencies and Federal agencies, especially Atomic Energy Commission. Beginning in 1970, also responsible for construction management, start-up of new facilities, and quality assurance related to design and construction. Subsequent to the completion of original plant construction (Unit 1 in 1973, Unit 2 in 1974), responsible for licensing, design, construction, start-up, and quality assurance for major modifications.

1970-present

Tyrone Energy Park Unit No. 1, Durand, Wisconsin. Engineering, construction management, and quality assurance responsibilities for site investigations, pre-operational environmental monitoring, development of standardized plant design and procurement as NSP management representative in Standardized Nuclear Unit Power Plant System (SNUPPS), licensing activities with Nuclear Regulatory Commission, technical support for licensing activities with Wisconsin state agencies, pre-construction planning and preparations for start of construction when required state permits are received.

	1. NSP Department or Plant Directors, Office	ers and St	affs
	. Name Lewis J Crain		
	. Title Vice President		
	. Education a. Degrees BS Major E	lec'l Engi	neering
	b. Other Nuclear Education		
*	. Nuclear Work Experience (list number of year category)	rs & type of	work in each
	a. Nuclear Navy or related 'ilitary nuclear	r experience	
	b. Utility nuclear experience BWR	PWR	
	c. A/E, vendor or other nuclear experience		
6.	<ul> <li>Other work experience that might be helpful resource</li> </ul>	for nuclear	plant emergency
	a. Non-nuclear utility experience (years a	nd type of w	ork)
	See attached.		
	b. Other		
	D. Other		
	A Maria and the same and the sa		
19		Activo	Expired
7.		MCFIAG	EXPLIEU
7.		to the firm	
7.		Active	

# LEWIS J CRAIN

Positions held at Northern States Power Company:

Mar	1949	-	Jul	1949	Groundman	Sioux Falls Division
Jul	1949	-	May	1950	Engineering Dept	Sioux Falls Division
May	1950	-	Jan	1955	Sales Engineer	Sioux Falls Division
Jan	1955	-	Aug	1956	Sales Engineer	Mankato Division
Aug	1956	-	Jun	1960	Sales Manager	Southwestern Division (Montevideo)
Jun	1960	-	Jul	1964	Sales Manager	Faribault Division
Jul	1964	-	Jun	1967	Division Manager	Grand Forks Division
Jun	1967	_	Aug	1973	Division Manager	Northwest Division (St Cloud)
Aug	1973	-	Jan	1975	Vice President & Regional Manager	General Office (St Paul)
Jan	1975	-	pres	sent	Vice President	General Office (Minneapolis)

8/2/79

Title					
	Vice President-P	ower Prod	uction & S	ystem Operation	n
Educa	tion				
a. I	egrees B.Sc.		Major	Electrical Eng	ineering
b. (	ther Nuclear Educa	tion			
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cates	ar Work Experience	(list nu	mber or ye	ars a type or	WOLK IN EACH
a. !	Nuclear Navy or rel	ated mili	cary nucle	ar experience	
les 1	Itility nuclear exp	erience	BWR	PWR	
0. (	reilley nuclear exp	errence	DMI	T WK	
	/2		44.		
C+ /	A/E, vendor or othe	r nuclear	experienc	e	
C+ /	A/E, vendor or othe	r nuclear	experienc	e	
C+ /	A/E, vendor or othe	r nuclear	experienc	e	
Othe:	work experience t				plant emergenc
	work experience t				plant emergenc
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b. Other resonates the second	work experience to the state of	experience	be helpfonce (years record.	and type of we	ork)

### LEO J WACHTER

Sep	1948 -	Nov 1961	Engineering and Supervisory positions in Power Production
Dec	1961 -	May 1962	General Superintendent-Power Production
Jun	1962 -	May 1970	Manager of Electrical Operations
Jun	1970 -	Present	Vice President-Power Production & System Operation

<sup>\*</sup>These overall responsibilities included senior level decision making for nuclear, as well as fossil, plant matters.

	Dennis E. Gill				
Title _C	Gen Mgr Power	Prod			
Educatio a. Degr			Major _	Mechanical Engi	neering
b. Othe	r Nuclear Edu	cation			
Nuclear category	Work Experient	ce (list n	umber of yea	irs & type of w	ork in each
a. Nucl	ear Navy or t	elated mil	itary nuclea	r experience	
b. Util	ity nuclear e	experience	BWR	PWR	
					1
- × / **		line nunlan	v		
C. A/E,	vendor or ot	ner nuclea	r experience	3	
Other wo		that migh	t be helpfu	l for nuclear p	lant emergency
				and type of wor	
20 3	years in Gene	burning por ral Office agement.	Power Produ	ngineering staf	supervisor
b. Othe	r			POOR	
				NGIN!	
NRC oper	ator licenses	s held			
NRC oper			SRO	Active	Expired_
a. BWR:		RO			
<ul><li>a. BWR:</li><li>b. PWR:</li><li>c. Crit</li></ul>		RO	SRO	Active	Expired

## Dennis E. Gilberts (cont'd.)

1954	-	1955:	Black Dog Coal Fired Generating Plant Engineer on plant technical staff.
		1955: 1959:	Grand Forks Coal Fired Generating Plant Result Engineer.
1955	-	1957:	US Army
1959	_	1972:	Power Production Department General Office Supervising Engineer providing technical supervision of operations of various power plants.
1972	-	1973:	General Superintendent Fossil Plant Operations
1973	to	present:	General Manager Power Production (The Monticello BUR and Prairie Island PWR plants are included in this overall responsibility.)

1.	NSP Department or Plant NucleAR SuppoRT SERVICES
2.	Name L.O. MAYER
3.	Title MANAGER OF NUCLEAR SUPPORT SERVICES
4.	Education a. Degrees B. M. E. Major HEATING & VENTILATING MINOR POWER
	OAK RIDGE SCHOOL OF REACTOR TECHNOLOGY (ONE YEAR CURRICULUM)
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	N. A.
	b. Utility nuclear experience BWR X PWR X  IT YEARS - MANAGEMENT - NUCLEAR PLANT
	ORGANIZATIONAL FTRAINING PLANNING-OVERM SUPERVISION OF NUCLEAR PLANT OPERATION.  8 YEARS - MANAGEMENT OF INDEPENDENT RIFUTENTS  C. A/E, vendor or other nuclear experience AUDIT FUNCTION, NRC LICENSE ADMINISTRATION, & TECHNICAL SUPPORT FOR NUCLEAR PLANTS
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	10 YEARS FOSSIL PLANT OPERATING/ENINGERING
	b. Other
	POOR ORIGINAL
7 •	NRC operator licenses held
	a. BWR: RO SRO Active Expired
	b. PWR: ROSRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

1.4-13

	1.	SP Department or Plant System Operation	
		ame Kenneth K Dols	
•		itle /V/anager, System Operation	
		ducation	
		. Degrees BEE Major Power Communications	
		. Other Nuclear Education	
	5.	uclear Work Experience (list number of years & type of work in each ategory)	
		. Nuclear Navy or related military nuclear experience	
		. Utility nuclear experience BWR PWR	
9			
		. A/E, vendor or other nuclear experience	
	6.	ther work experience that might be helpful for nuclear plant emergency	
		esource	
		. Non-nuclear utility experience (years and type of work)	
		Supervision of Operating Communications Supervision of Operating Communications (Seased wire, Radio & microwave)	
		(Seared wire, sodio & microwere)	
			,
		763 232	
	7.	RC operator licenses held	
9		BWR: ROSROActiveExpired	
		. PWR: ROSRO Active Expired	
		or Test Reactor: RO SRO Active Expired	

TITLE:

Manager - System Operation Department

NAME:

Kenneth K. Dols

BIRTH DATE, AGE:

BUSINESS ADDRESS:

414 Nicollet Mall, Minneapolis, MN. 55401

ALL PRIOR EMPLOYERS:

All prior experience (in terms of function and duration) with the design, construction or operation of nuclear reactors.

I'r. Dols is Manager - System Operation Department. After graduation from the University of Minnesota, he began his career with NSP in 1948. He has been involved with relaying, control, communications, operations and directed the operation of the System Control Center and was appointed Manager in 1976.

System Operation Department is responsible for the operation of NSP's transmission system and for scheduling the operation of NSP's generating units and purchases of energy to most securely and economically supply energy to NSP's substations.

The System Operation Department also secures the operating communications (radio and leased circuits) for all production plants.

POOR ORIGINAL

1 .	NSP Department or Plant ADMINISTRATIVE SERVICES
2.	Name Kenneth E. Gelle
3.	Title General Manager - Administrative Services
4.	Education a. Degrees Bachelor - Major Mechanical Engineering
	b. Other Nuclear Education Nuclear Fuel Management (post graduate) Nuclear Reactor Design (post guaduate)
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR X PWR X  Monticello-Project Engineer 1967-1970  Prairie Island-Construction Superintendent and Start Up Superintendent 1970-1973  Tyrone Energy Park-Project Manager 1973 to 1978  Conducted Evacuation Drills for Construction Workers at  c. A/E, vendor or other nuclear experience
	Prairie Island 1973 Supervised Site Security at Prairie Island 1971-1973
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work) 1978-79 Purchasing and Security Department responsibilities
	b. Other
7.	NRC operator licenses held NONE 763 2
	a. BWR: RO SRO Active Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

2.0 Technical Resources (plant staff)

2.1 Summary

### 2.0 Technical Resources (plant staff)

### 2.1 Summary

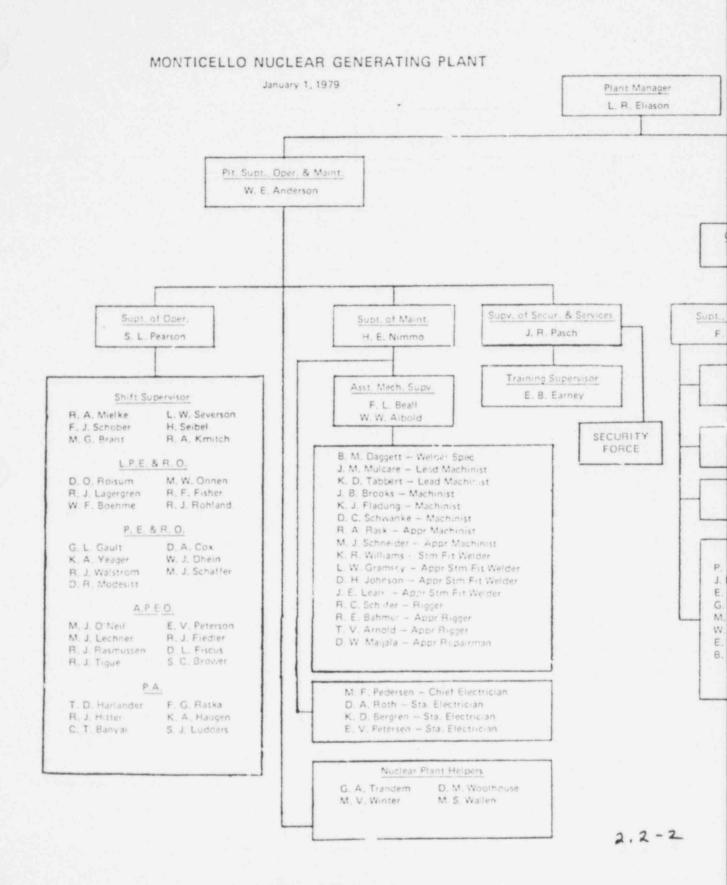
The plant resource personnel include all Engineers, Chemists, Scientists and other categories of Professional-Technical personnel. We have also included supervisory personnel from the Operations, Maintenance and Training sections since their level of expertise would be quite useful in an emergency at their own plant or at another plant. For similar reasons, we have included selected personnel from the Radiation & Chemical section (radiation protection and chemical analysis) and the Instrument & Control section. We believe that the titles shown on the organizational chart are reasonably descriptive of the activities performed by each section. Where the organization chart uses abbreviations for titles that cannot be easily interpreted, these titles are spelled out on the individual personnel resume's.

Although the nuclear plant electrical and mechanical maintenance crews could provide a significant number of personnel for maintenance activities in the event of an emergency, a substantial number of additional personnel are available from the fossil generating plant organizations who have previous experience working at nuclear plants during refueling outages. Information on these maintenance personnel are not included in this document.

POOR ORIGINAL

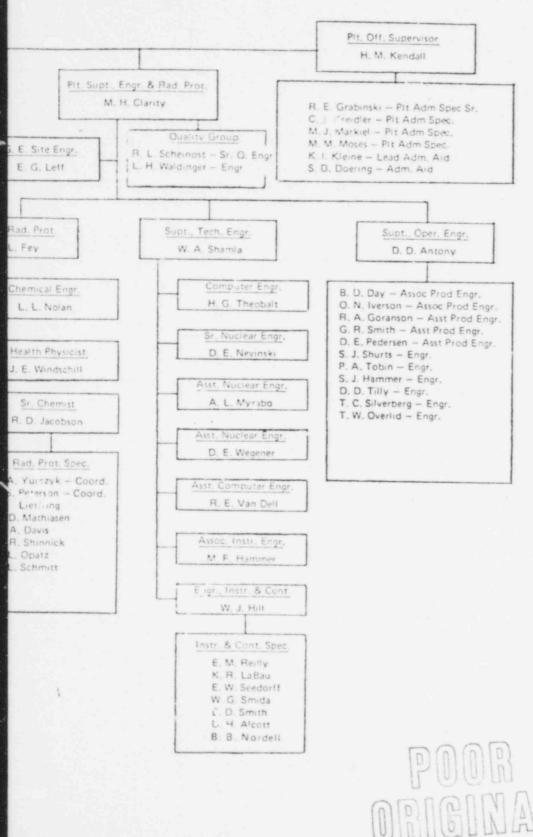
# 2.2 Monticello Nuclear Plant

- 2.2.1 Organization Diagram
- 2.2.2 Personnel Resume's



# POOR ORIGINAL

238.



POOR ORIGINAL

	epartment or Plan		Cello Necl	ear Generatin	griant
Name .	Darrel Alco	tt			
Title	Instrument	& Control	Specialis		
Educa			Major		
a. D	egrees		major		
b. 0	ther Nuclear Educ				
	NSP I&CS Progre	ession Tra	ining Prop	gram	
Nucle	ar Work Experienc	e (list n	umber of y	ears & type o	f work in each
a. N	uclear Navy or re	lated mil	itary nucl	ear experienc	e
4	years Air Force	Instrumen	t Speciali	st on nuclear	bomber.
	,0010 /01 10101				
b. U	tility nuclear ex	perience	BWR 5	1/2 yrswr	
5	1/2 years at Mon	ticello			
C - A	/E, vendor or oth	er nuclea	r experien	ice	
G	eneral Electric C	omputer S	cu001		
Other resou		that migh	t be helpf	ul for nuclea	r plant emergency
a. N	on-nuclear utilit	y experie	nce (years	and type of	work)
N	one				
b. 0	ther				
N	on@				
NRC o	perator licenses	held			
	WR:	RO	SRO	Active	Expired
cs + D	in.	110	- DINO		
	and the second s	W (*)	0.00	And the American	Proceedings of
b. P	WR: ritical Facility	RO	SRO	Active	Expired

. 1		NSP Department or Plant Monticello Nuclear Plant
2		Name Willard E. Anderson
3		Title PH Supt., Oper. & Maint.
4		Education
		a. Degrees Major
		NSP Nuclear Education  NSP Nuclear Theory Course (2 months) at Pathfinder Atomic Plant Allis Chalmers training at Greendale Laboratories (4 months)  MTR Facility training in Rx operations (7 months)  GE BWR Technology course (1 month)
5		Nuclear Work Experience (list number of years & type of work in each category)
		a. Nuclear Navy or related military nuclear experience
		August 1960 - May 1966 Shift Supv. at Pathfinder Atomic Plant May 1966 - July 1968 Operations Supv. at Pathfinder Atomic Plant July 1968 - March 1972 Maint. Supv. at Monticello Plant March 1972 - June 1978 Supt. of Oper. & Maint. at Monticello
		June 1978 - present Plt. Supt. of Oper. & Maint. c. A/E, vendor or other nuclear experience
,		
0		Other work experience that might be helpful for nuclear plant emergency resource
		Non-nuclear utility experience (years and type of work) 1953-1958 Watch Engr. (head of shift) at Sioux Falls Steam Plant 1958-1960 Steam Plant Operator (head of shift) at J.L. Lawrence Steam Pl
	ì	b. Other
7		NPC operator licenses held
/ •		NRC operator licenses held
	é	ROSRO_X ActiveExpired_X
	t	PWR: ROSROActiveExpired
	C	* SRO Licensed at Pathfinder Atomic Plant Active Expired

1.	NSP	Department or Plan	t Mo	nticello No	uclear Plant	
2.		e Douglas D. Antor				
3.	Tit	le Supt., Oper. Eng	gineering			
4.		Degrees B.S.N.E.		Major	Nuclear Engi	neering
	b.**	Other Nuclear Educ GE BWR Simulator GE BWR Simulator GE BWR Simulator	r Training r Requal T	raining (	3 days)	
5.		lear Work Experience	e (list nu	umber of yea	ars & type of	work in each
	a.	Nuclear Navy or re	lated mili	tary nucle	ar experience	
					*	
	b.	Utility nuclear ex June 1969 - pre	sent Pesu	ilts Enginee	er at Monticel	lo Nuclear Plant ing at Monticello
	c.	A/E, vendor or other	er nuclear	experience	е	
6.		er work experience	that might	be helpful	l for nuclear	plant emergency
	a.	Non-nuclear utility	y experien	ce (years	and type of wo	rk)
	b.	Other				
7	NPC	operator licenses	held			
				CDO V	tandan V	Front made
	a.	BWR:	RO		Active_X	
		PWR:	RO	SRO	Active	Expired
	c.	Critical Facility or Test Reactor:	RO	2.2-5	Active	
					* 17	763 242

1.	NSP	Department or Plan	t Monti	cello Nucle	ar Plant		_
2.	Nam	e Merlin Brant					
3.	Tit	le Shift Superviso	or				
4.		Cation Degrees None		Major			
	b.	Other Nuclear Educ GE BWR Technology GE BWR Simulator GE BWR Requal Tra GE BWR Requal Tra GE BWR Requal Tra	Course Training ining ining	(1 month) (3 months) (3 days) (3 days) (3 days)			
5.		lear Work Experiencegory)	e (list n	umber of yea	ars & type of	work in each	
	a.	Nuclear Navy or re	lated mil	itary nuclea	ar experience		
	b.	Utility nuclear ex 1968- Present Ass (Co	signed to	Monticello	as Lead Plant	Equipment Operator Supervisor at Montic	cello.
	с.	A/E, vendor or oth	er nuclea	r experience	е		
6.		er work experience	that migh	t be helpfu	i for nuclear	plant emergency	
	a.	Non-nuclear utilit 1958-1968 Worked (10 yrs.)				rk) he Operations Group	
	b.	Other					
7.	NRC	operator licenses	held				
	a.	BWR:	RO	SRO_X	Active_X_	Expired	
	b.	PWR:	RO	SRO	Active	Expired	
	C .	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	
				2.2-6			

1.	NSE	Department or Plant Monticello Nuclear Generating Plant
2.	Nan	Morgan H, Clarity
3.	Tit	le Plt. Supt., Engineering & Radiation Protection
4.	Edu	cation
	8.	Degrees B.S.M.E. Major Mechanical Engineering
		[발표] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1
	b.	NEBS Nuclear Education NEBS Nuclear Instrumentation Course by G.E. BWR Technology Course by G.E. Nuclear Power Plant Simulator Training by G.E. (12 weeks) GE-BWR Simulator Requalification Training (3 days)
		GE-BWR Simulator Requalification Training (3 days)
) .		lear Work Experience (list number of years & type of work in each egory)
	a.	Nuclear Navy or related military nuclear experience None
	h	Utility and loss angelesses pur 18 years man
	D.	Assigned to Pathfinder Atomic Plant as a member of Plant Results 7-61 Promoted to Pathfinder Results Engineer, May 1966
		Promoted to Assistant Plant Superintendent at Monticello in January, 196
	C •	A/E, vendor or other nuclear experience
		The second of the second second
6.		er work experience that might be helpful for nuclear plant emergency ource
	a.	Non-nuclear utility experience (years and type of work)
		Employed as Plant Results Group at various NSP Fossil Plants from 1960-
		1961.
	b.	Other
7	NIP C	
7 •	NKC	operator licenses held
	a.	BWR: RO SRO X Active X Expired
	b.	PWR: RO SRO Active Expired
	c.	Critical Facility
		or Test Reactor: RO SEO Active Expired 244
		SRO Licensed at Pathfinder Atomic Power Plant 2.2-7

1.	NSP Department or Pla	nt Mont	icello Nuc	lear Plant	
2.	Name Myron Davis				
3.	Title Radiation Prot	ection Spe	cialist		
4.	Education				
	a. Degrees		Major		
		-			-
		_			
	10 years at Pa NSP Radiation	thfinder N	Nuclear Pla Training	nt Program	
5.	Nuclear Work Experiencacegory)	ice (list	number of y	years & type of	f work in each
	a. Nuclear Navy or I	elated mi	litary nucl	lear experience	8
	b. Utility nuclear of 10 years at Pa 5 years at Mon	thfinder /	Atomic Plan	it	-
	c. A/E, vendor or of	her nucle	ar experien	nce	
6.	Other work experience resource	that mig	ht be help	ful for nuclea	r plant emergency
	a. Non-nuclear util:	ty experi	ence (years	s and type of	work)
	b. Other				
7.	NRC operator licenses	held			
	a. BWR:	RO	SRO	_ Active	Expired
	b. PWR:	RO	SRO	_ Active	Expired
	c. Critical Facility	,	The state of the s		
	or Test Reactor:	RO	SRO		Expired
			2.2-	8	The state of the s

2.	Name	Byron Day	/			
3.	Title	Associate	e Productio	n Engr.		
4.	Education a. Degree	B.S.M.E.		Major	Mechanical Eng	ineering
	GE-Rec GE-Rec	Nuclear Educ R Fundamental License Cer qualification qualification asic Reactor	ls Course ( rtification n Training n Training	(6 days) Simulator Simulator	(3 days)	
5.	Nuclear Wo	rk Experienc	ce (list nu	mber of ye	ars & type of	work in each
	a. Nuclea	r Navy or re	lated mili	tary nucle	ar experience	
	None					
	b. Utilit	y nuclear ex	perience	BWR 6 y	TS. PWR	
	System	ns Engineer a	at the Mont	icello Nuc	clear Generatin	ng Plant
	c. A/E, v	endor or oth	er nuclear	experienc	e	
	None					
6.	Other work resource	experience	that might	be helpfu	1 for nuclear	plant emergency
	a. Non-nu	clear utilit	y experien	ce (years	and type of wo	rk)
	1 year	engineer in	ntern			
	b. Other					
7.	NRC operat	or licenses	held			
7.	NRC operat	or licenses		SRO_X	ActiveX	Expired
7.		or licenses			ActiveX	

1.	NSP	Department or Plant	Montic	ello Nucl	ear Plant	
2 .	Name	Eugene B. Earney				
3.	Titl	e Training Supervi	sor			
4.	Educ	ation				
	a.	Degrees		Major		
	b.	Other Nuclear Educa	tion			
		NSP Basic Reactor T GE BWR Technology C GE BWR Simulator Tr	Course raining	(1	months) month) months)	
		GE BWR Simulator Re General Physics BWR	equal		days) days)	
5.	Nucl	ear Work Experience	(list num			ork in each
	a.	Nuclear Navy or rel	ated milit	ary nucle	ar experience	
	b.	Utility nuclear exp	perience at Montice	BWR 11	yrs. pwR_ ant Equipment a	nd Reactor Operator
		(Contro	1 Room)	ent and R	eactor Operator	
		A/E, vendor or othe	er nuclear	experienc	e	
		A/L, VEHIOL OF OTHER				
6.		er work experience tource	that might	be helpfo	al for nuclear p	lant emergency
	a.	Non-nuclear utility	y experien	ce (years	and type of wor	k)
		1965-1968 Worked	as an oper	rator at N	NSP Fossil Plant	
	b.	Other				
		William.				
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO_X	Active_X_	Expired
	b.	PWR:	RO	SRO	Active	Expired
	c •	Critical Facility or Test Reactor:	RO	SRO	Active	Expired_
				2 2	14	

	Name	Leon R. Eliason				
		Plant Manager				
		Degrees B.S.M.E.		Major _	Mechanical E	ngineering
	b.	Other Nuclear Educa	tion			
		Radioisotopes in Re GE Radiation Protec GE 3 day Requalific GE BWR Technology (	tion Eng	ineer Course	e at Vallecit	os Nuclear Center
		ear Work Experience gory)	(list n	umber of yea	ars & type of	work in each
	a.	Nuclear Navy or rel	lated mil	itary nucle	ar experience	
		None				
		Utility nuclear exp				
		April 1967, Pathfir September, 1967, To January, 1968, Promote June, 1976, Promote	ransferre moted to	d to Pathfi Radiation P	nder Radiation rotection Eng	on & Chemical Group gineer at Monticell
		A/E, vendor or other				
6.		er work experience	that migh	t be helpfu	l for nuclear	r plant emergency
	a.	Non-nuclear utilit	y experie	nce (years	and type of w	work)
						oup at the Blackdog
	b.	Other				
			cember 19 n Industr	65, employerial Chemica	ed by Dow Cher al Cleaning O	mical as a Sales am perations
7.	NRC	operator licenses	held			
		BWR:		SRO X	Active	Expired X
				. I define		Expired
		PWR:	KU	580	vcc.ive	_ DAPITEU
	C .	Critical Facility or Test Reactor:	RO		Active	

		P Department or Plan		ticello Nuc	lear Plant	
2.	Nan	ne Fred L. Fey, Jr				
3.	Tit	le Supt., Radiatio	n Protect	ion		
4.	Edu a.	Degrees B.S.H.P. M.P.H. Master of	Science	Major	Health Phys Public Heal	
	b.	Other Nuclear Educ GE BWR Technolo GE BWR Simulato General Physics Radiological Em	gy Course r Requal ' Simulator	Training (	aining (3 days	s) A (1 week)
5.		lear Work Experience	e (list n	umber of ye	ars & type of	work in each
	a •	Nuclear Navy or re	lated mil	itary nucle	ar experience	
	b.	Utility nuclear ex Engineer at Pat Promoted to Sys Promoted to Sup	hfinder Attems Engir	tomic Plant neer 1	Jan. 1968-Ju: 968-1976 at Mon	ly 1968 nticello. nt at Monticello
	C+	A/E, vendor or oth Health Physicis				67
6.		er work experience ource	that might	t be helpful	l for nuclear p	olant emergency
	a.	Non-nuclear utilit	y experien	nce (years	and type of wor	rk)
		0.1				
	b.	Member of Healt Member of Indus Member of EEI H	trial Hyg	iene Society		
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO_X	Active_X_	Expired
	b.	PWR:	RO	SRO	Active	Expired
	c •	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				2.2-	12	

1.	NSP	Department or Plant N	Monticello Nuc	lear Generating Pl	ant
2.		n:			
3.	Titl	le Associate Produc	tion Engr.		
4.	Educ	cation		11 11 11 11 11 11	
		Degrees B.M.E.	Maj	or Mechanical Eng	rineering
	b	Other Nuclear Educati U.S. Army, Nuclear Po	on Plant One	ators Course	
		CE-RWD Fundamentals C	ourse (6 days)		
		GE-RWR Simulator Requ	alification Tr	aining (3 days)	
		NSP Basic Reactor The	ory course (3	montais)	
					wall do each
5.	Nuc.	lear Work Experience (	list number of	years & type of V	WORK IN EACH
			1 -13/1	-loor evnerience	
	ě. ·	Operators Course. Regeneration. Did reta	y, Engineer Po	ower Group. I year	r at Nuclear Power Plant el and gas turbine power st 2 years through yearly
		testing program.		×	
	b.	Utility nuclear exper	ience BWR	4 PWR	
		4 years as operations Plant.	engineer at 1	NSP, Monticello Nu	clear Generating
	C *	A/E, vendor or other	nuclear exper	ience	
		None			
6.		ner work experience the source	at might be he	lpful for nuclear	plant emergency
	3 .	Non-nuclear utility	experience (ye	ars and type of wo	rk)
	47	1 1/2 year as operate Shift Supervisor.	or on U.S. Arm	y, Power Barge Web	per. Qualified as
		1/2 year as operation	ns engineer at	NSP, High Bridge	Plant.
		1 year as student en	gineer at NSP,	High Bridge and B	(ing Plants.
	D.	Other			
7.	NRC	C operator licenses he	ld		
	a.	BWR:	ROSRO	Active	Expired
	b.	PWR:	RO SRO_	Active	Expired
		Critical Facility			
		or Test Reactor:	ROSRO	Active	Expired
			2	.2 -/3	200

1.	NSP I	Department or Plant	Mont	icello Nuc	lear Plant	
2 •	Name	Michael Hammer				
3.	Title	Associate Instru	ment Engi	neer		
4.		Degrees B.E.E.		Major _	Electrical Engi	neering
	b. (	Other Nuclear Educa GE BWR Fundamentals GE BWR Simulator Re GE BWR Simulator Re	course equal	(6 days) (3 days) (3 days)		
5.	Nucl cate	ear Work Experience gory)	(list num	mber of yes	rs & type of w	ork in each
	a.	Nuclear Navy or rel	ated mili	tary nuclea	ar experience	
	b.	Utility nuclear exp 7 years-plant oper	erience rations en	BWR 7 yr gineering	cs. PWR	
	C+	A/E, vendor or othe	er nuclear	experience		
6.		er work experience tource	that might	be helpfu	l for nuclear p	lant emergency
	a.	Non-nuclear utility 1 year system pla		ice (years	and type of wor	k)
	b.	Other				
7.	NRC	operator licenses l	held			
	a.	BWR:	RO	SRO_X	ActiveX_	Expired
	ь.	PWR:	RO	SRO	Active	Expired
	с.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				2.2.		763

. 0

1.	NSP I	Department or Plant	Monti	cello Nucle	ar Plant	
2.	Name	Steve Hammer				
3.	Title	Asst. Production	Engineer			
4.		Degrees B.S.		Major _	Mechanical Png	ineering
	b. (	Other Nuclear Educa	tion	-		
5.	Nucle	ear Work Experience gory)	(list num	mber of yea	rs & type of w	ork in each
	a.	Nuclear Navy or rel	ated mili	tary nuclea	r experience	
	b.	Utility nuclear exp Production engin changes, trouble	eer in cha	arge of sys	tems operation	, reporting , design
	C+	A/E, vendor or othe	er nuclear	experience		
6.		er work experience tource				
	a.	Non-nuclear utility NA	experien	ce (years a	and type of wor	k)
	b.	Other NA				
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
	C •	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				2.2		763 25

1.	NSP Department or Plant Monticello Nuclear Plant
2.	Name William J. Hill
3.	Title Engr. Instr. & Controls
4.	a. Degrees BSEE Major Electrical Engineering
	b. Other Nuclear Education
	BWR Technology at GE in San Jose (1 month) Nuclear Instrumentation at GE in San Jose (1 month)
	GE BWR Simulator Requal (3 days) General Physics Simulator Requal (3 days)
	General Physics Simulator Require
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	None
	b. Utility nuclear experience BWR 11 yrs. PWR  11 years with NSP - startup experience at Monticello and instrumentation has been the main area of experience
	c. A/E, vendor or other nuclear experience 3 months with AEC Ltd. of Canada at the Chalk River Site - worked with Computer Interface Designs
	Computer interrace besigns
	the belief of the section of the sec
6.	Other work experience that might be helpful for nuclear plant emergency resource
	<ul> <li>Non-nuclear utility experience (years and type of work)</li> <li>None</li> </ul>
	b. Other None
7.	NRC operator livenses held
	a. BWR: ROSRO_X Active_X Expired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.2-16 763 253

1.	NSP Departs	ment or Plant Mo	nticello Nucle	ear Generating	g Plant	
2.	Name	Oliver Iverson				
3.	Title	Associate Product	ion Engr.			
4.	Education a. Degrees	s B.S. of M.E.	Major _	Mechanical	Engineering	
	b. Other	Nuclear Education				
	GE-BWR	Fundamentals Cours	se (6 days)			
5.	Nuclear Wo	ork Experience (list	number of year	ers & type of	work in each	
	a. Nuclea	r Navy or related m	military nuclea	r experience		
	None					
			nim 6	pt.m. 2#		
	* Two	y nuclear experience years while in the 1979 - Monticello	e Construction	Department -	Prairie Island Nu	clear Plan
	c. A/E, v	vendor or other nucl	lear experience			
	None					
6.	Other work resource	experience that mi	ight be helpfu	l for nuclear	plant emergency	
	a. Non-nu None	uclear utility expen	rience (years	and type of w	ork)	
	b. Other					
	None					
7.	NRC operat	tor licenses held	- None			
	a. BWR:	RO	SRO	Active	Expired	
	b. PWR:	RO	SRO	Active	Expired	
		cal Facility st Reactor: RO	SRO	Active	Expired	254

	NSP	Department or Plant Monticello Nuclea	r Plant
		e Ron Jacobson	
	Titl	le Sr. Chemist	
	Educ a.	Degrees B.A'67 Major	Chemistry
	b.	Other Nuclear Education 1 month BWR GE Technology 3 months BWR GE Chemistry other various on site training (syste GE BWR Simulator Requal Training (3 d	ms, QA) lays)
*		lear Work Experience (list number of years egory)	& type of work in each
	a.	Nuclear Navy or related military nuclear	experience
	b.	Utility nuclear experience BWR 11 yrs 11 * years (8 years operating experience)	ence) at Monticello
	C *	A/E, vendor or other nuclear experience	
		er work experience that might be helpful is	for nuclear plant emergency
	a.	Non-nuclear utility experience (years and	d type of work)
	b.	Other	
	NRC	operator licenses held	
	a.	BWR: R6SRO	ActiveExpired
	b.	PWR: ROSRO	ActiveExpired
	C +	Critical Facility or Test Reactor: ROSRO	ActiveExpired
		2.2-1	763

1.	NSP Department or Plant Monticello Nuclear Plant
2.	Name Raymond A. Kmitch
3.	Title Shift Supervisor
4.	Education
	a. Degrees Major
	b. Other Nuclear Education
	GE BWR Technology Course (1 month) GE BWR Simulator Training (3 months)
	GE BWR Requal Training (3 days)
	GE BWR Requal Training (3 days)
	NSP Basic Reactor Theory (3 months)
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR 11 yrs. PWR
	1968 Assigned to Monticello Plant as a Lead Plant Equipment Operator (Control Room) then promoted to a Shift Supervisor at Monticello
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	A.P.A. Fossil Plant (Coal & Gas) 4 years
	P.A. Fossil Plant (Coal & Gas) 5 years
	Asst. Operator Fossil Plant (Coal & Gas) 5 1/2 years Operator Hydro Plant (same site as above) 5 years
	b. Other
	Operator Generating Plant (private hospital) 3 1/2 years
7.	NRC operator licenses held
	a. BWR: RO SRO X Active X Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility
	or Test Reactor: RO SRO Active Expired
	2-7-19

1.	NSP Department or Plant Monticello Nuclear Generating Plant
2.	Name Ken LaBau
3.	TitleInstrument & Control Specialist
4.	Education a. Degrees None Major None
	b. Other Nuclear Education
	College Physics, I & II NSP I&CS Progression Training Program
5.	Nuclear Work Experience (list number of years & type of work in each category) 19 years
	a. Nuclear Navy or related military nuclear experience
	January 1959 - September 1959 - Submarine Nuclear School, New London, Connecticut September 1959 - May 1960 - SIW Training Facility, Idaho Falls, Idaho, RO License June 1960 - May 1962, USS Halibut SSGN 587 San Francisco, California
	b. Utility nuclear experience BWR 17 yrs. PWR
	May 1962 - June 1962 - VBWR Vallecitos, GE Pleasanton, California - Reactor Oper. June 1962 - October 1962, RML Vallecitos, GE Pleasanton, California - Fuels Handlin October 1962 - August 1968 - GETR Vallecitos, GE Pleasanton, California - Electri. July 1969 - Present, Monticello Nuclear Generating Plant, I&CS Group
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency
	Fire fighting schools, Navy - First Aid Courses, Red Cross  a. Non-nuclear utility experience (years and type of work)
	August 1968 - July 1969, Riverside Generating Plant, Minneapolis, MN
	August 1906 - July 1909, Riverside Generating Flant, Filmhoupours, Far
	b. Other Had applied for RO license at VBWR but due to cutting of federal funds in June of 1962, VBWR was retired from service.
7.	NRC operator licenses held
	a. BWR: ROSRO Active Expired
	b. PWR: RO X (Navy) Active Expired Y
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.2-20 Expired 7.7 257

	Title Radiation PRotection	on Specialist		
	Education			
	a. Degrees	Major		
	H			
	-	_		-
	b. Other Nuclear Educati	on		
	Navy Nuclear Power NSP Rad. Prot. Tra	aining Program		
	Nuclear Work Experience (category)	list number of year	s & type of w	ork in each
	a. Nuclear Navy or relat	ed military nuclear	experience	
	Navy 1961-1965			
	10-111-	dance nim ex	DUTO	
	b. Utility nuclear exper	ience NWK 11 yr	S. PWK	
		n-Dresden 1968-1969 Plant 1969-1979		
	c. A/E, vendor or other	nuclear experience		
	Health Physics, In	c. Part time 1965-1	968	
	Other work experience tha	t might be helpful	for nuclear p	lant emergency
	resource			
	a. Non-nuclear utility e	xperience (years an	d type of work	k)
	a. Non-nuclear utility e			k)
*	a. Non-nuclear utility e	experience (years and field - First Aid -		k)
	a. Non-nuclear utility e 20 years medical f			k)
	a. Non-nuclear utility e			k)
	a. Non-nuclear utility e 20 years medical f			k)
	a. Non-nuclear utility e 20 years medical f			k)
	a. Non-nuclear utility e 20 years medical f			k)
	a. Non-nuclear utility e 20 years medical f	field - First Aid -		k)
	a. Non-nuclear utility e 20 years medical f b. Other  NRC operator licenses hel	field - First Aid -	U.S. Navy	
	a. Non-nuclear utility e  20 years medical f  b. Other  NRC operator licenses hel  a. BWR:	d None	U.S. Navy	Expired
	a. Non-nuclear utility e  20 years medical f  b. Other  NRC operator licenses hel  a. BWR: R  b. PWR: R  c. Critical Facility	d None	U.S. Navy	Expired

1.	NSP Department or Plant Monticello Nuclear Plant
2.	Name Glenn Mathiasen
3.	Title Sr. Radiation Protection Specialist
4.	Education a. Degrees Major
	b. Other Nuclear Education
	NSP Rad. Prot. Training Program
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR 10 yrs.pwR Radiation Protection at Monticello
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
7.	NRC operator licenses held
	a. BWR: ROSRO Active Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired  2.2-22

1.	NSP	Department or Plant Monticello Nuclear Generating Plant
2.	Nam	e Robert Mielke
3.	Tit	le Shift Supervisor
4.	Edu a.	Degrees None Major
	b.	Other Nuclear Education NSP Nuclear Theory Course (2 months) GE-BWR Simulator Training (3 months) Allis Chalmers Greendale Laboratories (3 months) CP-5 Facility Training in Rx Operations (3 months) GE-BWR Technology Course (1 month) GE-Requalification Training Simulator (3 days) General Physics Requalification Simulator Training (3 days)
5.		lear Work Experience (list number of years & type of work in each egory)
	a.	Nuclear Navy or related military nuclear experience
	b.	Utility nuclear experience BWR 18 yrs. pWR
		1960-1966, Senior Plant Equipment Operator at Pathfinder 1966-1968, Shift Supervisor at Pathfinder Plant 1968-Present, Shift Supervisor at Monticello Nuclear Generating Plant
	C *	A/E, vendor or other nuclear experience
6 *		er work experience that might be helpful for nuclear plant emergency ource
	a.	Non-nuclear utility experience (years and type of work)
		1947-1960 - Operations Group at Various NSP Fossil Plants
	b .	Other
7.	NRC	operator licenses held
	a.	BWR: RO SRO X Active X Expired
	b.	PWR: RO SRO Active Expired
	C.	Critical Facility or Test Reactor: ROSROActive Expired
		SRO Licensed at Pathfinder Atomic Plant 2 2-23 7/7 761

	NSP Department or Plant Monticello Nuclear Plant
	Name Arne Myrabo
	Title Asst. Nuclear Engineer
	Education a. Degrees B.S.  Major Engineering Science Nuclear Engineering
	b. Other Nuclear Education
	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR 2 yrs. PWR
	3 years General Electric Nuclear Energy Division BWR surveillance, gamma scan (PWR & BWR) BWR core analysis & management
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
	D. Other
7.	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired 2.2-24

1.	NSP	Departme	ent or Plan	it Mon	nticello Nu	clear Generat	ing Plant
2.	Hame		Douglas Nev	rinski			
3.	Titl	е	Sr. Nuclear	Engineer			
4.	Educ	ation					
			B.S.M.E M.B.A.		Major	Nuclear Engine Business Admir	eering nistration
	b.	G.E. St GE-BWR GE-BWR GE-Simu	uclear Educ ation Nucle Technology Simulator T lator Requa lator Requa	ear Engine Course (1 Training Co alification	month) ourse (3 mc on Training	ontns) (3 days)	
5.		ear Worl	k Experienc	e (list nu	imber of ye	ars & type of	work in each
	a.	Nuclear	Navy or re	lated mili	tary nucle	ar experience	
	b.	Utility	nuclear ex	perience	BWR 11	PWR	
			perations r engineeri		10		
	C.	A/E, vei	ndor or oth	er nuclear	experienc	e	
6.		r work o	experience	that might	be helpfu	l for nuclear	plant emergency
	a.	Non-nuc	lear utilit	y experien	ce (years	and type of wo	rk)
	-	Other ANS Mem	her				
		1410 11011	001				
7.	NPC	onerator	licenses	hold			
		BWR:	rrcenses	RO	1684 SRO X	Active X	Expired
				-			
		PWR:	Facility	RO	SRO	Active	Expired
		or Test	Reactor:	RO	SRO	Active	Expired
					2 2	25	

	me Herbert Nimmo
Ti	tle Supt. Of Maint.
Ed	ucation
a.	Degrees Major
b.	Other Nuclear Education
	GE BWR Technology Course (4 wks.)
	clear Work Experience (list number of years & type of work in each tegory)
a.	Nuclear Navy or related military nuclear experience
	아이들이 그런 아이 회사들을 받는 그는 유리님은 작은 이 등 동생한 중요한 것이다.
ь.	Utility nuclear experience BWR 11 yrs. PWR
	1968-1972 Chief Electrician at Monticello Plant 1972-1978 Maint. Supervisor at Monticello Plant
	1978-present Supt. Of Maint. at Monticello Plant
c .	A/E, vendor or other nuclear experience
OH	ner work experience that might be helpful for nuclear plant emergency
	source
a.	Non-nuclear utility experience (years and type of work)
	1948-1949 Fireman at Riverside Fossil Steam Plant 1949-1951 Boiler and Aux. Operator at Riverside Steam Plant
	1951-1959 Asst. Boiler Room Foreman at Riverside Plant
b.	1959-1968 Station Electrician at Riverside Plant
0.	other
NRO	operator licenses held
NR(	Operator licenses held
a.	
a. b.	BWR: RO SRO Active Expired

	Name Lawrence L. Nolar			
3.	Title Chemical Engineer			
4.	Education			
	a. Degrees B.S. M.S.	Major	Chem. Engr.	(U. OF MN) (Oregon State Univ.)
5.	FE RWD Simulator	r Training ssroom nt training Requal (3 days) Requal (3 days)	Univ. Of (two wee	m Protection Surveys Michigan eks)  ical Emergency Response Program, NRC, EPA (1 w
	A. Nuclear Navy or rel Nuclear Navy 1 year training 3 years operatin Engineering Dept	g - USS Long Beach . Qualified Eng. O	CG (N) - 9	atch.
	b. Utility nuclear exp 10 years at Mont	erience BWR 10 icello Nuclear Plan	yrs. PWR	
	c. A/E, vendor or othe	er nuclear experien	ce	
6.	Other work experience tresource	that might be helpf	ul for nuclear	plant emergency
	a. Non-nuclear utility	experience (years	and type of wo	rk)
	b. Other			
	b. Other			
	b. Other			
7.	b. Other	neld		
7.		neld ROSRO_X	Active_X_	Expired
7.	NRC operator licenses			

	. Byron Nordell			
Tit	le Instrument &	Control Specialis	st	
	Degrees	Majo	or	
b.	Other Nuclear Educa			
	NSP I&CS Progre	ssion Training Pr	ogram	
	ear Work Experience	e (list number of	years & type of	work in each
car.	egory)			
a.	Nuclear Navy or rel	lated military nuc	lear experience	
	4 1/2 years aboard	nuclear submarine	es.	
	Worked on Underwate	er Fire Control Sy	ystem for nuclea:	r weapons.
ъ.	Utility nuclear exp	perience BWR_	l year PWR	
	I&CS At the Montic	ello Nuclear Gener	rating Plant	
		er nuclear experie	ence	
C *	A/E, vendor or other	or manner subserve		
C *	A/E, vendor or othe			
C +	A/E, vendor or othe			
C+	A/E, vendor or othe			
	A/E, vendor or other			plant emergency
Oth				plant emergency
Otheres	er work experience	that might be help	oful for nuclear	
Otheres	er work experience to ource Non-nuclear utility	that might be help	oful for nuclear	ork)
Otheres	er work experience to ource Non-nuclear utility	that might be help	oful for nuclear	
Otheres:	er work experience tource  Non-nuclear utility 4 1/2 years combin	that might be help	oful for nuclear	ork)
Otheres:	er work experience to ource Non-nuclear utility	that might be help	oful for nuclear	ork)
Otheres:	er work experience tource  Non-nuclear utility 4 1/2 years combin	that might be help	oful for nuclear	ork)
Otheres:	er work experience tource  Non-nuclear utility 4 1/2 years combin	that might be help	oful for nuclear	ork)
Otheres:	er work experience tource  Non-nuclear utility 4 1/2 years combin	that might be help	oful for nuclear	ork)
Otheres:	er work experience tource  Non-nuclear utility 4 1/2 years combin	chat might be help y experience (year ed at Riverside,	oful for nuclear	ork)
Otheres a.	er work experience tource  Non-nuclear utility 4 1/2 years combin  Other	chat might be help y experience (year ed at Riverside,	oful for nuclear rs and type of wo SherCo, and High	ork) Bridge power plants.
Otheres:	er work experience tource  Non-nuclear utility 4 1/2 years combin  Other  Operator licenses is	chat might be help y experience (year ed at Riverside, held ROSRO	oful for nuclear rs and type of wo SherCo, and High	Expired
Otheres: a. b. NRC a. b.	er work experience tource  Non-nuclear utility  4 1/2 years combin  Other  Ope. ator licenses to the same to the s	chat might be help y experience (year ed at Riverside, held ROSRO	oful for nuclear rs and type of wo SherCo, and High	Expired
Otheres  a.  b.  NRC  a.  b.	er work experience tource  Non-nuclear utility 4 1/2 years combin  Other  Operator licenses is	rhat might be help y experience (year ed at Riverside,  meld ROSRO	oful for nuclear rs and type of wo SherCo, and High	Expired

1.	NSP Department or Plant konticello Nuclear Plant
2.	Name Eugene Opatz
3.	Title Rad. Prot. Spec.
4.	Education a. Degrees Major
	b. Other Nuclear Education NSP Rad. Prot. Training Program
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR 5 yrs. PWR 5 years at Monticello
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
7.	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: ROSROActiveExpired

2.2-29

NSP	Department or Plan	Mont:	icello Nucl	ear Plant	Para Page
Name	Terry Overlid				
Tit	le Assistant Produc	tion Engi	neer		
Edu a.	Degrees B.S.		Major _	Mech./Nuc.	-
b.	Other Nuclear Educ				
	Navy Nuclear Pow	ver School			
	lear Work Experience egory)	e (list nu	mber of yea	ers & type of t	work in each
41.0	Nuclear Navy or re 6 yrs. (3 on st	lated mili ub.)	tary nuclea	ar experience	
b.	Utility nuclear ex	perience	BWR 1 yr	r. PWR	
	at Monticello a	s Systems	Engineer		
	A/E, vendor or oth	er nuclear	experience		
	Operator & SRO				
	Test leactor, U	niv. of Ca	alif., Berke	eley	
Oth	er work experience	that might	be helpful	for nuclea,	olant emergency
	ource				
a.	Non-nuclear utility	y experien	ice (years a	and type of wo	rk)
	NA				
	NA				
b .	Other				
	NA				
NRC	operator licenses	held			
a .	BWR:	RO	SRO	Active	Expired
b.	PWR:	RO	SRO	Active	Expired
C .	Critical Facility or Test Reactor:	RO	SROX	Active	X Expired_
			2 2	30	-

1.	NSP Department or Plant
2.	Name James R. Pasch
3.	Title Supv. of Security & Services
4.	Education a. Degrees BSME Major Mechanical Engr. MSME Mechanical Engr.
	b. Other Nuclear Education GE Simulator Requal Training (3 days) U.S. Naval Academy 1950-1964 GE Simulator Requal Training (3 days)
5.	Nuclear Work Experience (list number of years & type of work in each category)
	Qualified Engineering watch officer D16-140 MW Rx (1 yr.) Qualified Engineering watch officer S5W-80 MW Rx (2 yrs.)
	b. Utility nuclear experience BWR 7 yrs. PWR  1972-1974 Systems Engineer at Monticello Nuclear Plant 1974-1977 Training Supv. at Monticello Plant 1977-present Supv. of Security & Services at Monticello
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other Member of American Society of Industrial Security Member of ASME, NSPE, MSPE
7.	NRC operator licenses held
	a. BWR: RO SRO X Active X Expired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.2-3/

	me Stanley L. Pearson
6.6	tle Supt. Of Operations
***	
	Degrees None Major
ca *	Degrees Thomas and the second
	Other Nuclear Education
	NSP Nuclear Theory Course At Pathfinder Plant (3 months) Allis Chalmers Greendale Laboratories Training (3 months) CP-5 Facility at Argonne Training in Rx Operations (3 months) GE BWR Technology Course (1 month) GE BWR Simulator Training (3 months) GE Requal Training Simulator (3 days) GE BWR Simulator Requal (3
	clear Work Experience (list number of years & type of work in each
ca	tegory)
a	Nuclear Navy or related military nuclear experience
b.	Utility nuclear experience BWR 19 yrs. PWR 1960-1966 Assigned to Pathfinder as Senior Plant Equipment Operator
	1966-1968 Shift Supervisor at Pathfinder Atomic Plant 1968-1977 Shift Supervisor at Monticello Plant 1977-1979 Supt. Of Operations at Monticello Plant
C.	A/E, vendor or other nuclear experience
0.	because assertioned that might be helpful for nuclear plant emergency
Ot	ther work experience that might be helpful for nuclear plant emergency esource
re	Non-rucless willity experience (years and type of work)
re	Non-nuclear utility experience (years and type of work) 1948-1960 Worked in various operating positions at NSP Fossil Plant
re	Non-rucless willity experience (years and type of work)
re	Non-nuclear utility experience (years and type of work) 1948-1960 Worked in various operating positions at NSP Fossil Plant
a	Non-nuclear utility experience (years and type of work) 1948-1960 Worked in various operating positions at NSP Fossil Plant
a	Non-nuclear utility experience (years and type of work)  1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)
a	Non-nuclear utility experience (years and type of work)  1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)
a	Non-nuclear utility experience (years and type of work)  1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)
re a. b.	Non-nuclear utility experience (years and type of work)  1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)
re a. b.	Non-nuclear utility experience (years and type of work) 1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)  Other
b. NF	Non-nuclear utility experience (years and type of work)  1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)  Other  Coperator licenses held  BWR: RO SRO X Active X Expired
b. NF	Non-nuclear utility experience (years and type of work) 1948-1960 Worked in various operating positions at NSP Fossil Plant (12 yrs.) (Wilmarth)  Other

1.	NSP	Department or Plan	t	onticello	Nuclear Plant	
2.	Name	Donald Pedersen				
3.	Tit	le Assoc. Productio	on Enginee	er		
4.		Degrees BACH.		Major	Aeronautica	1 Eng.
	b.	Other Nuclear Educ GE BWR Simulator		Training	(3 days)	
5.	cate	lear Work Experienc egory)				
	a.	Nuclear Navy or re Airforce transp	lated mil ort of Nuc	itary nuclo clear Weap	ear experienc on components	e (3 yrs.)
	b.	Utility nuclear ex Systems Operati				
	C.	A/E, vendor or oth	er nuclea	r experien	ce	
6 .		er work experience ource	that migh	t of nelpf	ul for nuclea	r plant emergency
	a •	Non-nuclear utilit	y experie	nce (years	and type of	work)
	b.	Other Command and com Operational cod	ntrol expe	rience as during air	airforce pilo force emerger	ot (5 yrs.) ncies (3 yrs.)
7.	NRC	operator licenses	held Non	ie		
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
	c.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				4.4		763

1 +	NSP Department or Plant Monticello Nuclear Plant
2.	Name John Peterson
3.	Title Radiation Protection Coordinator
4.	Education a. Degrees Major
	b. Other Nuclear Education U.S. Navy Nuclear Power School U.S. Navy Nuclear Power Prototype NSP Radiation Prot. Training Program
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience U.S. Navy 1966-1971 (Subs.)
	b. Utility nuclear experience BWR 7 yrs. PWR 1972-1979
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
7.	NRC operator licenses held
	a. BWR: RO SRO Active Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

Name _	Edw	ard Rei	lly	-		
Title	Ins	trument	& Control	Specialist		
Educat a. De		None		Major	None	
	-					
		lear Edu				
				physics. aining Progra	am	
Nuclea catego		Experie	nce (list	number of ye	ars & type o	of work in each
a. Nu	lear N	lavy or 1	related mi	litary nucle	ar experienc	e
N/	1					
b. Ut	llity n	uclear	experience	BWR 11	yrs. PWR	
		as Inst		Control Speci	alist at the	e Monticello Nuclear
c. A/	, vend	or or of	ther nucle	ear experienc	e	
Nu	lear-D	ata mul	ti-channe	l analyzer cl	ass	
Other resour		perience	e that mig	tht be helpfu	l for nuclea	ar plant emergency
a. No	-nucle	ar util:	ity experi	ence (years	and type of	work)
6	nonths	- High	Bridge & 1	King Plant as	an Instrume	ent & Control Speciali
b. Ot	GE-MA	C Class Force Ele School	ectronics s Electron	nic and Math	Courses	
		ellaneou				
2. 3. 4.	Misce		s held - l	None		
2. 3. 4.	Misce				Active	Expired
2. 3. 4. NRC op	Misce erator		RO	SRO		Expired

	NSP Department or P		
3.		Quality Engineer	
30	Education a. Degrees B.S.M		Mechanical Engineering
5.	Westinghouse PW NSP Introduction GE-BWR Simulaton GE-BWR Fundament GE-BWR Simulaton	ox Nuclear Engineering S R Systems & Operations on to Environmental Protor Requalification Cours tals Course (6 days) or Requalification Cours	Course (4 weeks) section (6 days) se (3 days)
	a. Nuclear Navy or	related military nucle	ar experience
	b. Utility nuclear	experience BWR 9 y	rears PWR
	1965 - 1970, F	SP Corporate Nuclear Pla Pathfinder Atomic Plant (1979), Monticello Nucl	ent Coordinations Results Engineer Lear Plant Quality Engineer
	c. A/E, vendor or	other nuclear experienc	e
6.	Other work experien resource	ce that might be helpfu	l for nuclear plant emergency
	a. Non-nuclear uti	lity experience (years	and type of work)
	1964-1965, NSP	Fossil Plant (Blackdog)	Results Group
	b. Other		
7.	NRC operator licens	es held	
	a. BWR:	ROSRO_X	Active X Expired
	b. PWR:	ROSRO	Active Expired
	c. Critical facili or Test Reactor		Active Expired
		Pathfinder Atomic Plan	AMERICAN MARKET

1.	NSP Department or Plant Monticello Nuclear Plant
2.	Name Bernard Schmitt
3.	Title Radiation Protection Specialist
4.	Education
	a. Degrees Major
	U.S. Navy Nuclear Power School , Mare Island, Calif. U.S. Navy Nuclear Power Prototype, Idaho Falls, Idaho NSP Radiation Prot. Training Program
5.	Nuclear Work Experience (list number of years & type of work in each category)
	Navy Nuclear - submarines 1966-1971 Operator, Mechanical EWS Qual. Shift Refueling Engineer 1975-1976 Shift Supervisor for Control of Refueling Operations SBG Plant
	b. Utility nuclear experience BWR 6 yrs. PWR 1971-1974 Monticello 1976-present Monticello
	c. A/E, vendor or other nuclear ex_erience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
7.	NRC operator licenses held
	a. BWR: RO SRO Active Expired
	b. PWR: ROSROActiveExpired
	c. Critical Facility
	or Test Reactor: RO SRO Active Expired 2.2-37

1	· NS	P Department or Plant Monticello Nuclear Generating Plant
2	• Na	me Francis J. Schober
3	. Ti	Shift Supervisor
4	. Ed	Degrees None Major
	b.	Other Nuclear Education NSP Nuclear Theory Course (3 months) GE-BWR Technology Course (1 month) GE-BWR Simulator Training (3 months) GE-Requalification Training (Simulator) (3 days) General Physics Requalification Training Simulator (3 days)
5		clear Work Experience (list number of years & type of work in each tegory)
	a.	Nuclear Navy or related military nuclear experience
		None
	ь	Utility nuclear experience BWR 17 yrs.PWR
		August 1961-1966, Plant Equp. Operator at Pathfinder 1966-1968, Senior Plant Equipment Operator at Pathfinder 1968-Present, Shift Supervisor at Monticello Nuclear Generating Plant
	с.	A/E, vendor or other nuclear experience
	0.	her work experience that might be helpful for nuclear plant emergency
0		source
	a.	Non-nuclear utility experience (years and type of work)
		1949 - 1961, Operations group at NSP Fossil Plant
	b.	Other
7	• NB	C operator licenses held
	a.	BWR: RO SRO X Active X Expired
	b.	PWR: RO SRO Active Expired
	с.	Critical Facility or Test Reactor: RO SRO Active Expired
		SRO Licensed at Pathfinder Atomic Plant 2.2-38

Name	e Ernie Seedor:	ff			
Tit	leInstrument &	Control	Specialis		
	Degrees None		Majo	r	
b.	Other Nuclear Educi		ining Pro	ogram	
	lear Work Experience	e (list n	umber of	years & type o	f work in each
	egory) Nuclear Navy or re	lated mil	trary nuc	lear experienc	
	None		,		
ъ.	Utility nuclear ex	perience	BWR S	years PWR	
	9 years Instrument Generating Plant.	& Contro	l Special	ist at the Mon	ticello Nuclear
c.	A/E, vendor or other	er nuclea	r experie	nce	
	None				
	er work experience ource	that migh	t be help	tul for nuclea	r plant emergency
a.	Non-nuclear utility	experie	nce (year	s and type of	work)
	None				
b.	8 years - Honeywel 3 years - U.S. Arm	l Aerospa y Missile	ce Divisi Artiller	on, Elect. Tec y, Nuclear War	h. head Installation Exper
NRC	operator licenses	neld - N	lone		
a.	BWR:	RO	SRO	Active	Expired
b.	PWR:	RO	SRO	Active	Expired
с.	Critical Facility or Test Reactor:	RO	SRO_	Active	Expired
			-	2 2 29	

1.	NSP	Departme	ent or Plant	Monti	cello Nucle	ear Generating	Plant
2.	Name		Harold Seib	el	-		
3.	Titl	е	Shift Super	visor			
4.		ation Degrees	None		Major _		
					-		
5.	Nucl	NSP Read Allis Cl CP-5 Fac GE-BWR GE-BWR GE-BWR	Technology C Simulator Tr Simulator Re	Course (3 endale Lab ling in Rx Course (1 raining (3 equal (3 d	oratories ( Operations month) months) ays) GE	s (3 months)	Requal (3 days)
		egory)					
	a •	Nuclear	Navy or rel	ated mili	tary nuclea	ir experience	
	b.	Utility	nuclear exp	erience	BWR 18 )	TS. PWR	
		1960-19	68. Senior I	lant Equi	pment Opera	ator at Pathfi Nuclear Gene	nder Plant rating Plant
	C+	A/E, ve	ndor or othe	r nuclear	experience		
6.		er work	experience t	hat might	be helpful	l for nuclear	plant emergency
	a.	Non-nuc	lear utility	experien	ce (years	and type of wo	rk)
		1949-19	60, Operatio	ons Group	at NSP Fos	sil Plant	
	b.	Other					
7.	NRC	operato	r licenses h	neld			
	a •	BWR:		RO	SRO_X	Active_X	Expired
	b.	PWR:		RO	SRO	Active	Expired
	с.		l Facility Reactor:	RO	SRO	Active	Expired
		SRO Lic	ensed at Par	thfinder		.2-40	

T	
	itleShift Supervisor
E	ducation
a	Degrees None Major
b	NSP Nuclear Education NSP Nuclear Theory Course (3 months) GE-BWR Simulator Requal (3 days)
	Allis Chalmers Greendale Laboratories (3 months)
	CP-5 Facility Training in Rx Operations (3 months)
	GE-BWR Technology Course (1 month) GE-Simulator Training (3 months)
	GE-BWR Simulator Requal (3 days)
	uclear Work Experience (list number of years & type of work in each
C	ategory)
a	· Nuclear Navy or related military nuclear experience
	None
b	• Utility nuclear experience BWR18 yrs. PWR
	1960-1968, Senior Plant Equipment Operator at Pathfinder
	1968 - Present Shift Supervisor at Monticello
С	. A/E, vendor or other nuclear experience
01	ther work experience that might be helpful for nuclear plant emergency
	esource
a	Non-nuclear utility experience (years and type of work)
-	
	1040 1040 0 C 10D F 11 D1
	1948 - 1960, Operations Group at NSP Fossil Plant
	1948 - 1960, Operations Group at NSP Fossil Plant
b	Other
b	
b	
b	
NF	Other
	Other
NF	Other  RC operator licenses held  BWR: ROSRO_X_Active_X_Expired
NF a.	Other  RC operator licenses held  BWR: ROSROX ActiveX Expired  PWR: ROSRO Active Expired

1.	NSP Department or Plant Monticello Nuclear Plant
2.	Name Wayne A. Shamla
3.	Title Supt. of Technical Engineering
	Education
4.	a. Degrees B.S.M.E. Major Mechanical Engineering
	5. Other Nuclear Education
	GE BWR Technology Course (4 wks.)
	GE NEBS 12 wk. Instrumentation Course GE Station Nuclear Engineering Course (3 wks.)
	GE BWR Simulator Requal Training (3 days) General Physics BWR Requal Training (3 days)
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR 13 yrs. PWR
	March 1966 - March 1968 assigned to Pathfinder Plant results group March 1968 - 1974 assigned to Monticello as Engineer Instruments 1974 - present Promoted to Supt. of Tech. Engineering
	2. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)  NSP work study program while attending college (2 yrs.)  1965 & 1965
	그는 사람들이 되었다. 이 사람이 없는 아니라는 사람들이 살아보다 살아 되었다.
	b. Other
7.	NRC operator licenses held
	a. BWR: ROSRO_X Active_X Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility
	or Test Reactor: RO SRO Active Expired

1.	NSI	P Department or Pl	ant Mo	mticello Nu	clear Plant	
2.	Nan	Warren Shinnin	k	7-41		
3.	Tit	le Radiation Prot	tection Spe	c.		
4.		ication				
	а.	Degrees		Major		
	b.	Other Nuclear Ed Navy Nuclear I NSP Radiation	Power Schoo	ol n Training F	Program	
5.		lear Work Experie	nce (list r	number of ye	ars & type of	work in each
	a٠	Nuclear Navy or 4 yrs. Nuclean			ar experience	
	b.	Utility nuclear of years at Mor		BWR 5 y	rs. PWR	
	c •	A/E, vendor or ot	iner nuclea	r experienc	e	
6.		er work experience ource	that migh	t be helpfu	l for nuclear	plant emergency
	a •	Non-nuclear	ty experie	nce (years	and type of wo	rk)
	b.	Other				
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expireo
		PWR:	RO	SRO	Active	Expired
	c.	Critical Facility or Test Reactor:		SRO	Active	Expired
				2.2		

1	· NS	Department or Plant Monticello Nuclear Plant
2	. Na	Steve Shurts
3	. Ti	le Assi tant Production Engineer
4		Degrees B.S. Major Nuclear Engr.
	h.	Other Nuclear Education
		other Nuclear Education
5		lear Work Experience (list number of years & type of work in each egory)
	а.	Nuclear Navy or related military nuclear experience None
	b.	Utility nuclear experience BWR 2 1/2 yrgWR 2 1/2 yrs. Systems Operations Engineering at Monticello
	C *	A/E, vendor or other nuclear experience None
6		er work experience that might be helpful for nuclear plant emergency ource
	a.	Non-nuclear utility experience (years and type of work) None
	b.	Other
7.	NRC	operator licenses held None
	a.	BWR: ROSROActiveExpired
		PWR: ROSROActiveExpired
	c.	Critical Facility or Test Reactor: ROSROActiveExpired
		2.2-44 763

1.	NSP Department	t or Plant Mon	ticello Nuc	lear Plant		
2.	Name Terry Sil	verberg				
3.	Title Assista	nt Prod. Engr.				
1.	Education a. Degrees	B.S.	Major	Electrical 1	Ingineering	
		lear Education sclear Program				
5.	Nuclear Work (	Experience (list n	number of ye	ears & type of	work in each	
	5 years	avy or related mil Nuclear Navy on a sub.	itary nucle	ar experience		
				*		
	b. Utility no	uclear experience	BWR 2 y	TS. PWR	_	
	1977-19	78 Systems Engine	er at Monti	cello		
	c. A/E. vendo	or or other nuclea	r experienc	e		
6.	Other work expressource	perience that migh	it be helpfu	l for nuclear	plant emergency	
	a. Non-nuclea None	ar utility experie	ence (years	and type of w	ork)	
	b. Other					
7.	NRC operator	licenses held Nor	ne.			
				1	F	
	a. BWR:	9 900			Expired	
	<ul><li>b. PWR:</li><li>c. Critical  </li></ul>	RO	SRO	Active	Expired	
	or Test Re	eactor: RO	SRO	Active	Expired	
			2	2-45	7 / 7	284

Title	Instrument	& Control	Speciali	st	
Educatio					
a. Degr	ees		Majo	r	
b. Othe	r Nuclear Educ	ation			
	NSP I&CS Progr	ession Tr	aining Pro	ogram	
					t
Nuclear category		e (list n	umber of	years & type o	r work in each
a. Nucl	ear Navy or re	lated mil	itary nuc	lear experience	e
				*	
b. Util	ity nuclear ex	perience	BWR 9	years PWR	_
Inst	rument & Conti	rol Specia	list at M	onticello	
c. A/E,	vendor or oth	er nuclea	r experie	nce	
Other wo	rk evnerience	that migh	t he helm	ful for nuclea	r plant emergency
Other wo	rk experience	that migh	t be help	ful for nuclea	r plant emergency
resource				ful for nuclea	
resource a. Non-		y experie			
resource a. Non-	nuclear utilit	y experie			
a. Non- Foss	nuclear utilit il Fuel 1 1/2	y experie			
resource  a. Non- Foss  b. Othe	nuclear utilit il Fuel 1 1/2	y experie			
resource  a. Non- Foss  b. Othe  4 ye	nuclear utilit il Fuel 1 1/2	y experie years			
resource  a. Non- Foss  b. Othe  4 ye	nuclear utilit il Fuel 1 1/2	y experie years			
a. Non-Foss b. Othe	nuclear utilit il Fuel 1 1/2	y experie years			
a. Non-Foss b. Othe	nuclear utilitilities of the second s	y experie years mician	nce (year	s and type of	
a. Non-Foss b. Othe 4 ye Comm	nuclear utilitilities of the second s	y experie years mician	nce (year	and type of the Active	work)
a. Non-Foss b. Othe 4 ye Comm  NRC opera a. BWR: b. PWR:	nuclear utilitilities of the second s	y experie years  mician  held  RO	SROSRO	Active	work)

1.	NSP Department or P	lant	Monticello	Nuclear Plant	
2.	Name Earl Smith				
3.	Title Instr. & Cont	rel Spec.			
4.	Education a. Degrees AA U.	of MN.	Majo	r none	
	b. Other Nuclear E NSP I&CS Pro	ducation gression T	raining Pro	ogram	
5.	Nuclear Work Experience (ategory) 78 mos	ence (list	number of Control Spe	years & type of ec. at Monticel	work in each
	a. Nuclear Navy or None	related mi	llitary nuc	lear experience	
	b. Utility nuclear Monticello Pl			yrs. PWR	
	None	ther nucle	ar experie	nce	
6.	Other work experience resource	e that mig	ht be help	ful for nuclear	plant emergency
	a. Non-nuclear util 24 mos. Oper 32 mos. Inst	ator at Riv	verside Ste	am Plant Mpls	ork)
	b. Other				
7.	NRC operator license	s held Nor	ne		
	a. BWR:	RO	SRO	Active	Expired
	b. PWR:	RO	SRO	Active	Expired
	c. Critical Facilit or Test Reactor:	RO	SRO		Expired
			2.2	-47	

2.					
	Name Gary Smith				
3.	Title Asst. Prod. En	gr.			
4.	Education a. Degrees BS	Majo	er Elec. Engr.		
	b. Other Nuclear Educ	ation			
5.	Nuclear Work Experienc category)	e (list number of	years & type of	f work in each	
	a. Nuclear Navy or re	lated military nuc	lear experience		
	b. Utility nuclear ex 3 1/2 yrs. eng		1/2 yr#WR	-	
	c. A/E, vendor or oth	er nuclear experie	nce		
					*
6.	Other work experience resource	that might be help	ful for nuclear	plant emergency	
6.					
6.	resource				
5.	resource				
6.	resource  a. Non-nuclear utility				
6.	resource  a. Non-nuclear utility				
	resource  a. Non-nuclear utility	y experience (year			
	resource  a. Non-nuclear utility  b. Other	y experience (year	s and type of w		
6.	a. Non-nuclear utility b. Other  NRC operator licenses h	y experience (year	s and type of w	ork)	

1.	NSP Department or Plant Monticello Nuclear Plant
2.	Name Henry Theobalt
3.	Title Sr. Computer Engr.
4.	Education a. Degrees NiplIng. (Berlin) Major Maschinen Ball. (Mech.)
	Courses in Nuclear Physics Univ. of Minn. Courses in Reactor Technology GE San Jose Course: "Station Nuclear F. gineer"
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience N/A
	b. Utility nuclear experience BWR_11 yrs. PWk Since construction and startup of Monticello Nuclear Plant (1968-1979) 11 years as Computer Engineer
	c. A/E, vendor or other nuclear experience N/A
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)  5 years T.Ü.V. (Germany, Essen) Test Engineer for warranty tests of boilers, turbines, generators, cooling towers, coal-plants and power plants.  13 years Results-work in coal plant (N.S.P.)
	5 years in army maintenance and construction
7.	NRC operator licenses held N/A
	a. PUR: ROSRO Active Expired
	b. FR RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.2-49

	Dear	n Tilly			
Title	Assi	istant Produc	tion Engineer	r	
Educa a. I	tion Degrees GS	SEE	Major	Electrical	Engr. Power Opt.
b (	ther Nuclea	ar Education			
ţ	J.S. Navy Nu	uclear Power	Program		
Nucle		perience (lis	t number of y	years & type o	f work in each
a. t	luclear Navy	y or related	military nucl	lear experience	е
		Electrical Op al Nuclear Na	perator on Nav	vy Sul marine	
b. l	tility nucl	lear experien	ice BWR 2	years PWR	_
2	years in (	Operations Er	ngineering Gro	oup at Montice	110
c. /	/E, vendor	or other nuc	lear experien	nce	
0.1			d-b- b- b-1-d		1
resou		rience that m	iight be helpi	tul for nuclea	r plant emergency
a. N	lon-nuclear	utility expe	rience (years	and type of	work)
	-				
b. 0	ther				
	perator lic	censes held			
NRC o			SRO	Active	Expired
	WR:	RO		_	
a. F	WR: WR: ritical Fac	RO	SRO	Active	Expired

Name _ Pat Tobin					
Title Asst. Producti	on Enginee	r			
Education a. Degrees BSME		Major	Mechanical E	ngineer	
b. Other Nuclear Edu	cation				
Nuclear Work Experiencategory)	ce (list n	number of ye	ears & type of	work in each	
a. Nuclear Navy or r	elated mil	itary nucle	ear experience		
			2		
b. Utility nuclear e 2 1/2 yrs., Op	xperience erations E	BWR 2 1	/2 yrswr at Monticello	-	
c. A/E, vendor or or	her nuclea	r experienc	e		
Other work experience	tha: mich	t he heinfu	l for nuclear	nlant emergency	
orner work experience	cite t might	t be neipro	i ioi moricar	plane emergency	
resource				ork)	
	ty experie	nce (years	and type of w	ork)	
resource	ty experie	nce (years	and type of w	012)	
resource	ty experie	nce (years	and type of w		
resource  a. Non-nuclear utili	ty experie	nce (years	and type of w		
resource  a. Non-nuclear utili		nce (years	and type of w		
resource  a. Non-nuclear utili  b. Other		SRO	Active	Expired	
resource  a. Non-nuclear utili  b. Other  NRC operator licenses	held RO				

1.	NSP	Department or Plan	t Mo	nticello Ni	clear Generati	ng Plant	
2.	Nam	e Russell E. Van	Dell			***	
3.		le Ass't. Computer		er			
		cation				,	4.
4 .		Degrees BSEE		Majo	r <u>Electrical</u>	Engineering	
			. 5	1775-128			
	b.	Other Nuclear Educ	ation				
		GE BWR Station Nuc Honeywell 4020 Com GE Fundamentals in GE BWR Simulator R	puter P	rogrammer (	Course (PAL)		
5 .	Nuc	lear Work Experienc	e (list	number of	years & type o	f work in each	
	cat	egory)				× .	
	a.	Nuclear Navy or re	lated m	ilitary nuc	lear experienc	e	
		Internative and selections				* * * * * * * * * * * * * * * * * * * *	
		None					
					* **		
	h.	Utility nuclear ex	nerienc	e RWR	4 yrs PWR		
	0.	4 years - Computer	Area	ning Outage			
	C +	A/E, vendor or oth	er nucl	ear experts	ence		
		None	er nacr	car capetit			
		er work experience	that mi	ght be help	ful for nuclea	r plant emergency	
	res	ource					
	a.	Non-nuclear utilit	y exper	ience (year	s and type of	work)	*1
					3.4	V <sup>4</sup> ,	
	b.	Other		300			
	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO	Active	Expired	
	0.		10	_ 380	NCC 1 A E	Dybrien	
	c.	Critical Facility					
	c.	Critical Facility or Test Reactor:	RO	SRO	Active	_ Expired	2

1.	NSP Department or Plant Monticello Nuclear Generating Plant
2.	Name Lon H. Waldinger
3.	Title Ast. Quality Engineer
4.	Education a. Degrees B.S. Major Nuclear Engineering
	NSP Basic Reactor Theory Course (3 months) General Physics BWR Fundamentals Nuclear P wer School (USN) Course (7 days) SIC Nuclear Submarine Prototype (USN) Basic Electricity and Electronics "P" Schol Electrician's Nate "A" Scol Enlisted Basic Course S/M Scol (Hydraulics & Fluid Systems) Nuclear Work Experience (list number of years & type of work in each
3,	a. Nuclear Navy or related military nuclear experience SIC Nuclear Sub. Prototype (Qualified Electrician Cperator-6 months) USS Nauticus, S2W Type RX (Qualified S/D Manuvering Area Operator) USS Thomas A. Edison, S5W Type RX (Qualified S/D Manuvering Area Operator-5 mos
	<ul> <li>Utility nuclear experience BWR 1 year PWR 1 year</li> <li>Connecticut-Yankee Atomic Power Company, Haddemneck, Connecticut (Qualified Auxiliary Operator)         Monticello Nuclear Generating Plant, January 1978 to present (Asst. Quality Engineer)</li> <li>A/E, vendor or other nuclear experience</li> </ul>
6.	Other work experience that might be helpful for nuclear plant emergency
	<ul> <li>Non-nuclear utility experience (years and type of work)</li> <li>Worked part time in Health Physics AT University of Wisconsin, Madison.</li> <li>Work consisted of surveys, evaluation of radiation protection techniques,</li> <li>NSEO, compliance with 10CFR2O, recommendations to University Radiation</li> <li>Safety Committee.</li> <li>Other</li> </ul>
7.	NRC operator licenses held
	a. BWR: RO SRO Active Expired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

2-2-53

NSP Department or Plant Monticello Nuclear Plant	
Name Dan Wegener	
Title Asst. Nuclear Engineer	
Education a. Degrees BSNE Major Nuclear Engineering Nuclear Engineering	
other Nuclear Education GE Station Nuclear Engineer Course Fundamentals of BWR Operation Course (6 days)	
Nuclear Work Experience (list number of years & type of work in each category)	
a. Nuclear Navy or related military nuclear experience	
b. Utility nuclear experience BWR3 1/2 yrs PWR 2 yrs. 2 years Nuclear Core Analysis for PWR 3 1/2 years Station nuclear engineer for BWR	
c. A/E, vendor or other nuclear experience	
Other work experience that might be helpful for nuclear plant emergency resource	
a. Non-nuclear utility experience (years and type of work)	
b. Other	
NRC operator licenses held None	
a. BWR: ROSROActiveExpired	
b. PWR: ROSRO Active Expired	
c. Critical Facility	
or Test Reactor: ROSROActiveExpired	
2.2-54	

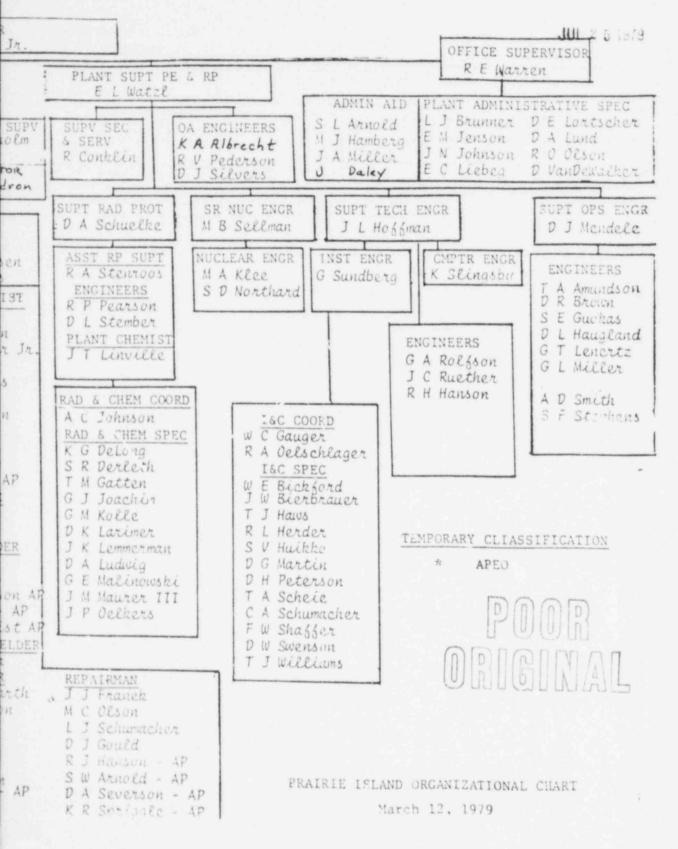
1.	NS	P Department or Pla	nt Mont	icello Nuc	lear Plant		
2.	Nat	ne _John Windschill					
3.	Ti	le Health Physicis	t				
4.		Degrees B.A.	-	Majo	Natural S	cience	
	b.	Other Nuclear Edu U. of Mineesota M.S. degree per	Graduat			Physics	
5.	Nuc	lear Work Experience	ce (list	number of	years & type	of work in each	
	a.	Nuclear Navy or re	elated mi	litary nuc	lear experien	ce	
	b.	Utility nuclear ex 1977-1979 Heal	operience	BWR_2	vrs. PWR_nticello Nucle	ear Plant	
	C.	A/E, vendor or oth 3M Company - Gr					
		er work experience ource	that migh	ht be help	ful for nuclea	r plant emergency	
	a.	Non-nuclear utilit	y experi	ence (year	s and type of	work)	
	b.	Other					
	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Activo	Fundand	
		PWR:	-			Expired	
		Critical Facility	RO	SRO	_ Active	Expired	
		or Test Reaccor:	RO	SRO	Active_	Expired	
				۷.	2-33		

2 *	Name	at Yurczyk					
3.		ie Rad. Prot. Coor	d.				
4.		cation					
		Degrees		Majo	r		
	b.	Other Nuclear Educ	ation				
		NSP Rad. Prot.	Trainin	ng Program			
					*		
5.		lear Work Experiencegory)	e (list	number of	years & type	of work in each	
	a.	Nuclear Navy or re	lated m	ilitary nuc	lear experienc	ie .	
	b.	Utility nuclear ex 10 years at Mon			O Yrs. PWR	-	
		A server that the					
	с.	A/E, vendor or oth	er nucl	ear experie	nce		
6.	Othe	er work experience	that mi	ght be help	ful for nuclea	r plant emergency	
		ource					
	a.	Non-nuclear utilit	y exper	ience (year	s and type of	work)	
	b •	Other					
7.	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Acti.	Expired	
	b.	PWR:	RO	SRO	Active	Expired	
	C .	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	

- 2.3 Prairie Island Nuclear Plant
  - 2.3.1 Organization Diagram
  - 2.3.2 Personnel Resume's

PLANT MANAGE F. P. Tierneu, PLANT SUPT O & M B Brokaw ENGINEER SUP PLAT SERV SR SCHED ENGR TRAINING LE FAIL A A Hunstad S A Fehn DD Rithaus INSTRUC SUPT MAINTENANCE J H Nelson SUPT OPERATIONS WR Wal R L Lindseu CHIEF ELEC MICE SUPVS SHIFT SUPERVISORS A Lucking G L Edon R S Holthe P A Valtakis J C Luons R G Mrozek M G Munchau M J Balk R J Flack J L Heath D V Walker D W Craque P C Ruan R J Held Phillip LEAD MACHIN STATION ELEC LEAD PLANT EQUIPMENT N L Enals A Juenemann V R Guertin R L Walther J H Bichel D C Buerman E E Dietz B A Ellison Hw Pemble J L Schilling D K Zimmerman W D Foerste G A Pletcher T C Goetsch G F Hamberg L A Rapp MACHINIST R C Berghammer D F Wagermann E Kirchner H Phillip W L Allar A Tapanila-AP D L Anderso PLANI EQUIPMENT & REACTOR OPERATORS J E Lee M E Schmidt J P Reuter J W Lommel LD NUC PLT HLPR A W Childs D B Johnson M D Werner T S Mullaney P M Winberg R N Meyer R L Thorkelson TA Seeley E W Kruse -D W Childs M D Wadley R E Schmid WELDER SPEC NUC PLT HLPRS H L Kremer ASSISTANT PLANT EQUIPMENT OPERATORS STMFTR WELL K B Kehn B L Carlson TH Burgen R D Pearson I M Kelly W M Mather L Hanson W J Irvin RJ Doyle R A Sutherland W C Bell R A Safe J E Huebne K A Harvey J P Samuel D J Westphal K M Dodge L G Doerr W R Boutte R A Lundqu K M Adjail L E Wolford \* L E Mann S N Chuzick REPAIRMAN J Wind ou the W A Osmak W H Andrews R J Kieffe D J Halverson T P Barri W R Engler \* R W Osgood P E Klops LEAD RIGGE S A Roge 1 D L Herling \* D R Nelson D S Brown R W Scheth W D Eppen J R Anderson G W Damman JE Furlong E A Bengti J Hansen R A Carlson RIGGER D.W Gehlhar J R Gosman D L Olson P A Flunn R D Teást A P Dreyling II K Larson B Ness B M Anderson H T Johnso D W Monty L L Henry J N Grizzle : 2.3-2

POOR ORIGINAL



	NCD	Department or Plan	Pai	-i= T-	land N.	lear Plant	
					ANO MUC	ed / canc	
2.		E KENNETH 4					
3.	Tit	le SENIOR Que	elity E	NGINEER			
4.		Degrees BSEE		Major	ELECTRICAL	ELECTAMICS EN	GINEEPIN
		Other Nuclear Educ	100 /00	wing		1. 010 d 6	latha
		2. Operator train	wing at	INDIAN	POINT NUC	PAR PUNC SIN	VIII CX
5.		lear Work Experience	e (list nu	mber of year	ars & type of	work in each	
	a •	Nuclear Navy or re	lated mili	tary nuclea	ar experience	NONE	
	b.	Utility nuclear ex	perience	BWR	PWR 6%	<b>%</b> .	
		SEE attached	/				
	C *	A/E, vendor or oth	er nuclear	experience	NONE		
6.		er work experience	that might	be helpfu	l for nuclear	plant emergency	
	a.	Non-nuclear utilit	y experien	ice (year-	and type of w	ork) www	
	b.	Other NONE					
7.	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO_X	Active	Expired_X_	
	c .	Critical Facility or Test Reactor:	PO	CDO			
		or rest Reactor:	RO	SRO	Active	Expired	797
				A m			

June-Dec, 1973: Hired by Northern States Power Company and assigned to Prairie Island Nuclear Generating Plant as an Operations Systems Engineer. Responsible for writing and reviewing electrical operating procedures, start-up procedures, and the electrical systems checklists for Unit 1 operation.

Jan-Dec, 1974: Assigned the following activities in preparation for startup of Prairie Island Nuclear Unit 2: a) NSP's operations reviewer and co-startup leadman with Westinghouse for the following Pre-op tests: safety injection with and w/o blackout, reactor trip breakers, plant and cooling tower 480 volt system, instrument and computer AC distr. system.

Jan-Aug, 1975: Assigned the responsibility for operation, maintenance, and technical evaluation for the following systems at P.I.: (1) electrical: 345 KV 125 VDC - both units; (2) Safety Injection - Unit 2; (3) diesel generators - backup; (4) Instrument air - Unit 1; (5) Aux. feedwater - Unit 1; (6) Heating system - both units.

Aug-March, 1975- Assigned to the Plant Engineer's Technical group at Prairie Island.

1976: Responsible for establishing electrical preventive maintenance procedure and implementing administrative controls for the electrical pm program.

March-May, 1976: In plant supervision (technical) of the station electricians, relay and breaker crews governing electrical pm activities for P.I. Unit 1's first refueling outage.

May-Sept, 1976: Completed intensive training in the operation of the Prairie Island Nuclear Plant. Completed seven days of "hands on" operator training at the Indian Point Nuclear Plant Simulator. Passed written and oral exams given by the Nuclear Regulatory Commission. Received Senior Reactor Operators License in October, 1976.

Jan-March, 19771978: Responsible for the technical supportive operation, maintenance, and
evaluation of the following systems at P.I.: (1) Nuclear instrumentation - Unit 1; (2) Reactor Protection actuation - both units; (3)
Safety Injection actuation - both units; (4) electrical pm program both units.

March-March, Supervised, scheduled and co-ordinated the electrical pm program for five refueling outages at P.I. Units 1 and 2.

May; 1978 - : Assigned to the Tyrone Energy Park Task Force for NSP. Responsible for the preparation and review of generic operating procedures for the Standardized Nuclear Unit Power Plant Systems. Joint effort of five electrical utilities.

JUNE, 1979 Accepted position of Source Quality Engineer for Prairie Island Nuclear Plant.

	Daniel Town North Con D
1.	NSP Department or Plant PRAIRIE ISLAND NUCLEAR GEN. PLAN
2.	Name DAYLE D. ALTHAUS
3.	Title PLANT SERVICES SUPERVISOR
4.	Education a. Degrees Major
	선택하다 전 <del>경기 기업 기업</del>
	b. Other Nuclear Education
	SEE ATTACHMENT
	선택하게 함께 하다 하다 하는 그 생님은 그 이러를 모르고 되는 것이다. 그렇다
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience NONE
	b. Utility nuclear experience BWR PWR X
	10 YEARS AS SHIFT SUPERVISOR
	c. A/E, vendor or other nuclear experience
	NONE
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	16 YEARS AS ELECTRICAL OPERATOR AND
	STEAM PLANT OPERATOR
	b. Other
7.	NRC operator licenses held
	a. BWR: ROSRO Active Expired
	b. PWR: ROSRO_X ActiveExpired_X
	c. Critical Facility or Test Reactor: RO X SRO Active Expired X
	2.3-5
	4.7")

## D. D. Althaus

Shift Supervisor

Served with the U.S. Navy during the Korean War.

Started with Northern States Power Company at the Main Street Hydroelectric Plant. Held various operating positions at the following plants: Riverside Steam Plant, Nicollet Substation, Lower Dam Hydroelectric Plant, Hennepin Island Hydroelectric Plant, Black Dog Steam Plant. Obtained a Grade A Chief Engineer's License in the State of Minnesota.

Assigned to the 600 MW A.S. King Steam Plant as a Lead Plant Equipment Operator (Control Room) for startup.

Assigned to the Prairie Island staff as a Shift Supervisor.

Began a math and physics review course in preparation for the Westinghouse Reactor Operator Training Program.

Began the 9 month Westinghouse Reactor Operator Training Program. The program included 2 1/2 months at Waltz Mill, Pennsylvania, covering reactor control theory and operation of the CES Training Reactor, and 6 months of PWR power reactor operating experience at Saxton after which an AEC Reactor Operator License on the Saxton reactor was obtained.

Completed Phase III (8 weeks) of the NSP Basic Nuclear Course.

Began a 6 week Westinghouse Design Lecture Series at Pittsburgh, Pennsylvania. This was a series of lectures by the designers of the Prairie Island Nuclear Steam Supply Systems.

Began working at the Prairie Island site along with the rest of the plant Operating Department. Principal activities from this time to present have been:

- (a) Supervising a group of operators in the preparation of plant operating procedures.
- (b) Giving system walk-through checkouts in the areas of his expertise to other license candidates.
- (c) Supervising plant operators in the conduct of preoperational testing.

763 300

June 1953

November 1967

July 1969

July 1969

September 1969

September 1970

September 1970

December 1970

r.	NSP Department or Plant TRAIRIE TSLAND
2.	Name THEODORE E AMUNDON
3.	TIELE ASSISTANT PRODUCTION ENGINEER
4.	Education  a. Degrees 35  MECHANICAL ENGINEERING  MECHANICAL ENGINEERING
	b. Other Nuclear Education 14 GRADUATE CREDITS OF UARIOUS COURSES IN RADIATION PROTECTION PRINCIPLES FROM WINDHA STATE UNIVERSITY
5.	Nuclear Work Experience (list number of years & type of work in each
	category)
	a. Nuclear Navy or related military nuclear experience
	HONE
	b. Utility nuclear experience BWR PWR /  3 YEARS AT PRAIRIE ISLAND
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other NONE
7.	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.3-8

2.	Name	MAY J. BAL	K			
3.	Titl	e SHIFT SUP	ERVISOR	,		
4.		ation Degrees		Major		
			-			
		-	-			*
		Other Nuclear Educ	cation		PATHELANIE &	
		3 MONTHS COURSE	BY PLA	WI E TP INEE !	es - MATH+ PHIS	2.5
		21 MONTHS COURSE	BY WEST	LINCHOUSE		*
		2 MONTHS BASILV	UCLEAR CO.	VRSE BY NSI		
					, e +	
5.	Nuc1	ear Work Experience	ce (list n	umber of ye	ars & type of	work in each
		egory)				
	a.	Nuclear Navy or re	elated mil	itary nucle	ar experience	
		nacical navy or a				
		Utility nuclear e	rnarianca	DLJD /	DLTD /	
						6 YEARS - REACTOR OPERATOR
		NERTHERY STAT	ES POWER	e co. p	RAIRIG ISLAND	- SHIFT SUPERVISOR - 10 YEARS
		SAKTON WESTING	HOUSE	s	ATTON + WALT	2 MILLS - 9 MONTHS - REACTOR OFFRATOR
	C .	A/E, vendor or oth	her nuclea	r experienc	e	
6.	Othe	er work experience	that migh	t be helpfu	l for nuclear	plant emergency
		ource				1
	_	Non-nuclear utili	tu ovnorin	nee (veere	and type of wo	rk)
	a.	CINCUEDITE		NA INE	40	
		J. L. LAWRENCE	STEAMP	LANT - 11 4	EARS - PLAN	T ATTNO - SWITCH BOARD OFFRA
		USNAVY		446	ARS - ELECT -	SWITCH BORRO OPERATOR
	b.	Other				
					1011101	
				onne i	RIGINAL	
			1	UUII (	DISTRIBUTE.	
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expired ~
		num -				
		PWR: Critical Facility		SKU V	Active V	Expired
		ATTACANCE LUCITIES	RO V	SRO	Active	

2.3-9

1.	NSP Department or Plant P.J. N.G. P.
	Name William E. Bickford
	Title IrCS
	Education High Solool Graduate Major
5.	b. Other Nuclear Education  USN - Nuclear Power School (Baimbridge, Mid.)  Nuclear Prototype (Windson Locks, Ct.)  Various advanced schools on Specific equipments  and operations.  Engineering Watch Supervisor Seminary: Loctures on  Nuclear Work Experience (list number of years & type of work in each  category)
	a. Nuclear Navy or related military nuclear experience  USN - Engineering Watch Supervisor (2 t years)  operating Engine room Supervisor subordincte watch statoms (2)  Training Petty Officer (2475)  maintenance Machanical repair work, 99, spare parts  pm Surveillance to to (10. look took, vlo observe, op to to)  b. Utility nuclear experience BWR PWR 2475
	1/2 yrs Ife
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other USN - Damage Control School (lak)
	USH - SCUBA Dirers School (3t yes exp.)
7.	NRC operator licenses held
	a. BWR: RO SRO Active Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2 3-10 763 303

~	1.	NSP Depa	artment or Pla	ant	-ING+			
	. 2.		OHN W		BRAUE	-R		
	3.	Title _	TEC	SPEC.				
	4.	Education a. Degr			Major _			
		b. Oth	er Nuclear Edu	ucation	_			
		K	ED T	BADG	٤.			
	5.	Nuclear		nce (list n	umber of yea	ars & type of	work in each	
		a. Nuc	lear Navy or	related mil	itary nuclea	ar experience		
		b. Uti	lity nuclear	experience	BWR	PWR	_	
			PIN	GP I	FC fo	n Typo		
		c. A/E	, vendor or	thar nuclea	r experience			
	6.	resource		e that migh	t be helpful	l for nuclear	plant emergency	
		a. Non-	-nuclear util	ity experie	nce (years a	and type of w	ork)	
		b. Oth	er					
	7.	NRC ope	rator licenses	s held				
		a. BWR		RO	SRO	Active	Expired	
		b. PWR		RO	SRO	Active	Expired	
		c. Crit	cical Facility Test Reactor:	y RO	SRO	Active	Expired	
					2.3-11	1	7	63

	NSP Department or Plant Prairie Island Nuc. Gen. Plant.
1.	not before the same of the sam
2.	Name Varl B. Brokaw
3.	Title Plant Supt., Opera Maint.
4.	Education High school
	a. Degrees Major
	by Other Nuclear Education Allis Chalmers - Greendale Facility - 6 mo.
	Westinghouse Agactor Operator Training - 'year westinghouse Design Lectures
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	Pothfinder Noc. Plant 1960-1969 - BWR Prairie Island 1969-tresent
	ETR - Idaho - 6 no . + raine = (Path Finder Training)
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	Conventional power plant-operator - 13 years.
	b. Other
7.	NRC operator licenses held
	a. BWR: ROSRO Active Expired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.3-12 763 305

	Name Donald R. Brown
	Title Production Engineer
•	a. Degrees BME Major MECHANICHE ENEMEERING
	b. Other Nuclear Education
	17 WKS - Waltz - mill Training
	NSP SRO License Prairing Course
	INDIAN Point Simulator Het License training program
	w Dasign leature Savies
	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	None
	b. Utility nuclear experience BWR PWR X
	NSP - PINGP - ENGINEER - 10 yrs
	c. A/E, vendor or other nuclear experience
*	Other work experience that might be helpful for nuclear plant emergency resource
	Non-nuclear utility experience (years and type of work)  NSP - High Bridge GenPlant. 3yrs - Engineer
	ALCO STATE AND STEWART OF THE STATE OF THE S
	b. Other
	NRC operator licenses held
	NRC operator licenses held  a. BWR: ROSROActiveExpired
	NRC operator licenses held  a. BWR: ROSROActiveExpired

2.	. Name Roland K Conklin						
3.	Tit	le Supervisor of	Security	& Servi	ces		
4.	-	Cation Degrees		Major			
				-			
		-					
	b.	Other Nuclear Educ	ation				
		Navy Nuclear			mo 196		
		Navy Nuclear	Prototype	. 6	mo 196	01	
					, f		
5.		lear Work Experienc egory)	e (list numbe	er of yea	rs & type	of work in each	
	a.	Nuclear Navy or re	lated militar	y nuclea	r experie	ence	
		2 years Navy Pr	cototype Slo	C Plant	1961 to	1963	
		6 years S5W(Wes 2 years S3G(Gen	tinghouse	plant)	1963 to	1969	
		Z years 53G(Gen	eral blecc.	ric pra	110/ 15/	1 60 3/3	
	b.	Utility nuclear ex			PWR 2		
		4 years Radiati	on Protect	ich Spe	cialist		
	c •	A/E, vendor or oth	er nuclear ex	perience			
		3 months power	plant inst	ructor	1973 Ger	neral Physics Company	
6.	Oth	er work experience	that might be	helpful	for nucl	lear plant emergency	
		ource				The Secret les There	
	a.	Non-nuclear utilit	v experience	(vears a	nd type o	of work)	
	a +	Hon-Indezear dezize	, experience	() care	/		
	b.	Other 2 years w	ork in US	Navy -N	aval Rea	actors Division	
÷					1 Specia	al Projects and	
		screening	of person	nel			
7.	NRC	operator licenses	held				
	a.	BWR:	ROSF	RO	Active_	Expired	
	b.	PWR:	RO SE	RO	Active	Expired	
	-	Critical Facility					
		or Test Reactor:	RO SR	0	Active	Erpired 70	

PWR Training @ Westinghouse Training Center, for RO License at Saxton Penn,  Test Reactor. Prairie Island training for SRO License Five weeks PWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator six days  Nuclear Work Experience (list number of years & type of work in each category)  a. Nuclear Navy or related military nuclear experience  NONE  b. Utility nuclear experience BWR X PWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 Tats  PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler	1.	NSP Department or PlantPRAIRIE ISLAND NUCLEAR PLANT
4. Education a. Degrees High School ICS Power Plant Eng.  b. Other Nuclear Education BWR Training @ Westinghouse Training Center, for RO License at Saxton Fenn, Test Reactor. Prairie Island training for SRO License Five weeks PWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator aix days Nuclear Work Experience (list number of years & type of work in each category) a. Nuclear Navy or related military nuclear experience NONE  b. Utility nuclear experience BWR X PWR X BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 The PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years c. A/E, vendor or other nuclear experience NONE  6. Other work experience that might be helpful for nuclear plant emergency resource a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held a. BWR: RO X SRO X Active Expired C. Critical Facility or Test Reactor: RO X SRO Active Expired X	2.	Name Donald W. Cragoe
a. Degrees High School  1CS Powes Plant Eng.  b. Other Nuclear Education BWR Trairing @ Pathfinder Nuclear Plant, near Sioux Falls, S.D. for RO 65RO Licens BWR Trairing @ Westinghouse Training Center, for RO License at Saxton Penn;  Test Reactor. Prairie Island training for SRO License Five weeks PWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator aix days Simulator Training, Zion, Ill. one week. Sequayah Simulator aix days Nuclear Work Experience (list number of years 6 type of work in each category)  a. Nuclear Navy or related military nuclear experience  NONE  b. Utility nuclear experience BWR X FWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 The FWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held a. BWR: RO X SRO X Active Expired X  b. PWR: RO SRO X Active Expired X  c. Critical Facility or Test Reactor: RO X SRO Active Expired X	3.	Title Shift Superviser
b. Other Nuclear Education BWR Trai:ing @ Pathfinder Nuclear Plant, near Sioux Falls, S.D. for RO &SRO License PWR Training @ Westinghouse Training Center, for RO License et Saxton Penn,  Test Reactor. Prairie Island training for SRO License Five weeks PWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator six days Nuclear Work Experience (list number of years & type of work in each category)  a. Nuclear Navy or related military nuclear experience  NONE  b. Utility nuclear experience BWR X PWR X BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 Twise PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO SRO X Active Expired Critical Facility or Test Reactor: RO SRO Active Expired X	4.	Education a. Degrees High School
BWR Training @ Westinghouse Training Center, for Ro License at Saxton Penn,  Test Reactor. Prairie Island training for SRO License Five weeks PWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator six days Nuclear Work Experience (list number of years & type of work in each category)  a. Nuclear Navy or related military nuclear experience  NONE  b. Utility nuclear experience BWR X PWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8  FWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas 6 Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO SRO X Active Expired C. Critical Facility or Test Reactor: RO SRO Active Expired C. Critical Facility or Test Reactor: RO SRO Active Expired X		ICS Power Plent Eng.
Test Reactor. Prairie Island training for SRO License Five weeks PWR Design Lectures training. Simulator Training, Zion, 111. one week. Sequayah Simulator aix days  5. Nuclear Work Experience (list number of years & type of work in each category)  a. Nuclear Navy or related military nuclear experience  NONE  b. Utility nuclear experience BWR X PWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8  FWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO X SRO X Active Expired X  b. PWR: RO SRO X Active Expired X  c. Critical Facility or Test Reactor: RO X SRO Active Expired X		BWR Traiting @ Pathfinder Nuclear Plant, near Sloux Falls, S.D. for Ro aske breens
Five weeks FWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator six days Nuclear Work Experience (list number of years & type of work in each category)  a. Nuclear Navy or related military nuclear experience  NONE  b. Utility nuclear experience		PWR Training @ Westinghouse Training Center, for RO License at Saxton Penn;
b. Utility nuclear experience BWR X PWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 Tale  PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas 6 Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO X SRO X Active Expired Critical Facility or Test Reactor: RO X SRO Active Expired X	5.	Five weeks PWR Design Lectures training. Simulator Training, Zion, Ill. one week. Sequayah Simulator six days Nuclear Work Experience (list number of years & type of work in each
b. Utility nuclear experience BWR X PWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 Tars  PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO X SRO X Active Expired X  b. PWR: RO SRO X Active Expired X  c. Critical Facility or Test Reactor: RO X SRO Active Expired X		a. Nuclear Navy or related military nuclear experience
b. Utility nuclear experience BWR X PWR X  BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 Tars  PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO X SRO X Active Expired X  b. PWR: RO SRO X Active Expired Expired  c. Critical Facility or Test Reactor: RO X SRO Active Expired X		
BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 This PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience NONE  6. Other work experience that might be helpful for nuclear plant emergency resource a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held a. BWR: RO_X SRO_X Active_ Expired_X  b. PWR: RO_SRO_X Active_ Expired_X  c. Critical Facility or Test Reactor: RO_X SRO_Active_ Expired_X		NONE
BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator 8 This PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO_X SRO_X Active_ Expired_X  b. PWR: RO_SRO_X Active_ Expired_X  c. Critical Facility or Test Reactor: RO_X SRO_Active_ Expired_X		
BWR Pathfinder Nuclear Plant @ Sioux Falls, S.D. Reator Operator & Tark  PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience  NONE  6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO_X SRO_X Active_Expired_X  b. PWR: RO_SRO_X Active_Expired_X  c. Critical Facility or Test Reactor: RO_X SRO_Active_Expired_X		b. Utility nuclear experience BWR X PWR X
PWR Prairie Island Nuclear Plant @Weltch Minn. Shift Superviser 10 Years  c. A/E, vendor or other nuclear experience     NONE  6. Other work experience that might be helpful for nuclear plant emergency resource     a. Non-nuclear utility experience (years and type of work)     Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. ( Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held     a. BWR: RO X SRO X Active Expired X     b. PWR: RO SRO X Active Expired X     c. Critical Facility or Test Reactor: RO X SRO Active Expired X		A AMERICAN
Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO_X SRO_X Active Expired_X  b. PWR: RO_SRO_X Active_X Expired_ c. Critical Facility or Test Reactor: RO_X SRO_Active_Expired_X		
6. Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR:  RO SROX Active ExpiredX  b. PWR:  C. Critical Facility or Test Reactor:  RO SRO Active ExpiredX		c. A/E, vendor or other nuclear experience
resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR:  RO X SRO X Active Expired X  b. PWR:  RO SRO X Active X Expired  Critical Facility or Test Reactor:  RO X SRO Active Expired X		NONE
resource  a. Non-nuclear utility experience (years and type of work) Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR:  RO X SRO X Active Expired X  b. PWR:  c. Critical Facility or Test Reactor:  RO X SRO Active Expired X		
Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oil Fired Boiler Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal b. Other  Minnesota Grade A Chief Engineer License  7. NRC operator licenses held a. BWR:  RO_X SRO_X Active Expired_X  b. PWR:  RO_ SRO_X Active_X Expired_  C. Critical Facility or Test Reactor:  RO_X SRO_ Active_ Expired_X	6.	
Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO_X SRO_X Active_ Expired_X  b. PWR: RO_ SRO_X Active_X Expired_  c. Critical Facility or Test Reactor: RO_X SRO_ Active_ Expired_X		Boiler and Turbine Room Operator 7 Years Luverne, Minn. Gas & Oli Fired Boiler
Minnesota Grade A Chief Engineer License  7. NRC operator licenses held  a. BWR: RO_X SRO_X Active Expired_X  b. PWR: RO_ SRO_X Active_X Expired_  c. Critical Facility or Test Reactor: RO_X SRO_ Active_ Expired_X		Pump Room Operator, 9 Months @ The J. L. Lawrence Plant, Sioux Falls S.D. (Coal
7. NRC operator licenses held  a. BWR: RO_X SRO_X Active_ Expired_X  b. PWR: RO_ SRO_X Active_X Expired  c. Critical Facility or Test Reactor: RO_X SRO_ Active_ Expired_X		b. Other
a. BWR:  RO_X SRO_X Active Expired_X  b. PWR:  RO_ SRO_X Active_X Expired  C. Critical Facility or Test Reactor:  RO_ SRO_ X SRO_ Active_ Expired_ X		Minnesota Grade A Chief Engineer License
a. BWR:  RO_X SRO_X Active Expired_X  b. PWR:  RO_ SRO_X Active_X Expired  C. Critical Facility or Test Reactor:  RO_ SRO_ X SRO_ Active_ Expired_ X	7.	NRC operator licenses held
b. PWR:  RO SRO X Active X Expired  C. Critical Facility or Test Reactor:  RO X SRO Active Expired X		PO v SRO v Active Expired v
c. Critical Facility X SRO Active Expired X		DO SPO X Active X Expired
2 - 15		Outstand Production
		2 3 - 15

1.	WSP Department or Plan	t DRAIR!	E TZTON	D	
2.	Name KEith G	DELONG.			
	Title RADIATION		'ALIST		
	Education a. Degrees None		NONE		;
	b. Other Nuclear Education 2 Ye. Ares Nuclear	eation  EAR ScHooling	g in NANY		
5.		TING EXPERIENCE	in Nucleuse	phants in the	NAVY
	b. Utility nuclear ex	eperience BWR EXPERIENCE AT	PWR PWR PRAIRE IS	PROTECTION.	d.AT.ON Specialist
	c. A/E, vendor or oth	ner nuclear experie	nce		
6.	resource	that might be help			
	o. Other	POOR O	RIGINAL		
7.	NRC operator licenses	held			
	a. BWR:	ROERO	Active	Expired	
	b. PWR:	ROSRO	Active	Expired	
	<ul> <li>Critical Facility or Test Reactor;</li> </ul>	ROSRO	Active	Expired	309
		0.2	11	1-03	201

1.	NSP	Department or Plant	Prair	in Islan	d Nuc Pl	ant	
2.	Name	Steven R. De	·leth	Sec. 1			
3.	Titl	e Rad. Prot.	Speciali	st			
4.	Educ a.	Degrees BA-LA		Major _	Pay.		
				_			
	b.	Other Nuclear Educa	tion				
		NA					
5.		lear Work Experience agory)	(list nu	mber of yea	rs & type.of	work in each	
	a.	Nuclear Navy or rel	ated mili	tary nuclea	r experience		
		N	4				
	b.	Utility nuclear exp					
		2yrs .	Nuc Pin	wi HELPER	AND RPS		
	C *	A/E, vendor or othe	r nuclear	experience			
		NA					
6.	Other work experience that might be helpful for nuclear plant emergency resource						
	a.	Non-nuclear utility	experien	ice (years a	and type of wo	rk)	
		Installation of	Confr	d office	telephone	Egapment - 3 yrs	
	b.	Other					
		N-A.					
7.	NRC	operator licenses h					
	a -	BWR:	RO	SRO	Active	Expired	
	ъ.	PWR:	RO	SRO	Active	Expired	
	c.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	
				2.3-	7	763 310	

	NSP Department or Plant PRAIRIE ISLAND
	Name GILBERT L. EDON
3.	Title SHIFT SUPV
4.	a. Degrees NONE Major
	b. Other Nuclear Education
	ONLY LICENSE CANIDATE TRAINING
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience NONE
	b. Utility nuclear experience BWR PWR 95 YRS
	c. A/E, vendor or other nuclear experience NONE
	the polarial for nuclear plant emergency
6 .	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work) /3 YRS Fossile
	FUEL PLANT OPERATOR + MAINTENANCE
	b. Other NONE
7.	NRC operator licenses held
/.	Tondwad
	Tundred
	b. PWR: RO SRO V Active Expired Expired
	or Test Reactor: RO SRO Active Expired

1.	NSP Department or Plant PRAIRIE ISLAND
2.	Name SIMON A FEHN
3.	TILLE SR. SCHEDULING ENG'R
4.	Education a. Degrees REE Major ELECTRONICS
	D. Other Nuclear Education  IDAHO NUCLEAR CORP 3 MONTH CLARSROOM TRANSPORT  ON SHIFT  WATLE - MILL TRAINING BY WESTINGHOUSE  WESTINGHOUSE TRAINING AT SAXTON PLATT
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWRPWRX
	c. A/E, vendor or other nuclear experience  MTR + ATR OPERATION AT IDAHO AS REACTOR  OPERATOR
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
7.	NRC operator licenses held
	a. BWR:  PUR (SAXTON)  B. PWR: (PRAIRIE ISLAND) RO SRO X Active Expired  See Critical Facility
	c. Critical Facility or Test Reactor: RO X SRO Active Expired X @ MTR + ATI
	2.3-17

1.	NSP Department or Plant Prairie Island Nuclear Generating Plant
2.	Name Leland E. Finholm
3.	TitleTraining Supervisor
4.	Education : High School Grad. plus 2 yrs. general college a. Degrees Major
	US Navy Nuclear Power School US Navy Nuclear Prototype US Navy Engineering Laboratory Technician School Onsite NRC License Training - PINGP
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience 4 years Nuclear Mechanical Operator and Engineering Lab. Tech.
	b. Utility nuclear experience BWR PWR 8 yrs
	7 years - PINGP - Operations 1 Year - PINGP - Training Supervisor
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other Appromiately 1 year fossil marine propulsion operation - US Navy
7.	NRC operator licenses held
	a. BWR: ROSRO Active Expired
	b. PWR: RO X SRO Active X Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.3-20

	Name R. J. FLACK
	Title Shift Supu
	Education a. Degrees Major
	- NONE
	b. Other Nuclear Education
	PI OPER TNG
	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	NONE
	b. Utility nuclear experience BWR PWR X
	9.5 YRS
	c. A/E, vendor or other nuclear experience
	NONE
	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	STM PLT OPER 2.5 YRS
×	b. Other
	NONE
	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: ROSRO_X Active_X Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

1.	NSP Department or Plant PRAIRIE ISLAND
2.	Name TERRANCE M. GATTEN
3.	TILLE RADIATION PROTECTION SPEC.
4.	Education NONE - BK Dumm/ a. Degrees 98.6
	b. Owner Nuclear Education
	NAVY NUC PWR SCHOOLS
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	8 YEARS H.P.
	ADOUT & YEARS & PI . HP
	c. A/E, vendor or other nuclear experience
	COMBUSTION ENGINEERING FUEL FABRICATION H.P.
	1 YEAR
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	2 YEARS THE BOAT ENGINEER PART TIME
	b. Other
7.	NRC operator licenses held NONE
	a. BWR: ROSROActiveExpired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

	P Department or Pla		e I SIAN	NUCYEAR	
	me William C.	Carrie Carrie			
. Ti	tle Instrumen	1 8 Contra	la Coor	dendo	
	ucation		Valor		
a.	Degrees	-	Major		
		_			-
b.	Other Nuclear Edu	cation			
					*
				., .	
5. Nu	clear Work Experien	nce (list nu	mber of ye	ears & type of	work in each
	itegory)				
a	Nuclear Navy or r	elated mili	tary nucle	ear experience	
ь	. Utility nuclear	experience	BWR	PWR_	2 years
	HANdford N	1. REACTOR	120	MaINT.	
					O WEARS
	A/E, vendor or of				19 YEARS
				,,,,,	
	ther work experience	e that might	be helpf	ul for nuclear	plant emergency
a	. Non-nuclear util:	ity experien	ice (years	and type of w	ork)
b	. Other				
	Red Cross	5 Medic	TROM	775	
	C/				
	0.0	- h-11			
1 . N	RC operator license				
	. BWR:	RO	SRO	Active	_ Expired
a					
	. PWR:	RO	SRO	Active	_ Expired
ь		,			Expired

1.	NSP	Department or Plant	Prairi	e Islan	2 Nucley	Generating	Phat
2.	Name	Stanley E. G	nokas				
3.		le Assistant E					
4.	Educ	cation Degrees 8.5.			Nuclear Eng	inering	
	b.	Other Nuclear Educa	ation				
5.		lear Work Experience	e (list no	umber of ye	ars & type of	work in each	
	a.	Nuclear Navy or re	lated mil:	itary nucle	ar experience		
					ww. V		
	b.	Utility nuclear ex			PWR_X		
		2 years syst	m engi	neer			
	C *	A/E, vendor or oth					
		2 years shield					
		Engineer News	port No	ews Ship	building and	d Dry dock	
6.		company er work experience ource	that migh	t be helpfu	l for nuclear	plant emergeno	у
	a.	Non-nuclear utilit	y experie	nce (years	and type of wo	ork)	
	b.	Other					
7.	NRC	operator licenses	held				
	a.	BWR:		SRO	Active	Expired	
		PWR:	RO			Expired	
		Critical Facility	KO	SRO	ACCIVE	Pyhtred	-
		or Test Reactor:	RO	SRO	Active	Expired	4
				2.3.	-24		

763 317

1. NSP Department or Plant Prairie Island	
2. Name Raymond H. Hansen Jr.	
3. Title Assistant Power Production Engineer	
4. Education a. Degrees 85 · Purdue University Major Electrical Engineering	
b. Other Nuclear Education	
5. Nuclear Work Experience (list number of years & type of work in each	
category)	
a. Nuclear Navy or related military nuclear experience	
b. Utility nuclear experience BWR PWR /2	
1 year mechanical systems - Cooling Water, Diesel Grandentons 1 year electrical systems - Station Aurilians systems, D.C., Grandenton and printer, Nuclear Instrumentation, Protection and Safeguard: Logs	e
c. A/E, vendo: or other nuclear experience	
<ol> <li>Other work experience that might be helpful for nuclear plant emergency resource</li> </ol>	
a. Non-nuclear utility experience (years and type of work)	
b. Other 11 S. Navy - 205 years maintenance & operation supervision fossil mornine property.  Plants (.5 yrs ship bound electrical systems, 1 yr stem propulsion systems, .75 years divised propulsion systems)  - 2 years Fire Control "charician (radar, computer & control systems rep	.1516 
7. NRC operator licenses held	
a. BWR: ROSROActiveExpired	
b. PWR: ROSROActiveExpired	
c. Critical Facility or Test Reactor: RO SRO Active Expired	
2.3-25 743 318	

,	20.0
1.	NSP Department or Plant PRAIRIE ISLAND
2.	Name D.L. Haugland
3.	Title ASSOC. Prod. ENG.
4.	Education a. Degrees A.A Major GENERAL  BME  Major GENERAL
	b. Other Nuclear Education
	sko. Liconso Training @ PMGA
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	NONE
	POOR ORIGINAL
	b. Utility nuclear experience BWR PWR X
	31/2 yrs. Suptem Engineer at prairie Island Decy 1915 to modert
	c. A/E, vendor or other nuclear experience
	Bucus
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	Plant (NSP Black Dog Plant) Dec 1972 To Doc 1975
	power plant simulator from Henrial Physics Corperation in april, 1979.
7.	NRC operator licenses held Now.
	a. BWR: RO SRO Active Expired
	b. PWR: ROSEOActiveExpired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	7.3-26

	Name TIMOTHY D H	AWS			
	Title I+C5				
	Education				
•	a. Degress		Major		-
			_		
	b. Other Nuclear Educat	ton			
	WALY NUCLEA		RAT-		•
	, , , , , , , , , , , , , , , , , , , ,	1.0			
					Table and the second
5.	Nuclear Work Experience category)	(list numb	per of year	rs type of w	ork in each
	a. Nuclear Navy or rela				
	6 YEAR NAM	Y NUCLE	An prog	RA	
	pue	e plant	OPERAT	UR	
	t. Utility nuclear expe	erience	BWR	PWR V	
				- "	
	PI-28	months 3	T#C		
	,				
	c. A/E, vendor or othe	r nuclear	experience		
					-
6.	Other work experience t	hat might	be helpful	for nuclear	plant emergency
6.					
6.	resource				
6.	resource				
6.	resource				
6.	resource  a. Non-nuclear utility				
6.	resource  a. Non-nuclear utility				
6.	resource  a. Non-nuclear utility				
	resource  a. Non-nuclear utility	experienc			
	resource  a. Non-nuclear utility  b. Other	experienc	e (years a	and type of wo	
	a. Non-nuclear utility b. Other  NRC operator licenses h	experienc	e (years a	and type of wo	Expired

320

1.	NSP I	Department or Plant	PRAIR	E Jana	NO Muchos	PLANT - OPER DEPT.
2.	Name	ROBERT J.	HELD			
		SHIFT SUP				
4.	Educa a. I	ation Degrees		Major _		
		Other Nuclear Educations of Nuclear Navy Training NSP Nuclear	4 @ A	I W HE	STOTPPE ID	Anofaces, IDAHO.
5.	Nucl cate	ear Work Experience gory)	(list num	mber of yea	rs & type of w	ork in each
	a.		MACHIN	ens Dio	1211	ANDREW JACKSON Bration up to Ano (ERS)
	١	Northern Standard Control Standard Control Con	S of S	experience	PWR L purpose to a gervision	- Comments
6.		er work experience tource	hat might	be helpfu	l for nuclear p	lant emergency
	a.	Non-nuclear utility US NAVY SU Assigned to Tratan				(chil engineeringualifo
	b.	Other				
				OOR (	DRIGINAL	
7	NRC	operator licenses				
	a.	BWR:	-		Active	
	b.	PWR:	RO	SRO	Active	Expired
	C +	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				2, 3 -	28	763 321

1.	NSP Department or	Flant	PI			
	Name RLDE					
2.						
3.	Title ItC	spec				
4.	Education		Major			
	a. Degrees		najor			
						*
	b. Other Nuclean	Education			,	
	0					
			,			
5.	Nuclear Work Exp	erience (list n	umber of ye	ears & type of	work in each	
	a. Nuclear Navy	or related mil	itary nucle	ear experience		
	(3)					
	0					
	b. Utility nucl	ear experience	BWR	PWR X		
	VP-I9	LLA 27AS	I+C			
	` /					
	a A/F vendor	or other nuclea	ar experien	ce		
	c. A/E, vendor	or other macus				
	0					
6	Other work experesource	rience that mig	ht be helpf	ul for nuclear	plant emergency	
	a. Non-nuclear	utility experi	ence (years	and type of w	ork)	
	-					
	11106163	ive as	2849			
	b. Other					
7	. NRC operator li	censes held V	3Ne			
	a. BWR:	RO	SRO	_ Active	Expired	
	b. PWR:	RO	SRO	Active	Expired	
	c. Critical Fa	cility				
	or Test Rea	ctor: RO	SRO	_ Active	Expired	32
					100	the pass

,	3.	Title Supt. Technical Engineering
	4.	Education a. Degrees B.S. Major Electrical Eng.
		b. Other Nuclear Education
		SRO License Training @ PINGP
	5.	Nuclear Work Experience (list number of years & type of work in each category)
		a. Nuclear Navy or related military nuclear experience U.S. Air Force, 4 years, Nuclear Weapons Specialist
)		b. Utility nuclear experience BWR PWR /  6 months Point Beach Nutlear Plant Construction/Startup  testing of It C systems  9 years Prairie Island, Construction/Startup testing and  c. A/E, vendor or other nuclear experience
		16 months, Westinghouse PWR, Electrical and process controls design.
	6.	Other work experience that might be helpful for nuclear plant emergency resource
		a. Non-nuclear utility experience (years and type of work)  3 months, NSP Riverside Gen. Plant, Results engineer.
		POOR ORIGINAL
	7.	NRC operator licenses held
		a. BWR: ROSRO Active Expired
		b. PWR: RO SRO Active Expired
		c. Critical Facility or Test Reactor: RO SRO Active Expired
		2.3-30 763 323

1. NSP Department or Plant Prairie Island

2. Name James L. Hoffman

Hoffman, James L.

Prairie Island Muclear Gen. Plant

Hiswatha

Prairie Island

156-333

Supt. Technical Engineering

Plant Superintendent - Inglasaring

Sherburne County Gen. Plant

Horthwest

482

EDUCATION: BEE degree, University of Minnesota, June 1969
ADDITIONAL TRAINING: Senior Reautor Operators License
EXPERIENCE: NSP Planning Department, Student Engineer, January 1968 to June 1969.

(After assignment to Prairie Island staff)

Riverside Gen. Plant, July and August 1969, plant familiarization.

Westinghouse PWR Engineering, September 1969 to May 1970, worked with instrument and electrical controls applications designers with some participationian manufacturer factory testing.

Point Beach Nuclear Plant, May to November 1970, construction, Preoperational and startup testing performance.

Prairie Island Nuclear Plant, December 1970 to present. Positions held: Systems engineer with mechanical and instrument systems assignments to March, 1973. Instrument Engineer through December, 1975. Plant Engineer Technical as of January, 1976. A synopsis of duties is attached.

POOR ORIGINAL

2.3-31

3 324

## SYNOPSIS OF RESPONSIBILITIES

## JAMES L. HOPPHAN

During plant construction The assignment of I&C section work director in mid 1971 and subsequent promotion to Instrument Engineer provided responsibilities in addition to the regular systems engineer responsibilities of system design review and operational and test procedure writing, review and performance. The added responsibilities included; supervision of 15 I&C Specialists during construction and pre-operational testing, formulation of instrument surveillance program and spare parts stocking level guidelines, writing section procedures and instructions and organising and equipting the instrument testing.

As Instrument Engineer, during statup and operation, responsibilities included; instrument systems engineer, formulating instrument preventative maintenance program and assisting in the development of plant administrative controls.

The Technical Engineering section at Prairie Island is responsible for all electrical, instrument and computer systems maintenance, design and procedures plus investigation and response to regulatory body concerns. Also, the section has been charged with plant performance, Nuclear Plant Reliability Data reporting and the annual report. The section supervises instrument maintenance and electrical station auxiliary systems maintenance by outside groups.

Budgetary responsibility has included capital expenditure decisions, both pseiablecond negative, for prefects up to \$600,000.

Regular personnel and membership on the I&C Specialist Trainer Progression Progress Committee were a part of the Instrument Engineer position. As Plant Engineer Technical I&S type principles were applied early in 1976, prior to company initiation, for section engineers benefit by in depth work progress, scheduling and priority interviews. Interview frequency has varied from annually as weekly depending of the indvidual and his workload. Frequent, but irregularily scheduled, informal group discussions of plant problems are held. Frequent private discussions of personnely policies are held.

POOR ORIGINAL

1.	NSP	Department or Plan	Prairie	Island	Naclear	benevating	Plant	_
		Roland S. Ho						
		le Shift Super		4.00				
	Educ	Degrees		Major	)	-		
5.	Nuc	Other Nuclear Educing NSP Basic No Training at w Dasign lectures of NSP-PI NRC w Systems 7 lear Work Experience egory)  Nuclear Navy or re	waltz Minore Jarines Seo Lice	inber of ye	ars & type	Segue fat	cease Raules ulater Train simulator t	
	b.	Utility nuclear ex 9 yrs NSP - 6 1/2 yrs NSP - 1	PINSP -	Opera	PWR_ Hons	×		
	C+	A/E, vendor or oth	er nuclear	rexperienc	e			
6.		er work experience	that might	t be helpfu	l for nucl	lear plant	emergency	
	a.	Non-nuclear utility  2 yrs - NSP -						
	b.	Other						
7.	NRC	operator licenses	held					
		BWR:		SRO	Active	Expi	red X	
	b.	PWR:	RO			Expi		
	c.	Critical Facility or Test Reactor:	RO			Expi		. 32
					33		16-	) 11,50

1. NSP Department or Plant PRAIRIF Island	
2. Name Stron Harkto	
3. Title Inst & Cont. Spec	
4. Education	
a. Degrees Major	
b. Other Maior Education	
TWO FIRES Electricity @ St. Paul 10 Teet	
TWO YEARS Electronic Dotota County to tech	
NAUY: Bile A School 600 + School 1200 + School Water TES	ting
5. Nuclear Work Experience (list number of years & type of work in each	/
category)	
a. Nuclear Navy or related military nuclear experience	
b. Utility nuclear experience BWR PWR X	
Pr. Isl. Itc 9 mos.	
c. A/E, vendor or other nuclear experience	
<ol> <li>Other work experience that might be helpful for nuclear plant emergency resource</li> </ol>	
a. Non-nuclear utility experience (years and type of work)	
Electrical openation a High Beilly NSP- 2/24	1125
grex Chemolité Jet Plant NSP - 21/24	ies
OPER INVER HILLS 945 TURBINE NSP - 44R8	,
. IECS @ High Beidge 14EA	1_
& OTRER	
USN Boiler MAN GYENRS 2 Chass	
7. NRC operator licenses held	
a. BWR: RO SRO Active Expired	
b. PWR: RO SRO Active Expired	
c. Critical Facility	
or Test Reactor: ROSROActiveExpired_	
234	261

	. Name Arne A. Hunstad	
3.	· Title _ Staff Engineer	
4.	• Education	
	a. Degrees BS Major ME	
	b. Other Nuclear Education Onsite SRO Training Program 1976	
	Hot License Certification on Indian Point Simulator 1976	
	Onsite SRO Training Program 1979  Hot License Certification on Sequoyah Simulator 1979	
	interpretation of bequestion of the second	
	I CONTROL OF THE PROPERTY AND A SECOND OF SECOND OF THE PROPERTY OF THE PROPER	
	category)	
	a. Nuclear Navy or related military nuclear experience	
	x x	
	b. Utility nuclear experience BWR X PWR X	
	Pathfinder Atomic Power Plant 1966-1969, 3 years plant engineering	
	Prairie Island Nuclear Generating Plant 1971-1979, 2 years plant engineering and 6 years administration	
	c. A/E, vendor or other nuclear experience	
	and the same of th	
	FOROUFCO	y
5 -	resource	y
5.	a. Non-nuclear utility experience (years and type of work)	,
5.	a. Non-nuclear utility experience (years and type of work) Riverside Steam (fossil fuels) 2 years plant engineering	
5.	a. Non-nuclear utility experience (years and type of work)	
	a. Non-nuclear utility experience (years and type of work) Riverside Steam (fossil fuels) 2 years plant engineering	
	a. Non-nuclear utility experience (years and type of work) Riverside Steam (fossil fuels) 2 years plant engineering Pathfinder (after conversion to fossil fuels) 2 years plant engine	
	<ul> <li>a. Non-nuclear utility experience (years and type of work)         Riverside Steam (fossil fuels) 2 years plant engineering         Pathfinder (after conversion to fossil fuels) 2 years plant engine</li> <li>b. Other</li> </ul>	
	<ul> <li>a. Non-nuclear utility experience (years and type of work)         Riverside Steam (fossil fuels) 2 years plant engineering         Pathfinder (after conversion to fossil fuels) 2 years plant engine</li> <li>b. Other</li> </ul>	
	<ul> <li>a. Non-nuclear utility experience (years and type of work)         Riverside Steam (fossil fuels) 2 years plant engineering         Pathfinder (after conversion to fossil fuels) 2 years plant engine         b. Other         EIT, South Dakota</li> </ul>	
	a. Non-nuclear utility experience (years and type of work) Riverside Steam (fossil fuels) 2 years plant engineering Pathfinder (after conversion to fossil fuels) 2 years plant engine  b. Other EIT, South Dakota  NRC operator licenses held	
	<ul> <li>a. Non-nuclear utility experience (years and type of work)         Riverside Steam (fossil fuels) 2 years plant engineering         Pathfinder (after conversion to fossil fuels) 2 years plant engine         b. Other         EIT, South Dakota</li> </ul>	
	a. Non-nuclear utility experience (years and type of work) Riverside Steam (fossil fuels) 2 years plant engineering Pathfinder (after conversion to fossil fuels) 2 years plant engine  b. Other EIT, South Dakota  NRC operator licenses held	

1.	NSP Department or Plant	rairie Isla	nd Gancontin	, Plant	
	Name Gerald I Joachi		,		
	21216				
4.	Education a. Degrees	Major			
5.	b. Other Nuclear Education  US Nauy No.  US Nauy E.  Winena State  ) Rad tool. Fara  2) Rad desirately  Nuclear Work Experience (licategory)  a. Nuclear Navy or related  2 yrs - Inst/a	CT school  Constraints  statistics  statistics  st number of y  military nucl	vears & type of	work in each	system Train
	b. Utility nuclear experie		PWR_		
	c. A/E, vendor or other nu	clear experie	nce		
6.	. Other work experience that resource	might be help	ful for nuclea	r plant emergeno	су
	a. Non-nuclear utility exp	perience (year	s and type of	work)	
	b. Other	POO DRIGH	MAL		
7.	. NRC operator licenses held				
	a. BWR: RO	SRO	_ Active	Expired	
	b. PWR: RO	SRO_	Active	Expired	_
	c. Critical Facility or Test Reactor: RO_	SRO	Active	Expired	_
					500

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	uco p	epartment or Plant	Prair	ie Isl	and Nucl	ear Plan-	+
1.		Alvin C	Lihn	san			*
2.	Name	Radiation	Dankson	Son Ca	minator	_	
3.	Title	Radiation	LADLEC	MON CO	or or or		
4.	Educa a. D	ition Degrees		Major _			*
				-			
5.	Nucle	Nuclear Navy or rel	ear fowering List number (list number lated mili	er Train aborato mber of yea  tary nuclea	ry Fechnicians & type of w	an School ork in each	on Oosimetry
		Naval Nuclea Mechanica Health f	l Open	etor - 5	years	4	
		Radiation	Protect	ion Sp		- 81/2 year	S
	c. /	None	er nuclear	experience			
6.	Other reso	r work experience	that might	be helpful	for nuclear p	lant emergency	
	a • !	Non-nuclear utility	y experien	ice (years	and type of wor	k)	
	b.	Other					
7.	NRC	operator licenses	held				
	a.	BWR:	RC	SRO	Active	Expired	
		PWR:	RO	SRO	Active	Expired	
		Critical Facility or Test Reactor:	RO	SRO	Active	Expired	
				2.3	- 37		330

1.	NSP	Departm	ent or Pla	nt Prai	rie Islan	dPlant		
2.	Nam	e Mat	thew A	Klee				
3.	Tit	le Nu	clear En	gineer				
4.		cation Degrees	BS - Nort MS - Nort ME - U	th Oakolasta h Oakolasta Yirginia	iteu	Physics Physics . Nuclear Eng	inecvid?	
	b.	Other N Complete	uclear Edu	cation Valion Nucl	ear Enginee	ring Course		
		SRO	License T	ruining a	2 PIDGE			
5.		lear Wor	k Experien	ce (list	number of y	ears & type of	work in each	
	a.	Nuclear		elated mi	litary nucl	ear experience		
	b.		nuclear e o as Maclea		BWR at Prairi	PWR_X		
	c .	A/E, ve None	ndor or ot	her nucle	ar experien	ce		
۲.		er work	experience	that migh	nt be helpf	ul for nuclear	plant emergen	су
	a •	Non-nuc None	lear utili	ty experi	ence (years	and type of w	ork)	
	b.	Other			PO	OR CWAL		
7.	NRC	operato	r licenses	held				
	a.	BWR:		RO	SRO	Active	Expired	_
	ь.	PWR:		RO	SRO_X	Active_X	Expired	- Prairie Islam
	c.	Critica or Test	l Facility Reactor:	RO	SRO	Active	Expired	
					2.3	-38		763 551

1.	SP Departmen	t or Plant P	rairie Is	land		-
2.	Name Gar	y M Kolle				
3.		lation Protection	on Specia	list		
4.	Education a. Degrees		Major			
	Navy A Navy , Engine	lear Education  Juclear Power  Juclear Power  vering Laborato	ory School			
5.	Nuclear Work (	Experience (list m	number of ye	ars & type of	work in each	
	a. Nuclear N	avy or related mil	litary nucle	ar experience		
		8 years				
	b. Utility n	uclear experience	BWR	PWR 6 /	2 years	
	c. A/E, vend	or or other nuclea	ar experienc	e		
6.	Other work ex	perience that migh	nt be helpfu	l for nuclear	plant emergency	
	a. Non-nucle	ar utility experie	ence (years	and type of wo	rk)	
	b. Other					
7.	NRC operator	licenses held				
	a. BWR:	RO	SRO	Active	Expired	
	b. PWR:	RO	SRO	Active	Expired	
	c. Critical l		SRO	Active	Expired	+27
					7.7	7)6

2.3-39

1.	NSI	P Department or Pla	nt PRA.	RIE I	-sland	
2.	Nar	ne Dennis	Lakines			
3.	Tit	le Chemiste	, Cooke	d. water		
4.		Degrees	-	Major		
	b.	Navy Proto Wavy Proto Winona State	type and - Radia	tion do	selear Powers.met.y, Sta	et sties
5.		clear Work Experience	ce (list num	mber of ye	ears & type of	work in each
	a.	Nuclear Navy or re Co years - U Mac. 4. Nisi	S alaus	31.95		LAS Techer
	b.	Utility nuclear es  PWR - 5/2  PWR - US  BWR - Work	yenes			es at Monticello
	c.	A/E, vendor or oth	ner nuclear	experienc	e	
6.		er work experience	that might	be helpfu	l for nuclear p	plant emergency
	a.	Non-nuclear utilit	y experienc	e (years	and type of wor	rk)
	b.	Other				
, 			POO	R OR	GINAL	
7.	NRC	operator licenses	held d	ONE		
	а.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
	с.	Critical Facility or Test Reactor:	RO	SRO	Active	27

٠		rtment or "lant			SCAND	)
	Name JE	KRY LEMM	ERMAN			
	Title	RPS				
	Education a. Degr	n ees NoviE		Major _	CHSM Math	
		r Nuclear Educa		T P.I		
	Nuclear	Work Experience	e (list nu	mber of yea	rs & type of	work in each
	a. Nucl	ear Navy or re	lated mili	tary nuclea	r experience	
		NONG	3			
	b. Util	ity nuclear ex	perience	BWR	PWR 6	
	c. A/E,	, vendor or oth	er nuclear	experience		
			NON	e		
6 •	Other wo		that might	t be helpfu	for nuclear	plant emergency
	a. Non-	-nuclear utilit	y experie	nce (years	and type of w	ork)
	b. Othe	er				
٠						
7.	NRC open	rator licenses	held			
	a. BWR		RO	SRO	Active	Expired
	. PWR		RO	SRO	Active	Expire:
	c. Crit	tical Facility Test Reactor:	RO	SRO	Active	Expired
						-

	Name	George T. Lenertz
		e Assoc. Production Engineer
•	Title	e
٠	Educ	Degrees B.S. Major Marine Engineering
	a.	Degrees
		Other Nuclear Education
		2 courses Nuclear Engineering
		2 courses Nuclear Physics
		SRO License Training
	Nucl	lear Work Experience (list number of years & type of work in each
		egory)
		Nuclear Navy or related military nuclear experience
	a.	Nuclear havy of telaced military have
		[ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ] : [ ]
	ь.	Utility nuclear experience BWR PWR X
		1 year - startup testing of Engineered Safeguards Systems
		5 years - Performance review, procedure writing and design change performa
	C .	A/E, vendor or other nuclear experience
		1 year - Nuclear Submarine - Reactor Fluid Systems Design
		er work experience that might be helpful for nuclear plant emergency
		ource
	THO:	
	a -	Non-nuclear utility experience (years and type of work)
	b.	Other
	b.	1 year - operating on Merchant Marine Vessels
	b.	1 year - operating on Merchant Marine Vessels
	b.	1 year - operating on Merchant Marine Vessels Professional Engineer - Mechanical U.S.C.G. License - Third Asst. Engineer Unlimited Steam and Diesel Powere
	b.	1 year - operating on Merchant Marine Vessels
7.		1 year - operating on Merchant Marine Vessels Professional Engineer - Mechanical U.S.C.G. License - Third Asst. Engineer Unlimited Steam and Diesel Powere
7.	NRC	1 year - operating on Merchant Marine Vessels Professional Engineer - Mechanical U.S.C.G. License - Third Asst. Engineer Unlimited Steam and Diesel Powere Vessels. Operator licenses held
7.	NRC	1 year - operating on Merchant Marine Vessels Professional Engineer - Mechanical U.S.C.G. License - Third Asst. Engineer Unlimited Steam and Diesel Powere Vessels.
7.	NRC	1 year - operating on Merchant Marine Vessels Professional Engineer - Mechanical U.S.C.G. License - Third Asst. Engineer Unlimited Steam and Diesel Powere Vessels.  operator licenses held  BWR: PO SRO Active Expired
7.	NRC a.	1 year - operating on Merchant Marine Vessels Professional Engineer - Mechanical U.S.C.G. License - Third Asst. Engineer Unlimited Steam and Diesel Powere Vessels. Operator licenses held

1.	NSP Department or Pla	ant Prairie Island
2.	Name Richard L.	Lindszy
3.	Title Superintenda	
4.	Education a. Degrees hone	Major ME
	US Nay Nuclear Po US Nay Nuclear Po US Nay Nuclear Po General Atonic K Westing House Re	cation wer School ower Training Unit Peacher Operator Training Program ractor Operator Training Program
5.	Nuclear Work Experience	nce (list number of years & type of work in each
	3 years - us Nav	related military nuclear experience y - Reactor Operator/Instructor, Reactor Technicia, n AIW and USS Enterprise
	By ears - Reac Redefor Dyears - Prairie Supervisor > S C. Ale. vendor or o	ter Specialist (Shift Supervisor) Elk River  Tetend Nuclear Planty Shift Supervisor; Operations  Superintendant-Operations ther nuclear experience erimental Beryllium Oxider Reactor- for Operator and Shift Supervisor
6.	Other work experience resource	e that might be helpful for nuclear plant emergency
	a. Non-nuclear util	ity experience (years and type of work)
		POOR ORIGINAL
	Professional	
7.	NRC operator license	s held
	a. BWR:	ROSRO_X ActiveExpired_X
	b. PWR:	RO SRO X Active X Expired
	c. Critical Facility	
	or Test Reactor:	ROSRO_X ActiveExpired_X

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1		NSP Department or Plant Prairie Island Nuclear Plant
	2.	Name John T. Linville
	3.	Title Plant Chemist
		Education
		agrees AAS Major Ind. Tech.  BA Chem.
		Navy Nuclear Education Navy Nuclear Power School Bainbridge, MD. S3G Prototype West Milton, N.Y. Operator and ELT Radiation Protection Courses (see attached)
5	5.	Nuclear Work Experience (list number of years & type of work in each category)
		a. Nuclear Navy or related military nuclear experience
		5 years on SSBN 657 (S5W) Qualified LELT and LWS
		b. Utility nuclear experience BWR PWR x
		7 years at Prairie Island Nuclear Plant
		c. A/E, vandor or other nuclear experience None
6		Other work experience that might be helpful for nuclear plant emergency resource
		a. Non-nuclear utility experience (years and type of work) None
		b. Other Qualified as Registered Radiation Protection Technican by NRRPT in 1978
7		NRC operator licenses held
		a. BWR: RO SRO Active Expired
		b. PWR: RO SRO Active Expired
		c. Critical Facility
		or Test Reactor: RO SRO Active Expired

## John T. Linville (cont'd.)

College Courses Taken

Physics - Detect & Meas Radiation - Summer 1978

Radiation Dosimetry - Physics - Summer 1978

Nuclear Counting Statistics - Summer 1978

Primary Radiation Protection - Physics - Fall 1978

1.	NSP Department or Plant RATER ISLAND RAD PROTECTION
2.	Name DANIEL A. LUDWIG
	Title RAD . PROT. SPEC
3.	Title MAD. TROT. SPEC
4.	Education a. Degrees  Major
	b. Other Nuclear Education
	NAVY NUCLEAR POWER SCHOOL
	NAVY ELI SCHOOL
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	6 YEARS ON NUCLEAR SUBMARINES
	AS MECH. OPERATOR / ELT
	b. Utility nuclear experience BWR PWR 5.5 yr
	c. A/E, vendor or other nuclear experience
	$\mathcal{A}$
6.	Other work experience that might be helpful for nuclear plant emergency
	resource
	a. Non-nuclear utility experience (years and type of work)
	None
	b. Other
	HOSTIER HOUSE OPERATOR I VR MUBILE POLLUTION CO
	AND MOBILE POLLUTION CO
7.	그래마 이렇게 하면 하는 아이들에 가장 하는 아니는 아니는 그는 아이들이 되는 것이 되었다면 하는데 되었다.
	a. BWR:  RO SRO Active Expired  D. PWR:  RO SRO Active Expired  C. Critical Facility or Test Reactor:  RO SRO Active Expired
	b. PWR: RO Active Expired
	a Cristani Panilism
	c. Critical Facility or Test Reactor: RO SRO Active Expired

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1.	NSP	Department or Plant	TRAL	RIE I	SLAND 5	LANT
2.	Name	JERRY LYO	NS			
3.		e CHIEF FL		CIAN		
4.		ation Degrees		Major _		
				-		
		Other Nuclear Educa				
		BASIC Nucl	1 /=0	TURE		
		INX DESIS	V 75	,,,,,,		
5.		ear Work Experience	(list nu	mber of yea	rs & type of v	work in each
	a.	Nuclear Navy or rel	lated mili	tary nuclea	r experience	
	b.	Utility nuclear exp	perience	BWR / 6		
		ELECTRIC	CAL			
	c.	A/E, vendor or othe	er nu/ .ear	experience		
6.		er work experience tource	that might	be helpful	for nuclear	plant emergency
	a.	Non-nuclear utility	y experien	ice (years a	and type of wo	rk)
		7 Rel	AY, N	METER		
	5.	Other				
		ELECTRIC	- /	4 1	ALS NA	04
		LEGIRIC	7. –	, ,,	~ ~ ~	
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
		Critical Facility		7		
		or Test Reactor:	RO	SRO	Active	Expired
						1 1 1 1 1 1 1 1

2.3-47

1.	NSP	Department or Plant	PRA: Rie	ISLAN	10	
2.	Name	GERALD MALINE	wsk;			
3.		Le RADIATION Protec		JA-ST		
4.		Degrees Nove		Major _		
5.	Nuc	RADIATION PROTECTION PHINA NUCLEAR CONTRACT STATE lear Work Experience egory) Nuclear Navy or rel  6	(list num	mber of yea	rs & type of w	
	b.	Utility nuclear exp	erience	BWR	PWR 3 yes	
		A/E, vendor or othe	r nuclear	evnertence		
		O	r nuc.ear	experience		
6.		er work experience t ource	hat might	be helpful	for nuclear p	lant emergency
	a.	Non-nuclear utility	experien	ce (years a	and type of wor	k)
	b.	Other O				
7.	NRC	operator licenses h	eld			
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
	с.	Critical Facility or Test Reactor: O	RO	SRO	Active	Expired

1.	
	NSP Department or Plant Proirie Island Nuclear Gren Station
2.	Name D. Gerald Martin
3.	Title 1 \$ C Specialists
4.	Education a. Degrees Major
	b. Other Nuclear Education U. S. Navy Nuc. Power School
5.	Nuclear Work Experience (list number of years & type of work in each category)
	6 years - U.S. Nour Nuclear Experience
	Prairie Island - Tyears - 1 \$6 Shop
	c. A/E, vendor or other nuclear experience
6.	
6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)
6.	resource
6.	a. Non-nuclear utility experience (years and type of work)
	a. Non-nuclear utility experience (years and type of work)  b. Other
7.	a. Non-nuclear utility experience (years and type of work)  b. Other  NRC operator licenses held
	a. Non-nuclear utility experience (years and type of work)  b. Other  NRC operator licenses held  a. BWR: RO SRO Active Expired
	a. Non-nuclear utility experience (years and type of work)  b. Other  NRC operator licenses held

1.	NSF	Department or Pla	nt PRI	AIRIE	ISLAI	UD	
2.	Nam	ie JOE MAL	REE	1332			
3.	Tit	le RPS					
4.		DegreesIO		Majo	r		
	b.	Other Nuclear Edu	cation				
		NAUY N	306				
		NUCLEAR	4	ina	SCHOOL		
5.	Nuc	lear Work Experience egory)	ce (list	number of	years & type o	f work in each	
	a.	Nuclear Navy or re			lear experienc	e	
		8 yrs	SERU	ارد			
		54rs 0	N F.B	M (cuoù	)		
	b.		ons -	21/2	PWR 6	2	
	c.	A/E, vendor or oth	ner nucle	ar experie	nce		
		MINONA					
		er work experience	that migh	nt be help	ful for nuclea	r plant emergency	
	a.	Non-nuclear utilit	y experi	ence (year	s and type of	work)	
		CHIEF BOI	LER	LICE	NSC		
	b.	Other					
*			POO	R ORI	GINAL		
	NRC	operator Jicenses	held				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO	\ctive	Expired	
	C.	Critical Facility or Test Reactor:			Active		7,

1.	NSP Department or Pla	int Prai	rie Island			1
2.	NameJames L Meat	h				
3.	Title Shift Superv	isor				
4.	Education a. Degrees		Major			
5.	b. Other Nuclear Ed®  Ro ≠5R  Nuclear Work Experien	e License	number of ve		work in each	
	category)					
	a. Nuclear Navy or r	elated mil	itary nucle	ar experience		
	b. Utility nuclear e		BWR	PWR 9 Ye	ars	
	c. A/E, vendor or ot	her nuclea	r experienc	e		
6.	Other work experience resource	that migh	it be helpfu	l for nuclear	plant emergency	
	a. Non-nuclear utili Fossil Fuelcd Power  . b. Other					
7.	NRC operator licenses					
	a. BWR:	RO	SRO	Active	Expired	
	b. PWR:		SRO_X	Active_X_	Expired	
	c. Critical Facility or Test Reactor:	RO		Active	Expired	344

. 1	NSP Department or Plant PRAIRIE ISLAND
	Name DAVID MENDELE
	Title Supt. OPERATIONS ENGINEERING
	Education
	a. Degrees Boch of Science Major CHEM ENGINEERING
	b. Other Nuclear Education
	SRO License Training.
	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	Para luce preparation and ocean testing 3 years
	Procedure preparation and press testing 3 years lead system engineer 1 years
	frocedure preparation and press testing 3 years lead system engineer 1 years nuclear safety heriow and outhorize all much nuclear safety heriow and outhorize all muservis 10 engineers 4 years
	frocedure preparation and press testing 3 years lead system engineer year leview and outhorize all pressure of nuclear safety maintenance work, supervise 10 engineers 4 years c. A/E, vendor or other nuclear experience
	PWR & Years  Procedure preparation and press testing 3 years  Lead system engineer year  Leview and outhorise all pressure nuclear safety  Review and outhorise all pressure 10 engineers 4 years  c. A/E, vendor or other nuclear experience
	frocedure preparation and press testing 3 years lead system engineer year herious and presser nuclear safety nuclear safety maintenance work, supervise 10 engineers 4 years c. A/E, vendor or other nuclear experience
	PWR DYLAND  frocedure preparation and press testing 3 years  lead system engineer lylar  keview and outhories all plant nuclear safety  nuclear safety  nuclear safety  nuclear experience  Other work experience that might be helpful for nuclear plant emergency  resource
	Other work experience that might be helpful for nuclear plant emergency resource
	Other work experience that might be helpful for nuclear plant emergency
6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  2 years at a Crutal Ul boiler - A.S. King plant
6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  2 years at a Crutal Ul boiler - A.S. King Plant
66.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  2 years at a Crutal Ul boiler - AS, King Plant  b. Other  POOR ORIGINAL
6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  2 years at a Crutal Ul bouler - A.S. King Plant  b. Other  POOR ORIGINAL  NRC operator licenses held
6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  2 years at a Crutal Ul bouler - AS, King Plant  b. Other  POOR ORIGINAL  NRC operator licenses held  a. BWR:  RO SRO Active Expired
6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)  2 years at a Crutal Ul bouler - A.S. King Plant  b. Other  POOR ORIGINAL  NRC operator licenses held

2.	Name Gary L. Miller			
}.	TitleProduction E	ngineer		
	Education a. Degrees B.S.	Majo	Marine Engine	eering
	b. Other Nuclear Educ	ation		*
	1 year of Westingh	ouse PWR operating	and design lect	cures
			, i * .	
	Nuclear Work Experience category)	e (list number of	years & type of	work in each
	a. Nuclear Navy or re	lated military nuc	lear experience	
	b. Utility nuclear ex	-	PWR_X	
	5 years - Review o	testing of Engineer f plant performance. ew, design change	e data, operation	Systems  ng procedure preparati  tion and installation.
	c. A/E, vendor or oth	er nuclear experie	nce	
	Other work experience	that might be help	ful for nuclear	plant emergency
	resource			
	a. Non-nuclear utilit			
	1 year - Data eval	uation and perform	mance testing at	coal firing plant
		Professional Engin		l Engineer
		ng experience on me		essels
	NRC operator licenses	held		
			Antima	Puntued
	a. BWR:	ROSRO	_ Active	7,1,1
	b. PWR:	ROSRO	Active X	Expired
	c. Critical Facility or Test Reactor:	r.osro	Active	Expired
			The state of the s	The second second

	NSP Department or Plant Prairie Island Nuclear Plant
1.	
2.	Name Nelson, John H.
3.	Title Supt. Maintenance
4.	Education a. Degrees High School Major
	Maint. Super. Trng Douglas United Nuclear Basic Nuclear Course - NSP Design Lecture Series - W
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	Maintenance Supervisor - 9 yrs.
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency
	resource (acceptance of work)
	Maintenance Machinist - Welder (Certified) - 20 yrs
	Job Shop Machinist - Boiler maker - Zyrs.
7.	NRC operator licenses held
	a. BWR: ROSRO Active Expired
	b. PWR: RO SR Expired
	c. Critical Facility
	or Test Reactor: RO SRO Active Expired
	2.3-54

1.	NSP Department or Plant PRAIRIE ISLAND NUCLEAR GENERATING STATION
2.	Name SCOTT NORTHARD
3.	TITLE NUCLEAR ENGINEER
4.	Education a. Degrees D.S. UNN. OF WIS-AMEN Major NUCLEAR ENGINEERING
	b. Other Nuclear Education
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWRPWR
	STUDENT ENGINEER AT ZION NUCLEAR STATION - 1976
	NUCLEAR ENGINEER AT PRAIRIE ISLAND SINCE 9/1/77
	c. A/E, vendor or other nuclear experience
	C. A/L, Vendor or other messar super-
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
	PRESENTLY TAKING MECHANICAL ENGINEERING COURSES AT
	UNIVERSITY OF MINNESOTA FOR MASTERS DEGREE IN M.E.
7.	HAVE PASSED EIT AND P.E. EXAMS IN W.SCONSIN.
	a. BWR: ROSRO Active Expired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: ROSROActiveExpired
	2.3-55 763

. NSP	Department or Plant	0480	PING	ρ	
Nam	CELKERS, JOHN	P			
	le RPS				
	Degrees O		Major		
ь.	Other Nuclear Educa	ntion Nbu	E		
	lear Work Experience	e (list n	umber of y	ears & type o	f work in each
a.	Nuclear Navy or re		itary nucl	ear experience	e
	6.				
b.	Utility nuclear exp	perience	BWR	PWR 6	14
		RPS			
C .	A/E, vendor or other				
314	MINU. MINING 5485- HP.		DUCLEAR	RODUCT.	5 DIVISION.
	J 710 - 74.	Qu,			
	er work experience ource	that migh	t be helpf	ul for nuclea	r plant emergency
a.	Non-nuclear utility	y experie	nce (years	and type of	work) O
b.	Other Howe				
• NRC	operator licenses	held			
a.	BWR:	RO	SRO	Active	Expired
ь.	PWR:	RO	SRO	Active	Expired
с.	Critical Facility or Test Reactor:	RO	SRO	Active	_ Expir d
c.	Critical Facility or Test Reactor:	RO		Active	Expir d

		2		TI	
1.	NSP Department or Pla			18/200	
2.	Name Roger A. C.		LR.		
3.	Title ItC Co ge	dinata	£		
4.	Education a. Degrees		Majo	-	
	b. Other Nuclear Edu Nuclear F	cation ower	School.	- USN	*
5.	Nuclear Work Experiencategory)	ce (list	number of	years & type of	f work in each
	a. Nuclear Navy or r	enstor.	- West	Milton N.	4.
	zye LPO	RC	piv as	5 A. Han	nito-
			y		
	b. Utility nuclear e	xperience	BWR_/	94K PWR84	E
	1+C				
	c. A/E, vendor or ot	her nucle	ar experie	nce	
6.	Other work experience resource	that mig	ht be help	ful for nuclea	r plant emergency
	a. Non-nuclear utili		ence (year	s and type of	work)
	14R I4	C			
	b. Other				
*					
7.	NRC operator licenses	held			
	a. BWR:	RO	SRO	Active	Expired
	b. PWR:	RO	SRO	_ Active	_ Empired
	c. Critical Facility or Test Reactor:	RO	SRO	_ Active	Expired
				2.3-57	PRODUCTION OF THE PROPERTY OF

2	Name	RICHARD P. P	EARSON	)	AND NUCL		
3.	Titl	e ASSOCIATE PRODU	CTION EN	AINCEX			
4.	Educ a.	Degrees B.A.		Major	CHEMISTRY CHEMICAL EN	LINEERIN L	
	b.	Other Nuclear Educa	tion			×	
		Naval Nuclear	Power 7	Training			
		Course in Radiat.	in Protes	Jim at	1.2.		
5.		lear Work Experience	(list nu	mber of y	ears & type of	work in each	
	a.	Nuclear Navy or rel	ated mili	tary nucl	ear experience		
		4 years - Divisi	- OFFice	er in En	sinering Do.	. Treat of nuc	lea- subma
		QUALIFICO AS					
	b.	Utility nuclear exp	erience	BWR Radio	PWR X	Got - Briginess	
	c .	A/E, vendor or other	er nuclear	experien			Facilit
6.	Oth	A/E, vendor or other  2 y **** op*  er work experience tource	r.Ted U	1 of Minn	ice esta Genm	a IrradiaTa	
6.	Oth	2 y ears - ope	that might	be helpf	tul for nuclear	plant energence	
6.	Otheres	2 y ears - ope er work experience	that might	be helpf	tul for nuclear	plant energence	
6.	Otheres	2 y ears - ope er work experience ource Non-nuclear utility NONE	that might	be helpf	tul for nuclear	plant energence	
6.	Otheres	2 y ears - ope er work experience ource Non-nuclear utility	that might	be helpf	tul for nuclear	plant energence	
	Otheres a.	2 y ears - ope er work experience to ource Non-nuclear utility NONE	that might	be helpf	tul for nuclear	plant energence	
	Otheres:	er work experience fource  Non-nuclear utility  NONE  Other  NONE	that might	be helpf	and type of	plant energence	
	Otheres: a. b. NRC	2 y ears - ope er work experience to ource  Non-nuclear utility  NONE  Other  NUNC  operator licenses  BWF:	that might we experient	be helpfince (years	and type of w	r plant omergend	
	Otheres  a.  b.  NRC  a.	er work experience fource  Non-nuclear utility  NONE  Other  NONE	that might experient	be helpfince (years  SRO	and type of w	r plant overgence work)  Expired Expired	

1.	NSP Department or ant PHAITIE ISLAND 0480
2.	Name REGINALD V. PEDERSON
3.	Title ENGINEER
4.	Education a. Degrees  BA  Major Introduction AA  Major Introduction
	b. Other Nuclear Education
	NONE
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	NONE
	Florida Power & Light (St. Lucie Plant) 44.
	Florida Power ? light (St. Lucie PMM) 4
	New MERN STATES POWER CO. (PANING ISLAND PLAT) 2 yr.
	EBASCO SERVICES INC (ST Luic Plan) 244.
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear uti'ity experience (years and type of work)
	NONE
	b. Other
	NUME
7.	NRC operator licenses held NONE
	a. BWR: ROSROActiveExpired
	b. PWR: RO SRO Active Expired
	c. Critical Facility or Test keactor: RO SRO Active Expired

2.3-59

. NSP Department o	r Plant	11061	O I	+C
. Name DAN	PETERSO,	v.		
T .				
. Title 170	DIECIACI			
. Education a. Degrees		Major		
46	CTRONIC		Y	
	Hanlock			
b. Other Nuclea	ir Education			
	perience (list n	umber of v	ears & type of	work in each
<ul> <li>Nuclear Work Exp category)</li> </ul>	perience (list n	umoer or y		
a. Nuclear Nav	y or related mil	itary nucl	ear experience	
b. Utility nuc	lear experience	BWR	PWR	_
	3	YEARS.	ISC	
c. A/E, vendor	or other nuclea	P Con	TROC	
	15Thomant			
2110 110				
6. Other work experesource	rience that migh	at be helpi	ful for nuclear	r nt emergency
a. Non-suclear	utility experie	ence (years	and type of w	rk)
b. Other				
•				
The second	Language halls			
7. NRC operator 1				Produced
a. BWR:	RO			Expired
b. PWR:	RO	_ SRO	_ Active	Expired
c. Critical F or Test Re	acility actor: RO	SRO	Antino	Expired
or rear ke	N 50 50 50 8 8 8550	FL 8475	VCCTAC	Pahrren

-1.	NSP Department or Plant	Prairi	e Island	Nuclear (	senerating Plant				
2.	Name Gregory A. Rolfson								
3.	Title Asst. Production	in Engl	heer						
4.	Education a. Degrees B.M.E.		Major	Power Sy	stems				
	b. Other Nuclear Educat	tion							
5.	Nuclear Work Experience category)	(list nu	umber of ye	ars & type of	work in each				
	a. Nuclear Navy or rela	ated mili	tary nucle	ar experience					
	NA								
			2172	num X					
	b. Utility nuclear exp. 4 year.s - Prairie				Plant- Enginee	ring			
	c. A/E, vendor or othe	r nuclear	experienc	e					
	NA								
6.	Other work experience t	hat might	t be helpfu	l for nuclear	plant emergency				
	a. Non-nuclear utility	experier	nce (years	and type of w	ork)				
	lyear - Fossil Fi	neled G	enevation	Plant - En	gineering				
	b. Other								
7.	NRC operator licenses h	eld NA							
	a. BWR:	RO	SRO	Active	Expired				
	b. PWR:	RO	SRO	Active	Expired				
	c. Critical Facility or Test Reactor:	RO	SRO	Active	Expired	254			
			-	-	100	274			

1.	NSP Department or Plant PINGP
2.	Name J. C. Ruether
3.	Title Asst. Prod Engr
4.	Education BAEE Major Electrical Engineer
	b. Other Nuclear Education
	îV/A
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	No
	b. Utility nuclear experience BWR PWR 34r at PI
	b. Utility nuclear experience BWR PWR Y
	c. A/E, vendor or other nuclear experience
	No
6.	
	a. Non-nuclear utility experience (years and type of work)
	1 year work in NSP Power Supply Planni
	1 year work in NSP Power Supply Planni a6 student. Walked down PI piping for
	b. Other 3 months
7.	. NRC operator licenses held None
	a. 3WR: RO SRO Active Expired
	b. PWR: RO SRO Active Expired
	U* 1 HIS*

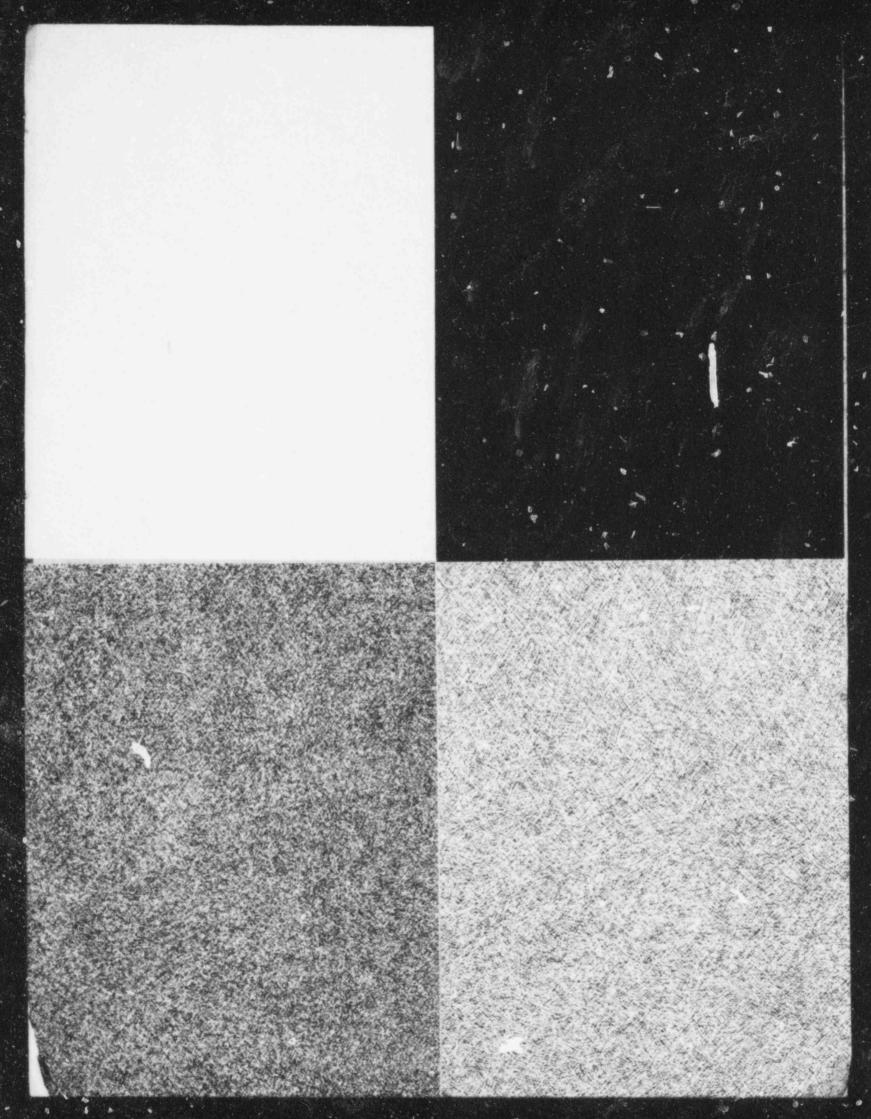
1. 1	NSP Department or Plan	t Pra	irie Is	land		
2. 1	Name PATrick C	Ryan_				
3.	Title Shift Sug	. W.				
4.	Fication					
	a. Degrees		Major			
	b. Other Nuclear Educ	attan				
	5 P. BASIC Nuc. Cour	Phase	F 2-16-70	9 6-12-75		
2/ A	35 P RADIE ALLE COUR	e Phase	TT 1-15-70	P C 20 1 -		
3 C	ES INDIA CON QUAL	To Mill	3-10-10 7	0		
79 ( 73.)	I S D KASIE TOME COMPR	F PRACE P	T 0-22-10"			
506	D DLS 9-28-70 710.	30 70 Tes	Ting + STA+7	up of PI 1+2		
0)	D DAS 9-28-70-70- PARTICIPATED IN PREOPE OTHER SEE THAIR IN SI Nuclear Work Experience	1250.19		ore & type of	work in each	
5.		e (list r	number of ye	ars a type or	WOLK IN COOK	
	category)					
	a. Nuclear Navy or re	lated mil	litary nucle	ar experience		
	a. Macrour many					
	b. Utility nuclear ex	vnerience	BWR	PWR V		
	b. Other independence	1 . 0 0	NAME OF TAXABLE PARTY.			
	Prairie Islan	0. 2-7	0 PA 1. Eq	+ HID. OPT.		
		4-1	Y Lead P	11. Eg + KIT.	pr.	
		7-7	5 Shiei	Supv.		
	- 1/17 wander or orl	har nucle	ar evnerien	C P		
	c. A/E, vendor or oth	ner nucle	ar capetren			
	BOOR O	PHOISE	A &			
	POOR O	IIIIN	Al			
	100110	Hunt	115-			
		shor min	ht he heinf	ul for nuclear	nlant emergency	
6 .	Other work experience	that mig	nt be neipi	di loi nacioa.	prane sar-8,	
	resource					
	a. Non-nuclear utili	ty experi	ence (years	and type of w	work)	
	Dunwoody - 57m.					
	Dunwoody 57m	ENS H	9-67			
	b. Other			- 0 - 0 - 0		
	Riverside STex	m PLAN	1 3-66 -	2-70 82	rucd As Appre	wTice,
	Fireman, Lead Fi	Y MAL C	a Pumpo	perator		
7.	NRC operator licenses	held				
		0.0	cno	Activo	Expired	
	a. BWR:	RO	5KU_	WCL1A6	Expired	
	). DUD	RO	SRO (	Active F	Expired	
	b. PWR:	EO			-	
	c. Critical Facility or Test Reactor:	PO.	SPO	Active	Fundand	32

1.	NSP Department	or Plant PRA	IRIE 15	LAND 1	UKLGAK	
		LEIF A S				
3.	Title WSTR	INENTATION :	CONTROLL	SAECI	ALIST	
	Education a. Degrees					
	b. Other Nucl	ear Education				
	USN					
5.	Nuclear Work E category)	Experience (list no	umber of yea	rs & type of	work in each	
	QUALIF	RED WATER	ABOARD	ATOR :	"SHUTDOWN FERENT SUBMIT DUTY SERVI	die 1000
		iclear experience				
		Gyrs I	5-			
	c. A/E, vendo	or or other nuclea				
		POOR ORI	GINAL			
6.	Other work expressurce	perience that migh	t be helpful	for nuclear	plant emergency	
	a. Non-nucle	ar utility experie	nce (years a	nd type of w	ork)	
	b. Other	cross c	PR -1	RANNO	)	
7.	NRC operator	licenses held				
	a. BWR:	RO	SRO	Active	Expired	
	b. PWR:	RO	SRO	Active	Expired	
	c. Critical or Test Re		SRO	Active	Expired	
			2.3	-64		

					. 1 11 1	
1.	NSP	Department or Plant	Prairi	+ Is/	and Nucles	r Connerting Plant
2.	Name	Louald H.	Sch	relke		
3.	Titl	· Supt. Rad.	Prot			
4.	Educ a.	Degrees BS		Major C	hem Eng	tin-Health Physics
	b.	Other Nuclear Educa	tion Train	ining for Day si	SRO L mulator tro	isense ining at Indian Point
5.		ear Work Experience	(list num	ber of year	rs & type of w	ork in each
	a.	Nuclear Navy or rel	ated milit	ary nuclea	r experience /	NONE
	b.	Utility nuclear exp 6-73 to 2-75 1-76 to pros	erience atNS	P Prair	PWR X Pix Island P Prairi	e Island
	C +	A/E, vendor or othe	r nuclear	experience		
6.		er work experience tource	hat might	be helpful	for nuclear p	lant emergency
	a.	Non-nuclear utility	experienc	ce (years a	nd type of wor	k) NONE
	b.	Other				
7.	NRC	operator licenses h	eld			
	a.	BWF:	-		Active	
	b.	PWR:	RO	SRO_X	Active	Expired
	c.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				2.3	-65	250

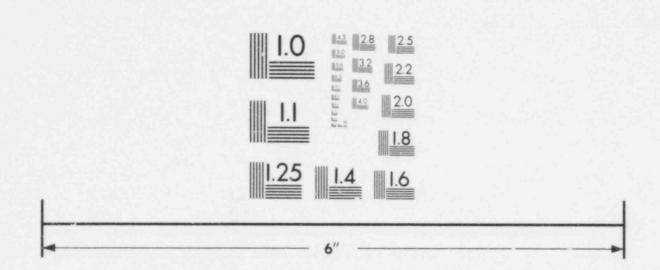
1.	NS	P Department or Plan	t P.	I.N.G.1	0.	
2.	Na	ne C.A. Schan	aches			
3.	Ti	1e /+ C 5pa	c			
4.		Degrees		Major		
					,	-
	b.	Other Nuclear Educ	ation			
					3. ×	
5.	Nuc	clear Work Experience egory)	e (list n	umber of year	ars & type of	work in each
	a.	Nuclear Navy or re	lated mil	itary nuclea	ar experience	
	b.	Utility nuclear exp	erience	BWR	PWR ~ 6	405
		8	I-I	8 C		
	C.	A/E, vendor or other	r nuclea	r experience		
		18	Marris.	- House	To It	e
		Ha	Mark	, ,		
6.		er work experience to ource	hat migh	t be helpful	l for nuclear p	lant emergency
	a.	Non-nuclear utility	experie	nce (years a	and type of wor	k)
	b.	Other				
*						
7.	NRC	operator licenses h	eld No	nuc		
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
	C +	Critical Facility or Tes'. Reactor:	RO	SRO	Active	Expired
						n 17

*	NSP	Department or Plant		Prairie	Island	
	Name	Michael B. Se	llman			
	Tit	le Senior Nuclea	r Enginee	r		
	Educ	ation				
	a.	Degrees B.S.		Major	Physics	
		M.S.E.			Nuclear Engi	neering
		-				*
	b.	Other Nuclear Educa	ation			
		Bettis Reactor Eng	ineering	School		
		seo hicense Tra	-			
						and to seek
		lear Work Experience egory)	e (list n	umber of ye	ars & type of	work in each
	a.	Nuclear Navy or re	lated mil	itary nucle	ar experience	
		Qualified in Subma	rines (SS	BN 628)		
		5 yrs Nuclear d				
		Responsible for ph and fabrication fo				core mechanical design
	b.	Uzility nuclear ex	perience	BWR	PWR_x	
		5 yrs Nuclear E Responsible for operational proc	physics t	esting, fue	l handling, su	urveillance testing,
	C +	A/E, vendor or other	er nuclea	r experienc	e	
		er work experience	that migh	t be helpfu	1 for nuclear	plant emergency
	a.	Non-nuclear utility	y experie	nce (years	and type of wo	ork)
		0.1				
	D.	Other	nton 60	Mary 1 days	A3	2-1
		2 years - Experime 1 year - Lab tech	nician, D	r. A.O.C. N	Accelerator, Mass Si	Univ. of Minnesota Dectrographic Laboratory
	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expired
	ъ.	PWR:	RO	SRO X	Active X	Expired
	c.	Critical Facility				
		or Test Reactor:	RO	SRO	Active	



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# IMAGE EVALUATION TEST TARGET (MT-3)



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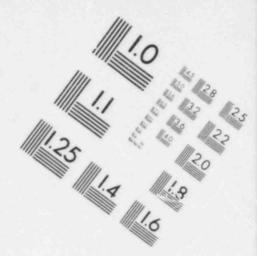
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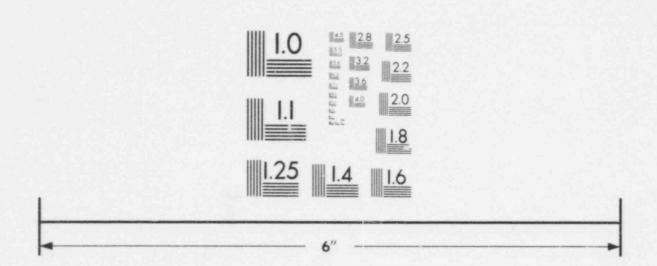
## IMAGE EVALUATION TEST TARGET (MT-3)



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## IMAGE EVALUATION TEST TARGET (MT-3)



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## IMAGE EVALUATION TEST TARGET (MT-3)



STATE OF THE STATE

OILLE STATE OILLE

			land
2. Name Franklin K	Shaffer		
3. Title Instrument	Control Spec.		
4. Education			
a. Degrees	Ma	joi	
2 Yes- 7 b. Other Nuclear Edu	Frade Sakool	Flootronic	
5. Nuclear Work Experien category)	nce (list number o	f years & type'o	f work in each
a. Nuclear Navy or r	elated military n	uclear experienc	e
b. ' ' nuclear e	experience BWR	DLTD 7	.14
		PWR 7	Ϋ́13
PI	- Isc		
c. A/E, vendor or ot	replite moderate	of plutoneum pe	oduction nuclear re
3 years miclea	a fuel faturation	,	
			r plant emergency
6. Other work experience	that might be he	lpful for nuclea	
6. Other work experience resource	that might be he	lpful for nuclea	
6. Other work experience resource	that might be he	lpful for nuclea	
6. Other work experience resource  a. Non-nuclear utili	that might be he	lpful for nuclea	work)
6. Other work experience resource  a. Non-nuclear utili  b. Other	that might be he	ars and type of	work)
6. Other work experience resource  a. Non-nuclear utili  b. Other	that might be he	ars and type of	work)
6. Other work experience resource  a. Non-nuclear utili  b. Other  7. NRC operator licenses	that might be heat ty experience (ye held	ars and type of	work)
6. Other work experience resource  a. Non-nuclear utili  b. Other  7. NRC operator licenses  a. BWR:	that might be he ty experience (ye held RO SRO RO SRO RO SRO RO SRO SRO RO SRO SRO RO SRO	ars and type of  POR  Active  Active	ExpiredExpired

1.		1100	.010	1 = 1	
	NSP Department or ant	Fra	IKIE	+3/a. a	
3.	Title Associate &	roducta	in Ergin	eer	
	Education a. Degrees 35EE				Engineering
	b. Other Nuclear Educa NUS Corporation 3gtrs. Reactor Ti	cours	se Nuc	lear Pow	ner.
5.	Nuclear Work Experience category)	e (list nut	mber of yea	rs & type of w	ork in each
	a. Nuclear Navy or rel	lated mili	tary nuclea	r experience	
	NSP - PI 4 NSP - PI 4	berience byrs - byrs -	enginee Qualit	ring Assura	ne e
	c. A/E, vendor or other	er nuclear	experience		
	115				
6.	Other work experience	that might	be helpful	for nuclear	plant emergency
6.	Other work experience resource	that might	be helpful	for nuclear	plant emergency
6.	resource	u ovnerien	co (veare a	and type of wo	rk) o
6.	resource	u ovnerien	co (veare a	and type of wo	rk) o
6.	resource	u ovnerien	co (veare a	and type of wo	rk) o
6.	resource	u ovnerien	co (veare a	and type of wo	rk) o
6.	a. Non-nuclear utility  NS? - Riversia	u ovnerien	co (veare a	and type of wo	rk) o
6.	a. Non-nuclear utility  NS? - Riversia	u ovnerien	co (veare a	and type of wo	rk) o
7.	a. Non-nuclear utility  NSP - Riversion  b. Other	y experien de - 2	co (veare a	and type of wo	rk) o
	a. Non-nuclear utility  NSP - Riversion  b. Other	y experien de - 2	ce (years a	and type of wor	rk) o
	a. Non-nuclear utility  NS? - Riversia  b. Other  NRC operator licenses	y experien de - 2	ce (years a	and type of wor	Expired
	a. Non-nuclear utility  NS? - Riversion  b. Other  NRC operator licenses  a. BWR:	y experien  le - 2  held  RO	ce (years a	Active	Expired

1.	NSP Department or ant PI
2.	Name KEN SLINGSBY
3.	Title ENGINEER
4.	Education a. Degrees BS Major EEE
	b. Other Nuclear Education
	WALTE MILL SAXTON MG9-1970
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR PWR
	1970-PRESENT
	c. A/E, vendor or other nuclear experience
	NONE
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	4 MONTHS AT NSP-RIVERSIDE
	COMPUTER TRAINING FOR W-P250
7.	NRC operator licenses held
	a. BWR: WorkERO SRO Active Expired
	D. PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.3-70

1.	NSP	Department or Pla	nt Prai	rie Island N	uclear Genera	ring Plant
2.	Name	e Allen D. Smit	h			
3.	Tit	le <u>Production</u>	Engineer			
4.		cation. Degrees <u>RSME</u>		Major	Mechanical H	Ingineering
		Other Nuclear Edu Principles of Rad Plant training. of Minnesota. Co 9-25-70) Piping Code, Section III	cation ioisotope Nuclear P mpleted N Design an , technic	Methodology ower ingines SP Basi Nuc d Fabrication al seminar	ering course it lear Course I on per ASME Bo	2-1-70) Pathfinder Atomic (4-15-69 to 6-15-69) Universit Phases I, II, III (6-12-70 to oiler and Pressure Vessel
٥.		lear Work Experien egory)	ce (list	number of ye	ars a type or	work in each
	a.	Nuclear Navy or r	e aled mi	litary nucle	ar experience	
	b.	Prairie Island Nu	Plant (9 clear Gen a of cons	-1-69 to 2- erating Plantruction, pr	L-7) General tc, Units 1 & re-perationa	Nuclear Orientation 2 (9 yrs, 8 mos) Participated 1, hydro-flush, hot ion and review.
6.	Oth	Training, Westin	ll traininghouse Deems. Foxbar Point Si	g (6-15-70 esign Lecture oro School mulator - July 1978.	to 8-7-70) Gree Services (9- (3-22-71 to 4- 11y 1976.	oup Loading and Individual -28-70 to 10-30-70) Design -2-71) Foxboro instrumentation
	a.	Non-nuclear utili Engineering Inter Chestnut Service Office.	n Program	, NSP River	side, Black D	ork) og and King Steam Plants, duction department - General
	b.	Other Completed America	n Nationa	11 Red Cross	Standard Fir	st Aid Course 7-22-76
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO_X	Active X	Expired
	C +	Critical Facility or Test Reactor:		SRO	Ac'ive	Expired
			113.31		7 3 - 71	

2.	Name	DANIEL L. ST	EMBE	e		
				and the state of t		
3.	Titl	e ENGINEER				
		ation				
	a.	Degrees 85		Major	CIVIL ENG.	<u>e</u>
		-				
	D .	Other Nuclear Educa	ation			
5.	Nuc	lear Work Experience	e (list n	umber of v	ears & type of	v - in each
		egory)	(2200 11	amout or y		
	a.	Nuclear Navy or re	lated mil	itary nucl	ear experience	
		nacioni navy or ro				
	b.	Utility nuclear exp	perience	BWR	PWR 9M	105
		RAD WASTE S	SYSTEN	1 ENOSI	NEER	
	C +	A/E, vendor or other	er nuclea:	r experien	ce	
6 .		er work experience	that migh	t be helpf	ul for nuclear	plant emergency
	a.	Non-nuclear utility	y experie	nce (years	and type of w	ork)
		4 YRS - DESI				
	D.	Other 20 4125 - 578	OCTUP	41 00	-151	
		CD 7163 - 5 / K	0010101	40 126	31012	
	NRC	operator licenses	held			
7.		BWR:	RO	SRO	Active	Expired
7.	a.					
7.		PWR:	RO	SRO	Active	Expired
7.	b.	PWR: Critical Facility	RO	SRO	Active	Expired

•

2. Name RODNEY A. STENTS 3. Title ASS'T SUPT. OF RAD 4. Education a. Degrees B.S.  b. Other Nuclear Education	Major CHEMICAL ENGINEERING  MA
2. Name RODNEY A. STENTS  3. Title ASS'T SUPT. OF RAD  4. Education a. Degrees B.S.  b. Other Nuclear Education  1) COURSES in Rad  2) Seven Day Ho  3) SRO TRAINING AT  5. Nuclear Work Experience (list number category)	MAJOR CHEMICAL ENGINEERING  MA
b. Other Nuclear Education  1) Courses in Ra  2) Seven Day Ho  3) SRO TRAINING AT  5. Nuclear Work Experience (list number category)	Major CHEMICAL ENGINEERING  Ediation Protection  St License Certification  T PINGP  Per of years & type of work in each
b. Other Nuclear Education  1) Courses in Ra  2) Seven Day Ho  3) SRO TRAINING AT  5. Nuclear Work Experience (list number category)	diation Protection of License Certification of PINGP of years & type of work in each
1) Courses in Ra 2) Seven Day Ho 3) SRO TRAINING AT 5. Nuclear Work Experience (list number category)	T PINGP .  per of years & type of work in each
1) Courses in Ra 2) Seven Day Ho 3) SRO TRAINING AT 5. Nuclear Work Experience (list number category)	T PINGP .  per of years & type of work in each
3) SRO TRAINING A7 5. Nuclear Work Experience (list number category)	T PINGP .  per of years & type of work in each
<ol> <li>Nuclear Work Experience (list number category)</li> </ol>	er of years & type of work in each
category)	
a. Nuclear Navy or related milita	ry nuclear experience
No. 1744 Alban and Town amount areas	BWR PWR
b. Utility nuclear experience	
6 years at F	Prairie Island in the protection group.
c. A/E, vendor or other nuclear e	experience group.
6. Other work experience that might be resource	be helpful for nuclear plant emergency
a. Non-nuclear utility experience	(years and type of work)
b. Other	
7. NRC operator licenses held	
a. BWR: RO S	SROActiveExpired
b. PWR: ROS	SROActiveExpired
c. Critical Facility or Test Reactor: RO S	GRO Active Expired
	2.3-73 76A 006

١.	NSP Department or Plant Prairie Island Nuclear
2.	Name Ben Stephens
	TITLE Associate Production Engineer
4.	a. Degrees BCLE Major Chemical Eng University of Mirn
	b. Other Nuclear Education Navay Muclear Power School and Prototype at Vallejo Co and Idaho Falls Idaho Presently enrolled in University of Minnesota who liate Son
5.	Presently enrolled in University of Minnesota Who luate Son for a Masters of Mechanical Engineering each Nuclear Work Experience (list number of years & type of work indeach category)
	Syears Division Officer, Reactor Control, Auxiliary, Electrical and Mechanical Divisions; Engineering Officer of the Watch and Engineering Duty Officer.
	3 years 6 months Production Engineer.
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
7.	NRC operator licenses held
	a. BWR: RO SRO Active Expired
	b PWR: RO SRO Active Expired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	7 7 74

	was a state of the
1.	NSP Department or Plant Prairie Island
2.	Name G. C. SUNDBERG
3.	Title INSTRUMENT ENGINEER
4.	Education a. Degrees BSEE Major Electrical Engineering Electrical Engineering
	b. Other Nuclear Education
	Print Toland SRO Training
	Por that License Certification, Sequerah
5	Nuclear Work Experience (list number of years & type of work in each
,	category)
	a. Nuclear Navy or related military nuclear experience
	None
	b. Utility nuclear experience BWR PWR
	Di Octivi nacical experience
	Prairie Total Farming Staff Since Oct, 1973
	Prairie Island Engineering Staff Since Oct, 1973
	Prairie Island Engineering Staff Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School
6.	Prairie Island Engineering Staff Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School
6.	Prairie Island Engineering Stork Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency
	Prairie Is land Engineering Staff Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL
	Prairie Is land Engineering Staff Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL
	Prairie Is land Engineering Staff Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL
	Prairie Is land Engineering Staff Since Oct, 1973  c. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL
	C. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)
	C. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL  b. Other  Honey will Inc. 1968-1972, Electronics Development of the property
	C. A/E, vendor or other nuclear experience Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL  b. Other  Honey Self Inc. 1908 - 1972, Electronics Oracle Rosemont Inc. 1973, Instrumentation Design  NRC operator licenses held
	C. A/E, vendor or other nuclear experience  Attended Westinghouse Rod Control School  Other work experience that might be helpful for nuclear plant rergency resource  a. Non-nuclear utility experience (years and type of work)  POOR ORIGINAL  b. Other  Honey Sell Inc. 1908 - 1972, Electronics Development of the properties of the proper

2. Na	SP Department or Plan			Is/and	
F . IAS	me Don A.	Swens	24		
3. Ti	tle IfC Spec	teilais			
4. Ec	lucation Diploma			Electronic d	Toch,
b	Other Nuclear Educ	cation			
				*	
	uclear Work Experience	ce (list n	umber of y	ears & type of	work in each
а		elated mil	itary nucl	ear experience	
ь	Prairie Isla,			PWR	
С	. A/E, vendor or oth	her nuclea	r experion	ce	
	PO	OR OR	IGINA		
			t be helpf	ul for nuclear	plant emergen
	ther work experience	that migh			
r	ther work experience			and type of w	
r	ther work experience			and type of w	
a	ther work experience esource Non-nuclear utili			and type of w	
a	ther work experience			and type of w	
a	ther work experience esource Non-nuclear utili			and type of w	
a b	ther work experience esource Non-nuclear utili	cy experie		and type of w	
a b	ther work experience esource  Non-nuclear utili	cy experie	nce (years	and type of w	ork)
a b	ther work experience esource  Non-nuclear utilia  Other  RC operator licenses  BWR:  PWR:	held RO	ence (years		Expired
a b	ther work experience esource  Non-nuclear utilia  Other  RC operator licenses  BWR:	held RO	SROSRO	Active	Expired

2 .	Name	F. Patrick Tier	ney, Jr.			
		e Plant Manager				
3.	Titi	e Tune name				
4 •	Educ a.	Degrees B. Chem En	gr (5 y~s) - 195?	Major		
	ь.	Other Nuclear Educ 1. Special course H. S. Isbin	ation in Nuclea	r Reactor	Engineering	- Univ of Minn by Professor
		2. Westinghouse R and Saxton Pe	leactor Ope Isylvania	rator Tra: - 1968-69	ining Course	- 1 year at Waltz Mill
ď						t work in each
٥.		lear Work Experience gory)	e (11st nu	mber of ye	ears & type of	work in each
	а.	Nuclear Navy or re	lated mili	tary nucle	ear experience	
	b.	and passed an Al	ine month to EC Reactor Lant Supt/M	raining a Operators igr at the	ssignment at Exam on the Prairie Isla	the Saxton Reactor of G.P.U.
	c •	A/E, vendor or oth				
6.		er work experience ource	that might	be helpfu	ul for nuclear	r plant emergency
	a.	- 8 yrs as Plant 1	Engineer in	NSP coal	fired plants	work) t a Chemical Mfg Plant. , including responsibilities i and a 600 MW Supercritical
	b.	Other - Registered	d Profession	onal Engin Nuclear Po	eer in the St wer Subcommit	ate of Minnesota tee of EEI Prime Movers.
		Currently Chairs - Current member of Plant.	man of the offs	Subcommit site Nucle	tee. ar Safety Rev	iew Committee of Kewaunee Nucl
7.	NRC	- Current NSP reproperator licenses		in the W	estinghouse -	TMI Owners Study Group.
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO X	SRO	Active	Expired_X_
	-		***********			The state of the s
	C .	Critical Facility				

	NSP Department or Plant PRAIRIE ZSLAWO
	Name PETER A. VALTAKIS
	Title SHIFT SUPERVISOR
	Education a. Degrees New Screen Major Conse Pher
	b. Other Nuclear Education U.S. NAVY NUCLEAR POWER SCHOOL - MARK ZILAWU, AIW - 1963 NSP, PRAIRIE ZILAWE, COLD SEWION LISCONSE TRANSMIS PROGRAM! - 1970-72
	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	8 YEARS. QUALIETED R.O.G. AIW, 55W , 584.
	DUA IFIE 0 5. M. A.W. C 55W ; 834
	TRAINING COONUMATER & 536
	b. Utility nuclear experience BWR PWR X
	PRE-DA TESTING, MITIAL CALTURALITY, PLANT OFFRATIONS. (2 UNIX
	c. A/E, vendor or other nuclear experience
	1 VV. VIIIIIIIIIII
	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utilit experience (years and type of work)
	NONE
	b. Other
÷	JUDIMARINE QUALIFICATION, U.S. NAVY.
	NRC operator licenses held
	NRC operator licenses held  a. BWR: RO SRO Active Expired
	a. BWR: RO SRO Active Expired

	Name William R. Waldron
	T: Instructor
•	Institution
	Eastion a. Degrees N/A Major
	a. Degrees
	b. Other Nuclear Education
	United States Nory Nuclear Power School - Bainbridge, Md.
	Nuclear Power Training Unit - Windsor Locks, Connecticut
	Prairie Island Nuclear Plant - Senior Reactor Operator Training and License
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	Qualified Mechanical Operator on USS Enterprise with 15 months as Chief
	Mechanical Operator. Six years in nuclear navy.
	b. Utility nuclear experience BWR PWR x
	Apprentice Plant Attendant for two years involving out plant operations.
	Assistant Plant Equipment Operator for 18 months involving plant opera ions
	Reactor Operator for two years working in the control room.
	c. A/E, vendor or other nuclear experience
5 .	Other work experience that might be helpfu! for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	h. Other
*	b. Other
*	b. Other
*	b. Other
7.	b. Other  NRC operator licenses held
7.	
7.	NRC operator licenses held

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2 -	Nam	ne DONNEL V	W) ALKO				
		0					
		le SHIFT Su					
٠	Edu a.	Degrees HIGH S	CHOOL.	Major			
		Other Nuclear Edu		NSI	BASIC NO		
		NSP ILAINING		m	NING AT WA		
		SEQUOYAN SIMULA	TOR		PI SED TRA		
	Z	SION SIMULATOR			45 TR. NING	***************************************	
		clear Work Experiencegory)	ce (list nur	nter of year	ars & type of	work in each	
	a.	Nuclear Navy or re	elated milit	tary nuclea	ar experience		
	b.	Utility nuclear e	xperience	BWR_	PWR		
		NORTHERN STA	TES Pou	en Co			
		PRAIRIE ISLAN	D NUC	PLANT &	PEKATION -	9 000	
	C+	A/E, vendor or oth				,	
		POOR OR	GINAL				
		er work experience	that might	be helpfu	for nuclear	plant emergency	
	å.	Non-nuclear utility FIRST AID (N.	ty experience (SP) F/	e (years of BRIG	and type of wo	TR) TINE (NSP) TRINT - 2 YR.	
	b.	NORMERN STA NSP PRIDE Other	SUPU CO	er. Co-	FOSSIL PER	ONT OPERATION -	241
*.		US ARMY -	Commi	NIC + TON	S	County Street &	
		N. T. S.	2077114				
	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO /	Activo	Expired	
	70.	PWR: Critical Facility	RO	SRO	Active	Expired	

	3.	Title PLT. SUPT. ENGR. + RAD. PROT.
	4.	Education a. Degrees BA  Major GEOLOGY  RADIOLOGICAL MEALTH  PUBLIC MEALTH
		AEC FELLOWSHIP SUMMER PROGRAM AT MRTS
		IDANO, FALLS . NSP SRO TRAINING .
	5.	Nuclear Work Experience (list number of years & type of work in each category)
		a. Nuclear Navy or related military nuclear experience
		b. Utility nuclear experience BWR 3 PWR 9 YEARS
		POOR ORIGINAL
		2 YEARS STATE RADIOLOGICAL HEALTH
	6.	Other work experience that might be helpful for nuclear plant emergency resource
		a. Non-nuclear utility experience (years and type of work)
		U.S. NAUY - 246ARS CARRIER ESSEX CUA-9
	7.	NRC operator licenses held
9		a. BWR: ROSRO Active Expired
		b. PWR: RO SRO Acrive Expired  c. Critical Facility
		or Test Reactor: RO SRO Active Expired
		2.3-81

1. NSP Department or Plant PRAIRIE ISLAND

2. Name EDWARD L. WATZL

	epartment or Plant _	PARIBIE	SLANU	
. Name	T. J. William			
. Title	14 C Specie	List		
. Educa				
b. 1	ther Nuclear Educat:	ion		
	NONE			
5. Nucl	ear Word Experience	(list number of year	ers & type'of	work in each
a.	Nuclear y or rela	ted military nuclea	ar experience	
	NONE			
b.	Utility nuclear expe	erience BWR	PWR_X	
	9 YEARS.	IfC		
c.	A/E, vendor or other	r nuclear experienc	e.	
	NONE			
		hat might be helpfu	l for nuclear	plant emergency
	er work experience to ource			
res	ource			
res a.	Non-nuclear utility			
res a.	Non-nuclear utility			
res a.	Non-nuclear utility  NA  Other			
res	Non-nuclear utility  NA  Other  NA	experience (years		
res	Non-nuclear utility  NA  Other	experience (years	and type of w	ork)
res	Non-nuclear utility  NA  Other  NA	experience (years	and type of w	Expired
7. NRC a. b.	Non-nuclear utility  NA  Other  NA  operator licenses to	experience (years	and type of w	ork)

3.0 Technical Resources (off-site)

3.1 Summary

#### 3.0 Technical Resources (off-site)

#### 3.1 Summary

The off-site technical resources are listed only for those three NSP departments that have line operating responsibility or provide technical support on a continuing basis for the nuclear generating plants. The resource personnel from these departments include Engineers, Chemists, Scientists and other categories of Professional-Technical personnel who have been associated with nuclear plant activities for NSP or during prior employment.

There are several other departments within NSP with Professional-Tachnical personnel that provide intermittent services for the nuclear plants. Personnel from these departments would be available in an emergency to provide support in heir areas of expertise.

The Protection & Electrical Maintenance Department regularly provides services to NSP generating plants in the following areas: non-radiological water chemistry analysis; physical examination of test welds for welder qualification; trouble-shocking, calibration and maintenance of electrical relays and controls; testing and maintenance of circuit breakers and transformers; and HEPA and charcoal filter testing (DOP and Freon).

The Environmental Regulatory Activities Department has a number of Professional-Technical personnel and Scienists engaged in ecological and non-radiological samiling, monitoring, evaluation and reporting activities.

The NSP External Communications Department has responsibility for communication with all media services in the NSP operating area. As a part of these responsibilities, personnel in this department have periodic contacts with NRC Public Information personnel in the I&E Regional Office.

There are also a number of Professional-Technical personnel scattered throughout NSP in supervisory and administrative positions who have significant nuclear plant operating or engineering experience for the Monticello and Prairie Island plants who could be called upon for additional support in the event of a nuclear plant emergency.

Assuming the above resource personnel can be reached at work or at home by telephone, they would be able to respond in an emergency and be available at the Monticello or Prairie Island Plant sites within a few hours. In addition to these NSP off-site resources, NSP has a number of open contracts or agreements with consulting firms or individual consultants for professional services. These consultants are used for design activities,

# 3.1 Summary (continued)

engineering analyses, independent review and audit, and other consulting services for nuclear plants. Specialists covered by these agreements should be able to respond in an emergency within 12-36 hours, depending on their location. Listed below are the more important consultants covered by professional service contracts:

Vendors

Exxon Nuclear Company General Electric Company Westinghouse Electric Company

Architect/Engineers
Bechtel Power Corporation
Fluor Power Services

Nuclear Consulting Services
Nuclear Associates International
Nuclear Services Corporation
NUTECH Corporation
NUS Corporation

Individual Consultants

Joseph A Thie - Nuclear Engineering

Dr George E McVehil, CCM - Meteorology

# 3.2 Power Production

- 3.2.1 Organization Diagram
- 3.2.2 Personnel Resume's

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PLAI

Plan

PLAN

D. N

Plan

PLAN

J.

Plan

SHERB

GEN. SUPT. GEN. SUFT PROD. GEN. SUPT. OPERATIONAL QA NUCLEAR PLANTS PLANT MAINTENANCE ells T. E. McFadden R. W. Anderson PLANT MANAGER SUPERINTENDENT SUPERINTENDENT MONTICELLO NUCLEAR OA ELECTRIC PLANT L. R. Eliason S. J. Kollmann P. H. Kamman Plant Staff 119\* QA ENGINEER ASST. ELEC. PLANT MANAGER G. T. Bart PLANT ENG. PRAIRIE ISLAND J. R. Rasmussen F. P. Tierney OPERATIONAL Plant Staff 204\* ENGINEER QA SPEC. G. M. Helmberger T. E. Harlan SUPERINTENDENT D. S. Kral NUCLEAR OPER. SERV. OPERATIONAL G. T. Goering QA SPEC. II SUPERINTENDENT P. D. Charais MTLS. & SPEC. PROC. SR. PROD. ENGINEER P. J. Krumpos J. E. Goldsmith ADMINISTRATOR ASSOC. MTLS. FUEL QA ASSOC. PROD. ENGR. & SPEC. PROC. W. L. Cottrell K. J. Albrecht ENGINEER L. L. Anderson D. J. Brosche SUPERINTENDENT ENV. REG. COMP. SR. OPER. SPEC. ENGINEER J. M. Pappenfus R. K. Rogers D. B. Hansen ASSOC. ENV SUPERINTENDENT ENGINEER ADMIN, AID B MTLE. COORDINATION D. S. Bernt D. K. LaPlant J. K. Dalland COORDINATOR SUPERINTENDENT SUPERINTENDENT ENV. RECORDS CORE ANALYSIS OVERHAUL SERVICES G. G. Hanson R. O. Anderson B. E. Roth SAFETY COORD. ASSOCIATE OVERHAUL POWER PROD. NUCLEAR ENGINEER B. R. Bastian C. A. Bonneau SUPERVISORS L. J. Berglund ENGINEERS D. H. Obermueller PROJECT SAFETY G. D. Schull SUPERVISOR L. McCarten L. E. Teat W. M. Pratt R. Streng CORE ANALYSIS TECHNICIAN D. J. Kovacs

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\*For Plant Staff See Individual Organizational Diagram

RAL MANAGER OF PRODUCTION D. E. Gilberts

GEN. SUPT.
CONVENTIONAL PLANTS
D. D. Bohn

NT MANAGER LACK DOG C. Neudauer nt Staff 121\*

IT MANAGER SH BRIDGE F. Dinville at Staff 164\*

IT MANAGER KING D. Petersons t Staff 98\*

T MANAGER VERSIDE 1. Youngdahl t Staff 169\*

T MANAGER URNE COUNTY B. Tacheny t Staff 252\* PLANT MANAGER
STEAM PEAKING & HYDRO
E. E. Crossett

PLANT SUPERINTENDENTS

G. A. Hoepner - Red Wing Plant Staff 17\*

W. E. Lundquist - St. Anthony - Plant Staff 9\*

R. T. McKaughan -Pathfinder - Plant Staff 18\* O. H. Rude - Minn, Valley

Plant Staff 19\*

R. J. Schmidt French Island Steam

Plant Staff 12\*

B. O. Theissen - Wilmarth Plant Staff 19\*

PLANT MANAGER COMBS. PEAKING & GAS PRODUCTION G. T. Olson

PLANT

SUPERINTENDENTS
E. G. Chilton - Wescott
Plant Staff 25\*
J. E. Guertin - Blue Lake Diesels - Plant Staff 17\*
D. H. Halley - W. Faribault
Chem. - Plant Staff 19\*
R. J. Schmidt - French Island
GT - Plant Staff 12\*
G. V. Tepe - Wheaton
Plant Staff 18\*
B. O. Theissen - Key City

Plant Staff
D. D. Day - Granite City
Plant Services - Supervisor

GEN. SUPT.
PRODUCTION PLANT PROJECTS
E. J. Cramolini

SUPERINTENDENT NUCLEAR PLANT PROJECTS

> PROD. PROJ. ENGR. J. F. Swedberg

ASST. PROD.
PROJECT ENGINEERS
D. W. Krech

SUPERINTENDENT CONV. PLANT PROJECTS W. L. Leno

> PRODUCTION PROJ. ENGINEER D. R. Swanberg

SUPERINTENDENT ELEC. PLANT PROJECTS J. M. Suttor

> PRODUCTION PROJ. ENGINEER R. L. Anderson

ASST. PRODUCTION
PROJECTS ENGINEER
M. A. Kraemer

PROJECT CONST.
J. G. Bollensen

CRAFT LABOR 150 TO 250 GEN. SUPT.
PRODUCTION PERF. & SERV.
A. J. Bauman

ADMINISTRATOR
PROD. BUD. & SERVICES
R. O. Berg

SENIOR POWER
PRODUCTION STAT.
C. D. Hadley

ADMIN. SPEC. A N. L. Kussmann

RECORDS CLK. A J. S. Graves

MAT. & EQUIPMENT SPEC. A S. A. Boerger

> ADM. AID A K. A. Carlson G. I. Gehlen

ADM. AID B E. A. Meade

RECORDS CLERK SR. E. M. Triemert

SUPERINTENDENT TRAINING G. D. Wright

SUPERVISOR TRAINING E. Wiens

POWER PROD.
TRAINING
COORDINATORS
R. D. Emerson
P. R. Engler
W. J. Hansen

M. E. Opem

SUPERINTENDENT PROD. PERFORMANCE W. T. Gleason

POWER PRODUCTION STATISTICIAN

> BENEFIT - OTHER ENGINEER INTERNS

W. C. Anderson

POOR ORIGINAL

	Name	Leslie L. Anderson	
7	ritl	e Production Engineer	
		ation Degrees <u>Bachelor</u>	Major Mechanical Engineering
1	b.	Other Nuclear Education	
	Nucl cate	lear Work Experience (list	number of years & type of work in each
	a.	Nuclear Navy or related mi	litary nuclear experience
	b.	Utility nuclear experience	BWR PWR X
		1975-1978 - Prairie Island 1978-1979 - Tyrone Task Fo	
	c.	A/E, vendor or other nucle	ear experience
	Othe	er work experience that mid	ght be helpful for nuclear plant emergen
			The state of the s
	resc		
	resc		ience (years and type of work)
	resc		
	reso	Non-nuclear utility experi	
	reso	Non-nuclear utility experi	
	resca.	Non-nuclear utility experi	
	b.	Non-nuclear utility experi	e, Black Dog
	b. NRC	Non-nuclear utility experi	

## RESUME

POSITION: Associate Production Engineer

NAME: Leslie Anderson

BIRTH DATE, AGE: March 2, 1949, Age-29

BUSINESS ADDRESS: Northern States Power Company

Prairie Island Nuclear Power Plant

Rural Route 2 Welch, MN 55089

PRIOR EMPLOYER: U. S. Navy

August, 1971 Received Bachelor of Mechanical Engineering Degree, with distinction, from the University of Minnesota.

Prior to graduation, worked as an intern engineer

with NSP.

September, 1971 Hired by NSP as an Engineer and was assigned to the

Results Engineering Staff at the Black Dog Steam

Generating Plant.

January, 1972 Attended U.S. Navy officer Candidate School, Newport,

Rhode Island.

May, 1972 Commissioned in U.S. Navy. Assigned USS Epperson

(DD-719), Pearl Harbor, Hawaii as Electronics

Maintenance Officer.

August, 1973 Reassigned to CINCPAC Headquarters Telecommunications

Center, Camp H. N. Smith, Hawaii

April, 1975 Discharged from U.S. Navy.

Hired by NSP as an Engineer at Prairie Island

Nuclear Plant assigned to Technical Group. Principal responsibilities included serving as backup computer

engineer.

April, 1976

Transferred to Engineering Operations group at Prairie
Island. Responsibilities included preparation and
monitoring of surveillance and maintenance procedures
and providing technical support to the Maintenance and
Operations Departments on assigned plant systems.

Assigned plant systems included Reactor Coolant System, Reactor Coolant Pumps, Safety Injection, Containment Spray and Chemical and Volume System. Responsible November, 1977

April, 1978

June, 1978

also for construction activities involving remodeling or additions to the plant buildings.

Began intensive training in operation of the Prairie Island Plant with the goal of an NRC Senior Operator's License.

Attended seven days of operator training at the Indian Point Nuclear Plant Simulator, Peekskill, New York. This included "hands on" training on a large PWR simulator. The training was conducted by Con. Ed. instructors according to an established training and examination schedule.

Received an NRC Senior Operator License

Transferred to the Tyrone Energy Park Task Force. Responsibilities include the preparation of generic operating procedure for the Tyrone Plant.

1.	NSP Department or Pla	nt Power	Production		
2.	Name Ray W. Ande	rson			
3.	Title Gen Supt Pr	oduction Pl	ant Mainter	nance	
4.	Education a. Degrees B.S.		Major _	M.E.	
	b. Other Nuclear Edu	cation			
5.	Nuclear Work Experient category)  a. Nuclear Navy or r				
	b. Utility nuclear e	xperience	BWR	PWR	_
	c. A/E, vendor or ot	her nuclear	experience	e	
6.	Other work experience resource	that might	be helpfu	l for nuclear	r plant emergency
	a. Non-nuclear utili 22.5 years opera	32. 10000000000		and type of s	work)
	b. Other				
7.	NRC operator licenses	held			
	a. BWR:	RO	SRO	Active	Expired
	b. PWR:	RO	SRO	Active	Expired
	c. Critical Facility or Test Reactor:	RO	SRO	Active	Expired
			3.2-6		761 000

Superintende	nt Core Analysis	
Title Superintende	no out manyore	
Education a. Degrees BSNE	Major	Nuclear Engineering
a. Degrees	1200	
b. Other Nuclear Educa	stion	
Nucl r Work Experience category)	e (list number of ye	ears & type of work in each
a. Nuclear Navy or re	lated military nucle	ar experience
		*
b. Utility nuclear ex	perience BWR	8 PWR 0
8 years total expernuclear fuel manage	rience in nuclear pl	ant operation and
c. A/E, vendor or other	er nuclear experienc	e .
Other work experience resource	that might be helpfo	ol for nuclear plant emergen
a. Non-nuclear utility	y experience (years	and type of work)
2 years coal plant	results engineer	
2 years coal plant	results engineer	
2 years coal plant	results engineer	
b. Other		ActiveExpired
NRC operator licenses  a. BWR:	held ROSRO	
NRC operator licenses	held	ActiveExpired

1.	NS	P Depart	ment or 21a	int Pow	er Producti	on		
2.	Na	ime	Clifford A	. Bonneau				
3.	Ti	:le	Associate 1	Nuclear E	ngineer			
4.		ucation Degree	B.S.	=	Major	Nuclear Eng	ineer	
	b.	Other 1	Nuclear Edu	cation				
,	Nu	clear Wo	rk Experien	ce (list	number of v	ears & type o	f work in each	
	ca	tegory)					211 02011	
	8.	Nuclear	Navy or r	elated mi	litary nucl	ear experience		
	D.					X FWR X		
			aryoro exp	erience in	I DOEN BWK	rwk. 4 Year	8	
	c •	A/E, ve	ndor or ot	ner nuclea	ar experienc	e		
		B&W in	the plutoni	um recycl	e unit for	2 vears		
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	Oth	er work	experience	that migh	nt be helpfu	l for nuclear	plant emergency	
	a.	Non-nuc	lear utilit	y experie	ence (years	and type of w	ork)	
	b.	Other						
	NRC	operator	licenses	held				
	a.	BWR:		RO	SRO	Active	Expired	
	b.	PWR:		RO		Active	Expired	
	c.	Critical or Test	Facility Reactor:	RO		Active		

2.	NSP Department of				
			vocanaa Pr		
3.	Title Assoc. Mat	IE. & Special P	rocesses at	ıgı.	
4	Education a. DegreesB	S		Metallurgica Materials Er	
5.	& Ohio (3) Seven f Ohio St (5) Welder	materials (inc St. U. (2) Le ull-time months . U. (4) Ultr training (sever	luded nucle vel II PT & in Welding asonic Exam al weeks) -	ear materials MT exam at g Engr (inclu- n (Level II) - Hobart Co.	courses (Part-time) - R.F.I H.A.V.T.I. (1 week) ading Nondestructive exam) at - (1 week) - Krautkramer Co. (6) Piping Design & Fabri-
					e vy materials & irradiation
	b. Utility nucl	ear experience	BWR_X	PWR X	_
	3 years supp	orting plants o	on welding,	metallurgy	inservice inspection.
	c. A/E, vendor				ostly supporting nuclear
	projects.	included 6 month	ns at Nucle	ar Plant Con.	struction Site.
6.	Other work exper	ience that migh	t be helpfu	1 for nuclea	r plant emergency
	a. Non-nuclear	utility experie	nce (years	and type of	work)
	-				
	b. Other				
		attelle Memorial materials in hot		testing spe	cial materials, including
7.	NRC operator lic	enses held			
	a. BWR:	RO	SRO	Active	Expired
	b. PWR:	RO	SRO	Active	Expired
	c. Critical Fac or Test Reac		SRO	Active	Expired
				3.2-9	764 028

NSP I	epartment or Plant	Power Pro	duction			
Name	Gerard T. Goer	irī				
Title	Supt. Nuclear Ope	rational Se	rvices			
		Majo	Mechan	ical Engineer	ing	
b.	Other Nuclear Education	n				
	West inchouse SRO Train	ning Program	A .			
Nucl	ear Work Experience ()	list number	of years &	type of work	ir each	
a.	Nuclear Navy or relate	ed military	nuclear ex	perience		
h	utility nuclear exper	ience BW	R X PV	VR X		
D.	2 wass experience at	Pathfinder	- BWR			
c.	A/E, vendor or other	nuclear exp	erience			
	2 years of staff work the utility general o	interfacin ffice	g operating	nuclear pla	nts with	
		t might be	helpful fo	r nuclear pla	nt emergeno	y
a.	Non-nuclear utility e	xperience (	years and	type of work)		
	3 years of coal plant	experience				
b.	Other					
	l year of chairman of operating procedures	a multi-ut for the SNU	ility comm	ittee that is	preparing	
NRC	operator licenses hel	ld				
a.	PWR: Saxton	RO X	SRO	Active	Expired	Х
b.	PWR: Prairie Island	RO	cold SRO X	Active	Expired	x
	Critical Facility	RO	SRO	Active	Expired	
	Name Title Educa a. b. Nucl cate a. b. NRC a. b.	Title Supt. Nuclear Ope Education a. Degrees B.S.  b. Other Nuclear Education SRO training - Pathfir Westinghouse SRO Train Prairie Island SRO Train Category) a. Nuclear Navy or relate  b. Utility nuclear experience at 6 years experience at 6 years experience at 7 years of staff work 8 che utility general of 8 Other work experience that 8 resource 9 a. Non-nuclear utility experience 9 a. Non-nuclear utility experience 1 years of coal plant  b. Other 1 year of chairman of operating procedures  NRC operator licenses here a. PWR: Saxton  b. PWR: Prairie Island	Title Supt. Nuclear Operational Section a. Degrees B.S. Major Degree Muclear Education SRO training Program Prairie Island SRO Training Program P	Education a. Degrees B.S. Major Mechan  b. Other Nuclear Education  SRO training - Pathfinder Nuclear Plant Westinghouse SRO Training Program Prairie Island SRO Training Program Nuclear Work Experience (list number of years & category)  a. Nuclear Navy or related military nuclear ex  b. Utility nuclear experience BWR X PW 2 years experience at Pathfinder - BWR 6 years experience at Prairie Island - PWR  c. A/E, vendor or other nuclear experience 2 years of staff work interfacing operating the utility general office  Other work experience that might be helpful foresource a. Non-nuclear utility experience (years and 3 years of coal plant experience  b. Other  l year of chairman of a multi-utility comm operating procedures for the SNUPPS plants  NRC operator licenses held a. PWR: Saxton RO X SRO Cold b. PWR: Prairie Island RO SRO X	Name	Name Gerard T. Goerit;  Title Supt. Nuclear Operational Services  Education a. Degrees B.S. Major Mechanical Engineering  b. Other Nuclear Education  SRO training - Pathfinder Nuclear Plant Westinghouse SRO Training Program  Nuclear Work Experience (list number of years & type of work in each category)  a. Nuclear Navy or related military nuclear experience  b. Utility nuclear experience BWR X PWR X  2 years experience at Pathfinder - BWR 6 years experience at Prairie Island - PWR  c. A/E, vendor or other nuclear experience 2 years of staff work interfacing operating nuclear plants with che utility general office  Other work experience that might be helpful for nuclear plant emergency and type of work) 3 years of coal plant experience  b. Other  1 year of chairman of a multi-utility committee that is preparing operating procedures for the SNUPPS plants  NRC operator licenses held a. PWR: Saxton RO X SRO Active Expired  b. PWR: Prairie Island RO SRO X Active Expired

#### RESUME

POSITION: Superintendent Nuclear Operational Services

NAME: Gerard T. Goering

BIRTH DATE, AGE: September 15, 1940, Age - 38

BUSINESS ADRESS: Northern States Power Company

414 Nicollet

Minneapolis, MN 55401

PRIOR EMPLOYERS: None

1963 Graduated from Iowa State University with a B.S. degree in Mechanical Engineering.

June, 1963

Started with NSP as a member of the Results
Group at the High Bridge Plant. Attended a
course in nulcear engineering offered by the
University of Minnesota. Instructed courses in
steam power engineering at Dunwoody Institute.

June, 1966 Transferred to the Fargo Plant as Results Engineer for the Fargo, Grand Forks, and Minot Steam Plants.

June, 1967 Transferred to the Pathfinder plant Results
Group. Participated in core component inspections
following shutdown of the reactor plant. Received
nuclear operations training at the plant.

January, 1969 Assigned to Prairie Island as Plant Results Engineer.
Attended the 9-month Westinghouse Reactor Training
School at Waltz Mill and Saxton, Pennsylvania.
Received an AEC Reactor Operator's License on the
Saxton reactor.

May, 1970 Observed five weeks of large PWR operation at the RE Ginna Plant.

September, 1970 Completed Phase III (8 weeks) of an NSP basic Nuclear Course.

September, 1970 Began a 6 week Westinghouse Design Lecture Series at Pittsburgh, Pennsylvania. This was a series of lectures by the designers of the Prairie Island Nuclear Steam Supply system.

- December, 1970 Began working at the Prairie Island site along with the rest of the plant Operating Department.

  Principal activities were:
  - (a) Supervision of the Operating Department's Engineering staff.
  - (b) Writing and reviewing operating and preoperational test procedures.
  - (c) Participation in additional plant system training through classroom work and plant walk-throughs.
  - (d) Instructor for NSP staff engineers and plant operators covering plant systems and nuclear operating theory.
  - (e) Represented the Operating Department on the Joint Test Group that approved all pre-operational test procedures and results of all pre-operational tests.
  - (f) Member of the site Nuclear Safety Review Committee responsible for the review of all operational and testing activities that could effect nuclear safety.
- February, 1973 Attended seven days of operator training on the Zion Plant simulator at Zion, Illinois. This included "hands on" training on a large PWR simulator. The training was conducted by Westinghouse instructors according to an established training and examination schedule.
- March, 1973 Promoted to Superintendent Engineering and Radiation Protection. This position was responsible for supervision of all Operating Department Technical Support. This consiste of chemistry, radiation protection, instruments a controls, Computer, Nuclear, System Engineering and quality assurance.
- May, 1973

  Became chairman of the Phase III test committee that approved all test procedures and test results for fuel load, reactor testing and power escalation to 100% power.
- July, 1973 Received an AEC Senior Reactor Operator's License for the Prairie Island Nuclear Generating Plant.

September, 1973 Named Principal Assistant to the Plant Manager.

June, 1976

Transferred to the General Office to present position. This position interfaces both of NSP's nuclear plants with the rest of the company in order to coordinate nuclear plant operations, maintenance and special requirements effectively.

January, 1978

Additional responsibility was assumed for supervision of the Tyrone Operations Task Force. Primary responsibility is writing operating procedures for the Tyrone Nuclear Plant. Also, presently serving as Chairman of the SNUPPS Procedure Development Group. This group's responsibility is to review and approve all operating procedures that are being written as part of the SNUPPS effort by the member utilities.

1.	NSP	Department	or Plant	Tyro	ne Task For	ce		
2.	Nam	e John	E. Goldsm	ith				
3.	Tit	le Seni	or Product	ion Engine	er			
4.	Edu a.	cation Degrees	B.S.	Ма	jor <u>Electr</u>	ical Engineer		
	b.	Other Nucle	ar Educati	on				
		Received R.	O. license ecialized	on Saxton	Reactor Reactor Pro	or Training Protection and Co		
5.		lear Work Exegory)	perience (	list numbe	r of years	& type of work	in each	
	a.	Nuclear Nav	y or relat	ed militar	y nuclear e	xperience		
	b.	Utility nuc	lear exper	ience B	WR P	WR X		
)	c.		Engin present:	eering Sup Group lead Nuclear Pl	ervisor er in proce ant	C Engineer and dure writing i		
6.		er work expe	rience tha	t might be	helpful fo	r nuclear plan	nt emergen	су
	à.	Non-nuclear	utility e	xperience	(years and	type of work)		
		1968-1969: 1976-1978:	Rate Rese	arch Depar	tment - Stu	r Engineer died alternati tion and load		t
	b.	Other						
7.	NRC	operator li	censes hel	đ				
	a.	BWR:		RO	SRO	Active	Expired	
	b.	PWR:		RO	SRO X	Active	Expired	Х
)	c.	Critical Fa or Test Rea	cility ctor:	RO	SRO	Active	Expired .	

# RESUME

POSITION Senior Production Engineer

NAME: John E Goldsmith

BIRTH DATE, AGE: December 15, 1944, Age 34

BUSINESS ADDRESS: Northern States Power Company

Prairie Island Nuclear Plant

Rural Route 2 Welch, MN 55089

February, 1968 Graduated from Iowa State University

with a B.S. degree in Electrical Engineering. Prior to graduation, worked as an engineer assistant for the U.S. Army Corps of Engineers.

March 1968 Hired by NSP as a Junior Engineer

and assigned to the Results Engineering

staff at the High Bridge Steam

Generating Plant.

April, 1969 Assigned as Engineer, Instruments

to the Prairie Island Nuclear Generating Plant and received

specialized training in preparation

for the responsibilities of this

position.

April, 1969 Began an NSP sponsored math and

physics review course in preparation for a Westinghouse Reactor Operator

Training Program.

May, 1969 Began a 9 month Westinghouse

Reactor Operator Training program.
The program included 2 1/2 months
at Waltz Mill, Pennsylvania covering
reactor control theory and operation
of the CES Training Reactor and 6
months of PWR power reactor operating
esperience at Saxton after which an
AEC Reactor Operating License on

764 034

the Saxton was earned.

February, 1970

Began a 3 month specialized course at Pittsburgh, Pennsylvania and Foxboro, Massachusetts, on reactor protection and control systems.

May, 1970

Observed 3 1/2 weeks of large PWP operation at the RE Ginna Plant.

September, 1970

Completed Phase III (8 weeks; of an NSP Basic Nuclear Course

September, 1970

Began a 6 week Westinghouse Design Lecture Series at Pittsburgh, Pennsylvania. This was a series of lectures by the designers of the Prairie Island Nuclear Steam Supply System.

December, 1970

Began working at the Prairie Island site along ith the rest of the plant operating department. Principal activities were:

- (a) Direct supervision of the Instrument and Control Specialists in the conduct of Construction and Pre-operational testing
- (b) Writing and reviewing operating and pre-operational test procedures
- (c) Participation in additional plant system training through classroom work and plant walk-throughs
- (d) Instructor for NSP staff engineers and plans operators covering plant reactor protection and control systems and plant electrical systems

March, 1971

Attended a two-week Foxboro Instrumentation School at Red Wing, Minnesota

February, 1973

Attended seven days of operator training on the Zion Plant Simulator at Zion, Illinois. This included "hands on training on a large PWR simulator. The training was conducted by Westinghouse Instructors according to an established training and examination schedule

March 1973

Promoted to Plant Engineer Technical. In this position was responsible for the supervision of the nuclear engineering section, the instrument and control section and the computer engineering system.

July, 1973

Received an AEC Reactor Operator's License for the Prairie Island Nuclear Generating Plant.

January, 1974

Received an AEC Senior Operator's License for the Prairie Island Nuclear Plant.

January, 1976

Assigned to the Rate Research
Department at Northern States Power
Company as a Senior Rate Engineer.
Principal activities were:

- (a) Responsible for preparing jurisdications and class production and energy allocation factors.
- (b) Responsible for preparing rate structure, and economic and conservation impact studies for the NSP-Minnesota Public Service Commission Advisory Panel on Peak Load Pricing Alternatives.
- (c) Responsible for rate design and cost studies for rate cases under Federal Power Commission Jurisdication.

April, 1977

Passed Minnesota EIT test and recorded as Electrical Engineering in training.

April, 1978

Passed the Minnesota professional examination and approved for the registration as a Professional Engineer in Electrical Engineering.

June, 1978

Transferred to the Power Production Tyrone Operations Task Force. Primary responsibility is writing operating procedures for the Tyrone Nuclear Plant. September, 1978

Registered as a Professional Engineer in the State of Minnesota. Registration Number 13502.

February, 1979

Registered as a Professional Engineer in the State of Wisconsin. Registration Number E-18302.

Ç,	NS	P Depar cont or Pla	nt Powe	r Production	on Department		
2.0	Na	melas B.	Hansen				
3.	Ti	tle Engineer	e includio				
4.		ucation Degrees B.S.	_	Major	Welding Te	chnology	
	b.	Other Nuclear Edu	cation				
5.	Nucas	clear Work Experien tegory)	ce (list m	number of y	ears & type o	f work in each	
	a.	Nuclear Navy or r	elated mil	litary nucl	ear experienc	e	
	b.	Utility nuclear e	kperience	BWR 1	PWR 1		
		Have worked 2 yea Inspection Activi	rs for NSI	P, most of Maintenance	this time was	spent on Inservice	
	c •	A/E, vendor or oth	ner nuclea	r experien	ce		
5.	Oth	or work ownerdance	**** -1-1				
	res	er work experience ource	that migh	t be neipf	il for nuclea	plant emergency	
	a.	Non-nuclear utilit	y experie	nce (years	and type of	work)	
			Utah State	Universit	y as a welder	, in a variety of	
	b.	Other					
	MDC	CONTRACT 14	h - 1 -				
•	NKC	operator licenses	neld				
	a .	BWR:	RO	SRO	Active	Expire i	
		PWR:	RO	SRO	Active	Expired	
	c.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	

	Tit	le Ope	rational	1 QA Speci	alist I		
	Edu	cation					
		Degrees		2.1	Majo	r	
		_					
		_		40			
- 1	b.	Other Nucl	ear Edu	cation			
						tor operator t	raining at San Onofre
				ating Plan			Dunner 1060
							Program. 1969
	W	loon Hank P				والمحاصلة والمساور	A LALLE AN AREA
		egory)	xperien	ce (list i	number of j	years & type of	work in each
-	a .					lear experience	
		1960-1964:	Machin	nist mate	on the USS	Hornet (non-n	uciear).
1	b •	Utility nu					
		1967-1969:	D1			at San Onofre	Nuclear Plant
							HOCTEST LTSHE.
		1969-1977:	Shift	Superviso	r for Prai	rie Island.	nociesi ilanc.
			Shift	Superviso	r for Prai	rie Island.	nocteal Figure.
		1969-1977: 1977-1979:	Shift Operat	Supervisorional QA	or for Prai Specialist	rie Island.	Nocical Figure
(	C +	1969-1977:	Shift Operat	Supervisorional QA	or for Prai Specialist	rie Island.	Nocical Figure
	C *	1969-1977: 1977-1979:	Shift Operat	Supervisorional QA	or for Prai Specialist	rie Island.	Nuclear Flance
	C +	1969-1977: 1977-1979:	Shift Operat	Supervisorional QA	or for Prai Specialist	rie Island.	Nuclear Flance
		1969-1977: 1977-1979: A/E, vendo	Shift Operat	Supervisorional QA	or for Prai Specialist ar experien	rie Island.	
	Othe	1969-1977: 1977-1979: A/E, vendo	Shift Operat	Supervisorional QA	or for Prai Specialist ar experien	rie Island.	plant emergency
	Othe	1969-1977: 1977-1979: A/E, vendo	Shift Operat	Supervisorional QA	or for Prai Specialist ar experien	rie Island.	
(	Othe	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea	Shift Operator or other or or other or	Supervisorional QA her nuclear that might ty experie	or for Prai Specialist ar experien	rie Island.	plant emergency
(	Otheres	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea	Shift Operator or other or other erience	Supervisorional QA  ther nuclear  that might  ty experie  equipment	or for Prai Specialist ar experien	rie Island.	plant emergency
(	Otheres	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea	Shift Operator or other or other erience	Supervisorional QA her nuclear that might ty experie	or for Prai Specialist ar experien	rie Island.	plant emergency
( I	Otheres	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea: 1964-1967:	Shift Operator or other or other erience	Supervisorional QA  ther nuclear  that might  ty experie  equipment	or for Prai Specialist ar experien	rie Island.	plant emergency
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a a	Otheres	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea: 1964-1967:	Shift Operator or other or other erience	Supervisorional QA  ther nuclear  that might  ty experie  equipment	or for Prai Specialist ar experien	rie Island.	plant emergency
b	Otherson.	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea: 1964-1967:	Shift Operator or or other erience rutility Plant steam	that might y experie equipment station.	or for Prai Specialist ar experien	rie Island.	plant emergency
b	Othereson.	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea: 1964-1967: Other	Shift Operator or or other erience rutility Plant steam	that might ty experie equipment station.	or for Prai Specialist ar experient at be helpf ence (years	ince  ful for nuclear and type of wool room operat	plant emergency work) for for Redondo Beach
b N	Otherson.	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea 1964-1967:	Shift Operator or or other erience rutility Plant steam	that might y experie equipment station.	or for Prai Specialist ar experien	rie Island.	plant emergency
b	Othereson.	1969-1977: 1977-1979: A/E, vendo er work expource Non-nuclea: 1964-1967: Other	Shift Operator or or other erience rutility Plant steam	that might ty experie equipment station.	or for Prai Specialist ar experient at be helpf ence (years	ince  ful for nuclear and type of wool room operat	plant emergency work) for for Redondo Beach
b N a a b	Othereson.	1969-1977: 1977-1979:  A/E, vendo  er work expource  Non-nuclea: 1964-1967:  Other  Operator 1: BWR:	Shift Operat r or oth erience r utilit Plant steam	that might y experie equipment station.	or for Prai Specialist ar experient at be helpf ence (years and contr	and type of wool room operat	plant emergency  ork) or for Redondo Beach  Expired

2. !	Name Paul Kamma	m	and ref		
	Title Supt Nucle	ear QA			
. 1	Education				
	. Degrees		Major		
t	. Other Nuclear Ed	ucation			
	Navy Nuclear Scho		PO.	· ·	
	operator rearring	101 10 0 0			
. N	uclear Work Experie	nce (list n	umber of y	ears & type of	work in each
а	. Nuclear Navy or	related mil:	itary nucl	ear experience	
	4 years Nuclear N				
ь	. Utility nuclear	experience	BWR_X	PWR	
	1964-1970 Dairyl 1970-1975 Vermon	and Power C t Yankee Nu	o-op c. Power C	orp.	
c	. A/E, vendor or ot	her nuclear	experience	e	
Ot	the second		4-11		
re	ther work experience	that might	be helpfu	l for nuclear	plant emergency
a	Non-nuclear utili	ty experien	ce (years	and type of wo	ork)
b.	Other				
	NSP QA Experience	1975 to pre	esent		
NR	C operator licenses	held			
a.	BWR:	RO_X	SRO_X	Active	Expired *
b.	PWR:	RO	SRO	Active	Expired
с.	Critical Facility			ACC IVE	rybited
	or Test Reactor:	RO	SRO	Active	Expired 7/A

NS	P Departm	ent or Plan	nt	Power	Production	
Na	ne S	teven J. K	ollmann			
. Ti	tleS	uperintend	ent Elect	ric Plant		
	Degrees	B.S.		Major	Electrical	Engineering
h.	Other N	uclear Educ	ert n			
	other h	ucical Mu				
	clear Work	k Experienc	e (list	number of ye	ars & type o	f work in each
a.	Nuclear	Navy or re	lated mil	litary nucle	ar experienc	e
	and deline					
D.	Utility	nuclear ex	perience	BWR	PWR	
C.	A/E, ve	idor or oth	er nuclea	r experience	-	
	er work e	experience	that migh	t be helpful	for nuclea:	r plant emer
a.	Non-nucl	ear utilit	y experie	nce (years	and type of w	work)
b.	Other	involvemen	nt with no	uclear plant	operation a	luded considerable and maintenance in
		the form (	or techni	cal support	services.	
NRC		licenses				
a.	BWR:		RO	SRO	Active	Expired
	PWR:	Facility	RO	SRO	Active	Expired
	or Test	Reactor:	RO	SRO	Active	Profess 764

	Name	Donald Krec	h				
*	Tit.e_	Asst Prod P	roj Eng				
	Educat	n					
	a. Deg	rees B.S.	-	Major	Civil Eng	-	
			_				
	b. Oth	er Nuclear Edu	cation				
		y nuclear trg					
5.	Nuclear		ce (list n	umber of y	ears & type of	work in each	
	a. Nuc	lear Navy or re	elated mil	itary nucl	ear experience		
		r Nuclear tr					
	5	rs Qualified nuclear re		se operat:	ion & maintenar	ice of navy	
		nociear re	actors				
	b. Uti	lity nuclear e	xperience	BWR	PWR_X	_	
	2 ;				SP, primarily d	lesign	
		review & pr	ocedure re	view for	lyrone.		
			her nucles	r evnerier			
	C. A/E	vendor or orl	ner nacrea	r evherren	ice		
		, vendor or oth					
	c. A/E						
	Not	e ork experience		t be helpf	ul for nuclear	plant emergency	,
5.	Other w	e ork experience	that migh		ul for nuclear		,
5.	Other wresource	ork experience	that migh				
5.	Other w	ork experience	that migh				
5.	Other wresource	e ork experience -nuclear utilis	that migh				
5.	Other wresource	e ork experience -nuclear utilis	that migh				
6.	Other wresource	e ork experience -nuclear utilis	that migh				
6.	Other wresource a. Non Non b. Oth	e ork experience -nuclear utilis	that migh				
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	Other wresource a. Non Non Non Non Non Non Non Non	e ork experience e nuclear utilis	that mighty experie	nce (years	and type of w	ork)	164

	Name	Phillip J. Krumpos
3.	Titl	le Superintendent, Materials & Special Processes
4.		Degrees B.S. Major Metallurgical Engineering
	b.	Other Nuclear Education Nuclear Reactor Technology (Univ of Minn)
5.		lear Work Experience (list number of years & type of work in each egory)
	a.	Nuclear Navy or related military nuclear experience
		None
	b.	Utility nuclear experience BWR_X PWR_X
		2½ yrs Construction QA Engr. at Monticello 2 yrs Acting Quality Engr. at Monticello 4 yrs Quality Control Engr. (P.I. & Monticello) 9 mo Supt of Materials & Special Processes
	c •	A/E, vendor or other nuclear experience
		None
6.		er work experience that might be helpful for nuclear plant emergency ource
6.		
6.	res	ource
6.	res	Non-nuclear utility experience (years and type of work)
6.	res	Non-nuclear utility experience (years and type of work)  1 3/4 yrs Test Engr. at NSP Testing Lab.
6.	res a. b.	Non-nuclear utility experience (years and type of work)  1 3/4 yrs Test Engr. at NSP Testing Lab.  Other  None
	res a. b.	Non-nuclear utility experience (years and type of work)  1 3/4 yrs Test Engr. at NSP Testing Lab.  Other
	res a. b.	Non-nuclear utility experience (years and type of work)  1 3/4 yrs Test Engr. at NSP Testing Lab.  Other  None  operator licenses held

	Name _	Laura McCar	ten			
	Title	Engineer				
	Educat					
	a. De	grees BS-NE	-	Major _	Nuclear Eng	ineering
			_			-
	h. Or	her Nuclear Edu	cation			
	0. 0.	ner nacrear bas				
					`	
	Nuclea catego	r Work Experien	ce (list t	number of yea	irs & type of	work in each
	a. Nu	clear Navy or r	elated mil	itary nucles	r e perience	
	b. Ut	ility nuclear e	xperience	BWR	PWR	- 3 2 2 2
	C. A/	E, vendor or ot	her nuclea	ar experience	9	
	0+1		that adal	at he helpfu	1 for nuclear	r plant emergency
*	resour		that mig	nt de neipid	I tor nucrea	plant emergency
	a. No	n-nuclear utili	ty experi	ence (vears	and type of v	work)
	a. 140	andcrear utill	c) experi	Juce (Jours	/ 62	
	em r					
	b. Ot	her				
		Cat Mark				
	cul.					
•	NRC op	erator licenses	held			
	a. Bu	TR:	RO	SRO	Active	Expired
	b. PV	Æ:	RO	SRO	Active	Expired
		itical Facility		_		
	or	Test Reactor:	RO	SRO	Active	Expired

	Name Terrence E.		Department - QA Section
	Title Gen. Supt. (		Assurance
	Education a. Degrees BSME	Major	Mech. Eng'r.
	b. Other Nuclear Educ	ation	
	Nuclear Work Experienc category)	e (list number of ye	ars & type of work in each
	a. Nuclear Navy or re	lated military nucle	ar experience
	None		
		nim 9	PWR 5
	b. Utility nuclear ex	perience bwk o	TWK 3
	c. A/E, vendor or oth		e
	Nuclear QA - 5 yea	rs	
*	Other work experience resource	that might be helpfu	l for nuclear plant emergency
	a. Non-nuclear utilit	y experience (years	and type of work)
	7 years plant open	ation & maintenance	& testing
	b. Other 2 years US Army		
		ant operation & maint	enance
	NRC operator licenses	held	
	a. BWR:	RO SROX	Active Expired X
	b. PWR:	RO X SRO	ActiveExpired_X
	c. Critical Facility or Test Reactor:		ActiveExpired

1	Nep	Department or Pla	ant Posse	r Division	- Power Produ	ction Dent
				DIVISION	- rower rrodu	ction bept.
2.	Nan	e Gerald H.	Neils			
3.	Tit	le Gcneral Su	pt Nuclear	Plants		
4.		cation			Land Street	
	a.	Degrees B.S.		Major	Elec Eagre	
		COR SQUEEZ-COMMON COMMON COMMO	_			
	b.	Other Nuclear Ed	ucation			
		AEC Nuclear Plan	t Supv. Sch	nool - Ship	ping port	
5.		elear Work Experience (egory)	nce (list n	number of ye	ears & type of	work in each
	a.	Nuclear Navy or	related mil	litary nucle	ar experience	
	b.	Utility nuclear	experience	BWR	PWR	
		6 years BWR	Des	sign review	- Personnel	Selection & Training
		Pathfir				ring and I&C Group.
	C.	A/E, vendor or of	her nucles	r experienc	e	
						nnel Selection ersonnel Selection
		8 years Operati	lons Manage	er - Nuclean	Plants	
6.	Oth	er work experience				Core Analysis Section) plant emergency
	res	ource				
	a.	Non-nuclear utili	ty experie	ence (years	and type of w	ork)
		4 years - Fossil	Plant Star	tup and Ope	erations Engin	neering
	b.	Other				
	Ŷ.					
7.	NRC	operator licenses	held			
				an a		The American
	8.	BWR:	RO	SRO_X	Active	Expired_x_
	b.	PWR:	RO	SRO	active	Expired
	c.	Critical Facility or Test Reactor:	RO X	SRO	Active	Expired X
				-	-	27 1 116

1.	NSP	Department or Plant	Power P	roduction		
2.		J. Mike Pappen				
3.	Titl	eSupt Environme	ntal			
4.		ation Degrees B.S.		Major _	Chemistry	
				_		
	ъ.	Other Nuclear Educat	ion			
					to at a sile of a	
5.	Nuc1 cate	lear Work Experience egory)	(list num	ber of year	rs & type of wo	ork in each
	a .	Nuclear Navy or rela	ted milit	ary nuclear	r experience	
		None				
	2.1			nim 6	PWR 1	
	b.	Utility nuclear expe 7 - Power Plant: Ra				
	C.	A/E, vendor or other	nuclear	experience		
		none				
6.		er work experience thource	at might	be helpful	for nuclear p	lant emergency
	a.	Non-nuclear utility	experienc	ce (years a	nd type of wor	k)
		12 - 7: as indicate 5: Environment	d above al, Regul	atory Comp	liance; Safety	
	b.	Other				
7.	NRC	operator licenses he	eld None			
	a.	BWR:	RO	SRO	Active	Expired
	ъ.	PWR:	RO	SRO	Active	Expired
	C •	Critical Facility or Test Reactor: .	RO	SRO	Active	Expired
				100	- ~	

NSP	Department or Plant Tyrone Task Force
Nam	ne Ray K. Rogers
Tit	le Senior Operations Specialist
	Degrees Major
b.	Other Nuclear Education
	Vocational School, Steam Engineering, Basic Electricity AC & DC General Electric - Boiling Water Reactor Technology School General Electric - Boiling Water Reactor Training School
Nuc	clear Work Experience (list number of years & type of work in each tegory)
a.	Nuclear Navy or related military nuclear experience
	None
b.	Utility nuclear experience BWR Yes PWR Yes 1968-1978: Monticello Nuclear Plant, Senior Licensed Rx Operator Control Room Operator and Shift Supervisor 1978-1979: Tyrone Task Force
c.	A/E, vendor or other nuclear experience SRO Licenses at General Electric Boiling Water Reactor Training School, applicable to Commonwealth Edison Company's Dresden II & III Reactors Six months Training School at NSP; Pathfinder Nuclear Plant
	her work experience that might be helpful for nuclear plant emergency source
a.	Non-nuclear utility experience (years and type of work)
	1955-1968: Whitney Steam Plant, St. Cloud, MN Highest position: Assistant Steam Plant Operator
b.	Other
NR	C operator licenses held
a.	BWR: RO SRO X Active Expired
b.	PWR: RO SRO Active Expired
c.	Critical Facility RO SRO Active Expired

## RESUME

POSITION: Senior Operations Specialist

NAME: Ray Kenneth Rogers

BIRTH DATE, AGE: October 4, 1930, Age - 47

BUSINESS ADDRESS: Northern States Power Company

Prairie Island Nuclear Plant

Rural Route 2 Welch, MN 55089

PRIOR EMPLOYER: Simonson's Lumber Company

St. Cloud, MN

EDUCATION: High School: Balsam Lake High School Balsam Lake, WI

Vocational Schools: Steam Engineering I and II at St.

Cloud Vocational School, St. Cloud

Electricity I, II and III at Anoka

Vocational School, Anoka, MN

Nuclear Training: Nuclear Training School at Pathfinder

Nuclear Power Plant, Sioux Falls, SD

General Electric Boiling Water Reactor Technology School at San Jose, CA

General Electric Boiling Water Reactor

Training School at Morris, IL

EMPLOYMENT:

1955-1968 Employed by Northern States Power Company at Whitney

Steam Plant, St. Cloud, Minnesota advancing from Plant

Attendant to Assistant Steam Plant Operator.

1968-1978 Employed at Monticello Nuclear Plant, Monticello, MN

holding a Senior Reactor Operator's License from

1970 - 1978.

1968-1977 Lead Plant Equipment and Reactor Operator.

1974-1976 Supervisor of Liquid and Solid Radioactive Waste Processing, including Solidification and Off-site

Shipping.

1977-1978

June, 1978

Shift Supervisor

Transferred to Power Production Tyrone Operation's Task Force. Primary responsibility is writing operating procedures for Tyrone Nuclear Plant.

	e Bruce Roth				
it	le Supt. Overhau	1 Services			
Edu	cation				
a.	Degrees B.A.E.M		Major _		
	<u>Aerospace</u> Engineerin	a Mechanics	-		
			_		
b •	Other Nuclear Educa		di sala		
	BWR Service Engine	ering Traini	ng from	eneral Liec	tric Company
	lear Work Experience egory)	(list numbe	er of yea	rs & type of	work in each
a.	Nuclear Navy or rel	ated milita	ry nuclea	r experience	
b.	Utility nuclear exp		BWR X	PWR	-
	7 years - Refueling 7 years - GE & Wes	g Outage Man tinghouse tu	agement rbine ove	erhaul super	vision
	, ,000				
C *	A/E, vendor or othe	r nuclear e	xperience		
		has miche h	a halaful	for nucleas	r clant emergency
0+1	an mark armandance t	nat might of	e neibidi	TOT HUCLES	plant emergency
	er work experience tource				
res	ource	avnerience	(veere e	nd type of	work)
		experience	(years a	nd type of	work)
res	ource	experience	(years a	nd type of	work)
res	ource	experience	(years a	nd type of	work)
res	ource	experience	(years a	nd type of	work)
res	Non-nuclear utility	experience	(years a	nd type of	work)
res	Non-nuclear utility	experience	(years a	nd type of	work)
res	Non-nuclear utility	experience	(years a	nd type of	work)
res	Non-nuclear utility		(years a	nd type of	work)
res	Non-nuclear utility Other	eld	(years a	nd type of	work)
res a. b.	Ource Non-nuclear utility Other	eld ROS			
b.	Non-nuclear utility Other  operator licenses h	eld ROS	RO	Active	Expired

764 - 051

3.	Titl	e Engineer					
•		ation Degrees B. S.		Major	Nuclear En	gineering	
		Section of the section of			-,		
	b.	Other Nuclear Educa	tion				
		ear Work Experience gory)	(list num	nber of yea	rs & type o	f work in each	
	a.	Nuclear Navy or rela	ated milit	ary nuclea	r experienc	e	
	b.	Utility nuclear exp	erience	BWR	PWR X		
		1 summer - work	at Kewaune	ee			
	C.	A/E, vendor or othe	r nuclear	experience			
		-					
	Othe	r work experience t	hat might	be helpfu.	for nuclea	r plant emergency	
	resc	ource					
	a.	Non-nuclear utility	experienc	ce (years	and type of	work)	
	b.	Other					
	D .						
		-					
		operator licenses h	eld				
		operator licenses h	eld RO	SRO	Active	Expired	
	NRC a.					Expired	

- 3.3 Nuclear Support Services
  - 3.3.1 Organization Diagram
  - 3.3.2 Personnel Resume's

ORGANIZATIONAL DIAGRAM
NUCLEAR SUPPORT SERVICES DEPARTMENT
JULY 27, 1979

1.	NSF	Department or Pla	nt Yu	elear S	Support Se	wices Dept.
2.		BERT W			V V	V
3.	Tit	le ADMINISTRA	ATOR -	PAGIAT	ONEWUIRON	MENTAL MONITORING
4.		Degrees BA		Wada	Clam-M	PROGRAMS
	4.	begrees DA		majo	Cham In	en.
	b.	Nuclear Educ Nuclear Res	utor 7	echnoli	gy-NSP	
		Radiation	tof Ra	listion	roudents-E	PA Short Course
5.		lear Work Experience	ce (list	nurber of y	rears & type of	work in each
	a.	Nuclear Navy or re	elated mil	itary nucl	ear experience	
	b.	Utility nuclear ex	perience	BWR	× PWR ×	
(130	(ory	Enveronment.	el Dam	plinga	round but	Lupes of plants.
(3)	yris !	) ose of Press	uriged	son Ch	maers (PI)	L'types of plants.
	c.	A/E, vendor or oth	er nuclea	c experien	ce	
(10	ayr.	) Supervise co	extract	of nue	lear Soins	es habaratory
1	Ų	•		,		/
6	Oth	or work ownerdance	shas melah	h h- h-1-6		
0 +		er work experience ource	that migh	t be neipi	ul for nuclear	plant emergency
	a-	Non-nuclear utilit	y experie	nce (years	and type of wo	rk)
		(21 years) - C	Lamist	* nies	obiologiet -	Water treatment Plant
		V			0	
	b.	Other	B	man		
4			ľ	UUR I	ORIGINAL	
					THAIINIS	
7.	NRC	operator licenses	held			
	a.	BWR:	RO	SRO	Active	Expired
	b.	PWR:	RO	SRO	Active	Expired
	c.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired
				3.3-3		771 000

1.	NSP Department or Plant Nuclear Support Services
2.	Name Joseph Alan GONYEAU
	Title Nuclear Safety and Technical Services Engineer
3.	Title Muclear Salety and I some
4.	a. Degrees B.S. Major Chemistry (Minors- Math, Physics)
	M.S. Chemistry (Nuclear)
	EIT Minnesota
	b. Other Nuclear Education Graduate of Bettis Atomic Power Laboratory Nuclear Plant Engineering
	School; Idaho Falls, ID
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	3 years - Power plant operations, training ( AlW prototype )
	1 year - Power plant water chemistry and health physics ( task force to develop training program for all naval nuclear proto-
	types - project engliseer and manager)
	* Qualified as EOOW, Nuclear Plant Engineer, and Shift Supervisor (AlW plant
	4. 7 years Training Supervisor (plant operations, chemistry, plant systems,
	health physics, thermal-hydraulics, nuclear engineering exp.) *,** 1.1 years Nuclear Safety&Technical Services Engr. (licensing & tech-
	nical support (Monticello and Prairie Island)
	c. A/E, vendor or other nuclear experience
	N/A
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	N/A
	b. Other  2 years - Materials engineering
	1 year - Radiochemistry and Nuclear chemistry (Graduate school courses and teaching assistant)
7.	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: RO SRO * Active Expired * (4 years licensed)
	c. Critical Facility
	or Test Reactor: ROSROActiveExpired
	3.3-4
	7.4 1056

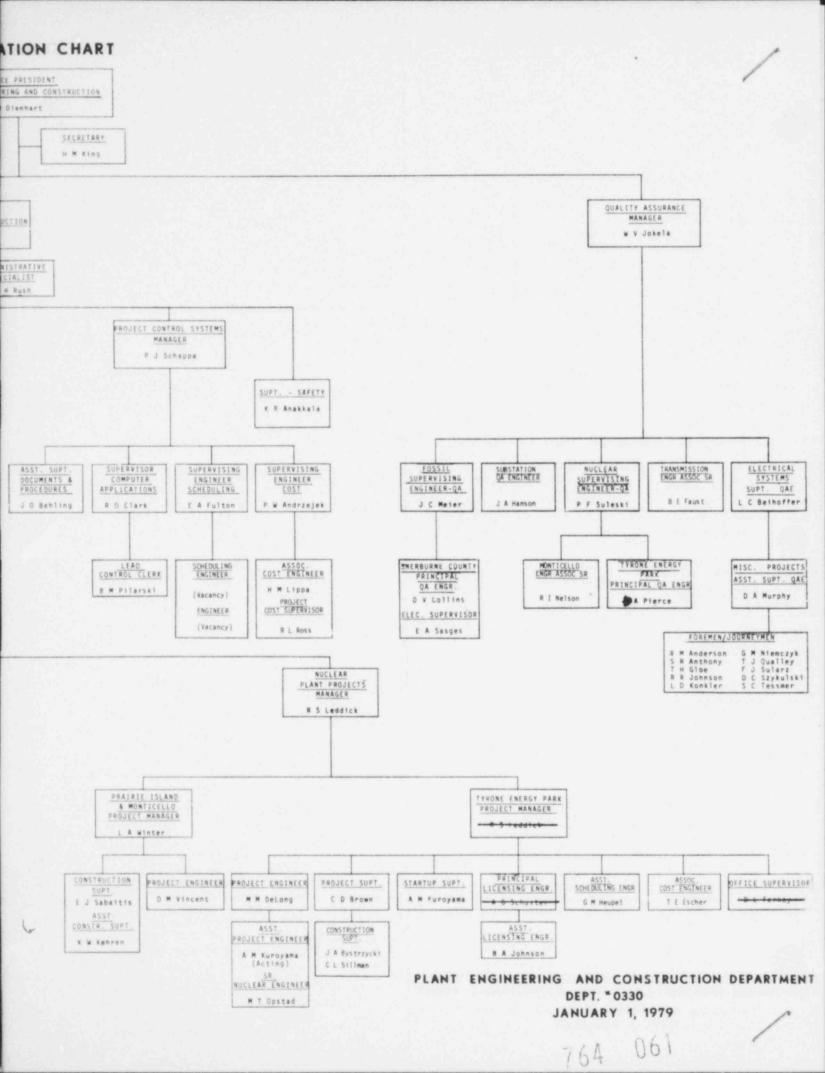
	uan n		nt or Pant	Nucl	ear Suppor	t Services D	epartment
1.	NSP De		nt or Plant				
2.	Name _		d M Musolf				
3.	Title	Nucl	ear Safety &	Technical	Services	Engineer, Sr	
4.	Educa a. D	tion egrees	MSME MSEE		Major _	Electrical E Nuclear Engi Digital Syst	neering
	b. 0	ther Nu	oclear Educat Graduate US Completed Co	Navy Nuc	lear Power Instruction	School n at US Navy	SIC Prototype Facility
5.	categ	gory)					work in each
	a. t	Nuclear	Navy or rela	ted milit	ary nucles	r experience	
			5 years -	Nuclear	Submarine	(S2W Plant).	trical Officer Qualified nd Officer of the Deck. of Watch SIC Prototype reactor
	b. 1	Utility	nuclear expe	erience	BWR_X	PWR X	-
				licensin	- NSP Nuc	ating nuclea lear Support	plant operations, r plants, technical Services Department.
	c •	A/E, ve	endor or othe	r nuclear	experienc	e	
			1 year -	Particip	ool type re	various labor esearch react	atory exercises with
6.		r work	experience t	hat might	be helpfu	l for nuclea	r plant emergency
	a.	Non-nu	clear utility	experien	ce (years	and type of	work)
			None				
	b.	Other					
			None				
7	. NRC	cerat	or licenses l	neld	None		
	a.	BWR:		RO	SRO	Active	Expired
	b.	PWR:		RO	SRO	Active	Expired
	c.		al Facility	RO	SRO	Active	Expired
					3.3-	.5	764 05

		Department or Plant			support	Services	
2.	Name	E.C. (A)	) Wa	rd			
3.	Tit	e Mar Nucle	ar En	viron,	Svs		
4.	Educ a.	Degrees Bach,		Major _	Elec. E	ingra	
	b.	Other Nuclear Educa	tion				
	0,	ak Ridge Scho	of loo	Reactor	Techno	logy (193	57-58
5.		lear Work Experience	(list nu	mber of yea	rs & type of v	work in each	
	a.	Nuclear Navy or rel	ated mili	tary nuclea	r experience		
	staf	Engra - Proj.  Adm.  F Engra Mam  A/E, vendor or other	Mamt. Mamt. Lic Muclear	BWR X - 6 yrs - 5 "  * Req.) .  ar. Environ experience	(Pathfind (PI + Mons 5yrs 4nds	er)	
	n	OOR ORIGIN					
6.		er work experience tource	hat might	be helpful	for nuclear p	olant emergency	
	a.	Non-nuclear utility Substation			and type of wor	rk)	
	b.	Other					
						764	058
7.	NRC	operator licenses h	eld				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO	Active	Expired	
	с.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	

## 3.4 Plant Engineering & Construction

- 3.4.1 Organization Diagram
- 3.4.2 Personnel Resume's

#### ORGANIZ FLANT ENGINE POOR ORIGINAL GENERAL MANAGER PLANT ENGINEERING AND CONST C J Tice ADM 53 TECHNICAL SERVICES MANAGER F H Fahlen ADMINISTRATOR LEAD SUPERV. ENGR. FFICE SERVICES G Yanagita R E Hessian PLANT BETTERMENT SPECIAL PROJECTS METALLURGICAL NUCLEAR ENVIRUNMENTAL MECHANICAL SUPERVISING SUPERVISING SR. SUPERVISING SUPERVISING ENGINEER ENGINEER ENGINEER ENGINEER ENGINEER ENGINEER ENGINEER V Jensen R L Hertzberg P A Johnson 8 E Tam R 5 McGinnis N L Ledeboer H Harmsen ADMINISTRATIVE AID MECHANICAL ENGR CIVIL ENGINEER ELECTRICAL NUCLEAR ENGR D J Biegler H A Jaehne P N Backes P D Colgan R K Pond ENGINEER ENGR ASSOC SR ASSOC. RECORDS CLERK MECHANICAL ENGR N C Edighoffer C J Granlund J K Poucher Anderson A Simich FIELD ENGINEER G W Gunther ENGINEER D. J. Fetzner SR. LONSTR SUPT FOLLOWING PERSONNEL ARE TEMPORARILY ASSIGNED TO POWER PRODUCTION DEPT. J V Sullivan CONSTRUCTION SUPT. J & Bollensen J E Carlson J A Kocur SHERBURNE PROJECT MANAGER ASST. CONSTR. SUFT. J & Kettner R w Olson WELDING SUPERVISOR P S Engler SHERBURNE COUNTY 1 & 2 PROJECT ENGINEER J R Zylkowski PROJECT COST SUPERVISOR PROJECT ENGINEER SCHEDULING ENGR PROJECT SAFETY SUPERVISOR PPOJECT SUPT A E John.on R H Vagts i. K. Norgaander w M Fract T E Marks CONSTRUCTION SUPT PROJECT ENGINEER J.E. Sturm SENERAL NOTES STARTUP SUFT Personnel listed alphabetically under each job title; A R Jensen ENGRG AID SH 2. FINS and contract personnel not listed. OFFICE SUPERVISOR W A Changy 8 E Larson 764 060 3.4-2



1.	NSP I	Department o	r Plant	Plan	t Engi	neering s	Construct	ion
		Lowell						
						Electrical	Systems	
	Educa	ation Degrees B					Engineering	3
	b.	Other Nuclea			r Tech	nology		
5.	cate	gory)				ars & type of	_	
	a.	Nuclear Nav	y or relate	d milit	tary nucle	ar experience	0	
			POOF	R OR	IGINA	L		
	b.	Utility nuc	lear experi	ence	BWR	PWR 3		
		superclays an	d Tested	field	crews	who cali	brated prot	retire
	C +	A/E, vendor	or other r	nuclear	experienc	e 0		
6.		er work expe	rience that	t might	be helpfu	l for nuclear	plant emergency	,
	a.	Non-nuclear	utility e	xperien	ce (years	and type of w	ork)	
		19 - 1	Protection	rela	y desi	in, opera	tion & Tost	. 143
	ъ.	Other						
7.	NRC	operator 1	censes hel	d A	Vone			
	а.	BWR:	R	0	SRO	Active	Expired	
	b.	PWR:	1	0	SRO	Active	Expired	
	С.	Critical Fa		0	SRO	Active	Expired	
					3.4-3		764	062

SP Department or Plant Plant Engineering and Construction	
Title Assistant Nuclear Engineer	
Tete Assistant nuclear engineer	
ducation Degrees BSNE Major Nuclear Engineering	
Degrees BSNE Major Nuclear Engineering	
o Other Nuclear Education	
NONE	
휴식하는 많은 하는 것은 사람이 가는 것이 하는 것이 없는 것이 없는 것이 없다.	
Nuclear Work Experience (list number of years & type of work in each	
category)	
Nuclear Navy or related military nuclear experience	
NONE	
. Utility nuclear experience BWR X PWR X	
BWR - Less than 1 year - Small projects	
PWR - Two years - Review of specifications, drawings, bid evaluat	ions
design for proposed 1100 MWe plant	, 5,13 \$
A/E, vendor or other nuclear experience	
NONE	
Other work experience that might be helpful for nuclear plant emergen	су
resource NONE	
Non-nuclear utility experience (years and type of work)	
NONE	
. Other NONE	
NONE	
NRC operator licenses held	
a. BWR: NONE ROSROActiveExpired	
. PWR: NONE RO SRO Active Expired	-
or Test Reactor: RO SRO Active Expired	

764 -065

2 .	NSP Department or Plant			A	
3.	Title Project Supt				
4.	Education a. Degrees <u>B.SMech.</u>	Eng.	Major		
	b. Other Nuclear Educat:	lon			
5.	Nuclear Work Experience	(list number	of years	& type of wor	k in each
	category)				
	a. Nuclear Navy or relat	ed military	nuclear	experience	
	b. Utility nuclear expensions Prairie Island Nucl	ear Plant -	5turs.	CONSTRUCTION	, Mech Sup't & Project Sup
	Monticello Nuclear P. PATHFINDER Nuclear P. c. A/E, vendor or other	LANT	1/2 yr	ConsTRUCTION	CONST. Supt
	POOR ORIGI				
6.	Other work experience the resource	at might be	helpful f	or nuclear pla	nt emergency
	a. Non-nuclear utility	experience (	years and	type of work)	
	b. Other				
7.	NRC operator licenses he	ld			
7.			A	ctiveE	xpired
7.	a. BWR:	ROSRO		ctiveE	

.1.	NSP Department or Plant Plant Eng. a const. Dept.
2.	Name Max M. De Long
	Title Project Engineer
	Education a. Degrees BS  Major Agricultural Eng  MS  Phd  Nuclear  ""
	b. Other Nuclear Education
	POOR ORIGINAL
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	Monagement of engineering activities for NSPS Tyrone Project (a SNUPPS unit) 1974-1919 (5 yrs)
6.	Promeer Service & Engineering (now Floor Power Service)  1971-1974 (~ 2/2 yrs) as Incensing engineer and containment pressure and temperature transient temperature.  1969-1971 Reactor operator, I awa State Univ. uTR-10 (10kw) veactor.  Other work experience that might be helpful for nuclear plant emergency resource
	General mechanical engineering work at Battelle Memorial Inst. 1969-1968 (Kyrs)
	b. Other Soil sampling - U.S. Army 1/2 years 1962-1969
7.	NRC operator licenses held POOR ORIGINAL
	a. BWR: RO SRO Active Expired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: RO SRO Active Expired

1.	NSP Department or Plant PLANT ENGINEERING & CONSTRUCTION
	Name WILLIAM DE SANTO
3.	Title CIVIL ENGINEER
4.	Education a. Degrees BCE Major (IVIL ENGINEERING
	b. Other Nuclear Education
	POOR ORIGINAL
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b. Utility nuclear experience BWR PWR
	Zyrs. experience as inspecting Civil Engineer at Prairie Island Nuclear Gen. Plant. Inspecting work meant watching and measuring the Contractor's work so that they complet with the Grawings and specifications.  c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)  3yıs experience as inspecting Civil Engineer at Sherburne  County Fossil Generating Plant  4 yrs experience as Civil Engineer in Technical Service Dept.  b. Other doing small designs and A/E review.
	b. Other doing small designs and his
	NPC anarator licenses held
7.	PO SPO Active Expired
	no cpo Activo Evnired
	b. PWR: RO SRO Active Expired
	or Test Reactor: RO SRO Active Expired
	2.4-7

2	. Nar	ne Carl E	. Harmsen					
3	. Ti	le Superv	ising Engi	neer, Met	allurgical			
4		Degrees	BSME M.S. MET.	ENG.	Major	Mechanical E		
	b.	NSP cou	clear Educ rse on nuc Certifica	lear reac	tor operat	lon. Member o	f ASME Subcommitt	tee on
5.		lear Work	Experienc	e (list n	umber of ye	ears & type of	work in each	
	а.	Nuclear	Navy or re	lated mil	itary nucle	ear experience		
	b.		nurlear ex ars - Plan				BWR & PWR plants	
	c.	Six yea		essure ve	r experiencessel fabric		g nuclear reactor	
6.	res	ource Ex	perienced ort notice	as welder	and could	l for nuclear qualify as ASM and type of wo	plant emergency Œ Code welder on	
	b.	Other						
7.	NRC	operator	licenses	held				
	a.	BWR:		RO	SRO	Active	Expired	
	b.	PWR:		RO	SRO	Active	Expired	. 06
	c.	Critical or Test R	Facility Reactor:	RO	SRO	Active	Expired	164

1. NSP Department or Plant Plant Engineering & Construction Dept.

1.	NSP	Department or Pl	ant Pla	At En	wiring 1	Construction	
2.		ne Aller R	0 100	7	The state of the s	Construction	
3.		le Start-O	Su,	06			
4.	Edu a.	Degrees BS M	15	Major	Hoch B	ngn	
	b.	Other Nuclear Ed	ucation				
5.		lear Work Experie	nce (list	number of y	ears & type of	work in each	
	a.	Nuclear Navy or	related mi	litary nucl	ear experience		
					_		
	b.	Utility nuclear	experience	BWR	PWR_		
	Wi		ther nucle fauc. f	ar experien	ce through	Start Up + testing	
6.		er work experience	e that mig	ht be helpf	ul for nuclear	plant emergency	
	a.	Non-nuclear util:	ity experi	ence (years	and type of w	ork)	
	wo	rted on co	us truck	ion + 54	art up o	1. Sheno 122	-
		4 years					
	b.	Other		P	OOR ORK	GINAL	
7.	NRC	operator licenses	s held				
	a.	BWR:	RO	SRO	Active	Expired	
	ъ.	PWR:	RO	SRO	Active	Expired	
	C.	Critical Facility or Test Reactor:	RO	SRO_	Active	Expired	068
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NSP	Department or Plan	t Plant	Enginesri	ng and Constr	uction Dept.	
	Aulden E. Ja					
Titl	le Project Engin	ear				
Educ	Degrees B.E.E.		Major	Electrical Eng	pinaring	
b.	Other Nuclear Educ Nuclear Reactor To Westinghouse Pro Westinghouse Pro Rediction Safet	schnology ssuringed essuringed	Water Rea	ictors 1970	tu 1968	
	lear Work Experiencegory)	e (list n	umber of ye	ears & type of w	work in each	
а.	Nuclear Navy or re	lated mil	itary nucle	ear experience		
b.	Utility nuclear es Electrical Engine Instrumentation	nering Des	7 - 4	PWR 4 year	r's	
С.	A/E, vendor or oth	ner nuclea	r experien	ce		
	POOR	ORIGI	NAL			
	er work experience ource	that migh	t be helpf	ul for nuclear p	plant emergency	
a.	Non-nuclear utility  9 years  Electrical Engineer  Instrumentation				digital computer a	pplicati
b.	Other					
NRC	operator licenses	held No	ne			
	BWR:	RO	SRO	Active	Expired	
b.	PWR:	RO	SRO	111111111111111111111111111111111111111	Expired	
	Critical Facility			The second second	764	069
c.	or Test Reactor:	RO	SRO	Active	Expired	

	6								
*	1.	NSP I	Department or Plan	· Plant	Engir	leering of	Construct	ion	
			Bruce Alle		-	0			
)	3.	Title	· Associati	e hicen	SingE	reneer			
	4.	Educa	ation			화하다 사다.			
		a.	Degrees BS		Major	Nuclear	Engineering		
		b. (	The Ruclear Educ General Electri	ation					
							9 0		
	5.		ear Work Experienc gory)	e (list num	ber of y	ears & type of	work in each		
		a. !	Nuclear Navy or re	lated milit	ary nucl	ear experience			
					and a	~			
		D. I	Itility nuclear ex	Power Co	BWR	PWR X	-		
		2.6	COOK Nuclear	Pront		2	r 1	51 1 D	
		Pr-	experational and	ears	o testin	S. Recutor :	tentup testing	5, sort on NICI	
			(see attribed s	reet)					
		C . /	A/E, vendor or oth	er nuclear	experien	ce			
			POOR OR	IGINAL					
	6.	Other	work experience	that might	be helpfo	ul for nuclear	plant emergency	7	
		a. N	Non-nuclear utility	experienc	e (years	and type of w	ork)		
					750		7000		
		b. 0	Neb						
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	7.	NRC o	perator licenses 1	neld					
		a. B	WR:	RO	SRO	Active	Expired		
,		b. P	WR:	RO	SRO	Active	Expired		
		c. C	ritical Facility						
		0	r Test Reactor:	RO	SRO	Active	Expired	Service 1	
					3.	4-11		164	

B A Johnson (cont'd)

5.b Northern States Power Company

Analytic analysis of the Prairie Island reactors using computer modeling-core analysis - 1.5 years

Nuclear licensing for Tyrone Energy Park - 2 years

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-60				1 EN	GINCERIN	6 \$ Constan	(1100)
2.	Name _	IV. V. JOX	ELA				
3.	Title	MANAGER	-QuA	4174 4	884XANCE		
4.	Educat:	ion grees 3 19ET	EN6R6	Major			
	b. Ott	her Nuclear Educ	ation				
5.	Nuclear	r Work Experiencery)	e (list nu	umber of yea	ars & type of s	work in each	
	a. Nu	clear Navy or re	'ated mili	tary nuclea	ar experience		
						ron	current
	h. 111	ility nuclear ex	nariance	BUD /2	PLID //		
)	/k	Detallingical won destroy  Office	fice ble	examin			
		E, vendor or other			2		
		PAAR (	RIGIN	AL			
6.	Other v	work experience	that might	be helpful	for nuclear p	olant emergency	
	a. Nor	n-nuclear utility	y experien	ce (years a	and type of wor	rk)	
		into Six ye					
	b. Oth	ner			*		
7.	NRC ope	erator licenses l	neld		į.		
	a. BWF	R:	RO	SRO	Active	Expired	
	b. PWF	t:	RO	SRO	Active	Expired	
		tical Facility Test Reactor:	RO	SRO	Active	Expired	072
				2 0 -	13	Expired	

Education a. Degrees BCE Major Civil Engineering  b. Other Nuclear Education Introduction to Nuclear Power Yearly Badge Training  Nuclear Work Experience (list number of years & type of work in each category)  c. Nuclear Navy or related military nuclear experience N/A  b. Utility nuclear experience BWR X PWR X New Construction - PWR - 6 years Modification, New Const. on Operating PWR, Outage Support - 3 years Modification, New Const. on Operating BWR, Outage Support - 3 years C. A/E, vendor or other nuclear experience Cornell Hydro Plant Demolition & Rebuilding - 2 years  Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work) N/A  b. Other Masonery Construction - 7 years Farm Work - 10 years  NRC operator licenses held	Stitle Assistant Construction Superintendent  Education a. Degrees BCE Major Civil Engineering  D. Other Nuclear Education Introduction to Nuclear Power Yearly Badge Training  Nuclear Work Experience (list number of years & type of work in each category)  E. Nuclear Navy or related military nuclear experience N/A  D. Utility nuclear experience BWR X PWR X New Construction - PWR - 6 years Modification, New Const. on Operating PWR, Outage Support - 3 years Modification, New Const. on Operating BWR, Outage Support - 3 years  E. A/E, vendor or other nuclear experience Cornell Hydro Plant Demolition & Rebuilding - 2 years  Other work experience that might be helpful for nuclear plant emergency resource  1. Non-nuclear utility experience (years and type of work) N/A  D. Other Masonery Construction - 7 years Farm Work - 10 years  RC operator licenses held	Name Kr	rl Wm. Kehren				
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a. Non-nuclear utility experience (years and type of work)  N/A  b. Other  Masonery Construction - 7 years  Farm Work - 10 years  NRC operator licenses held  a. BWR:  RO SRO Active Expired	Non-nuclear utility experience (years and type of work)  N/A  Other  Masonery Construction - 7 years Farm Work - 10 years  WRC operator licenses held	Cor	ell Hydro Plant Dem	olition & Rebu	ilding - 2 y	ears	
a. Non-nuclear utility experience (years and type of work)  N/A  b. Other  Masonery Construction - 7 years  Farm Work - 10 years  NRC operator licenses held  a. BWR:  RO SRO Active Expired	Non-nuclear utility experience (years and type of work)  N/A  Other  Masonery Construction - 7 years Farm Work - 10 years  WRC operator licenses held						
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b. Other  Masonery Construction - 7 years Farm Work - 10 years  764  NRC operator licenses held  a. BWR: RO SRO Active Expired	N/A  Other  Masonery Construction - 7 years Farm Work - 10 years  764		k experience that m	night be helpfu	il for nuclea	ar plant emergen	су
Masonery Construction - 7 years Farm Work - 10 years  764  NRC operator licenses held  a. BWR: ROSROActiveExpired	Masonery Construction - 7 years Farm Work - 10 years  764		uclear utility expe	erience (years	and type of	work)	
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NRC operator licenses held  a. BWR: ROSROActiveExpired  D. DUR: ROSROActive_Expired	WRC operator licenses held			7 years		5 Z A	0
a. BWR: ROSROActiveExpired		Fari					0
b DUD. BO SPO Active Fredred	BWR: ROSRO Active Expired	Fari					
b. PWR: RO SRO Active Expired			tor licenses held				
and the same of th	PWR: RO SRO Active Expired	NRC oper		SRO	Active	Expired	

3. Ti	tle Startup Superi					
4. Ed	lucation	ntendent				
			Major	Electrical	Engineering	
b.	Other Nuclear Edu	cation				
	Bettis Reacto		ring School			
5. Nu ca	clear Work Experience tegory)	ce (list r	number of y	ears & type o	f work in each	
a.	Andreas and A as as					
	3.5 years - SIW Pr	rototype M	Modificatio	n - Electrica	1/Instumentation	
	.5 years - Traini	ing Coordi	nator - SI	W Nuclear Pow	er Training	
b.	Utility nuclear ex		BWR	PWR		
	4 years - Electric 4.5 years - Projec 2.5 years - Startu	t Enginee	r - Prairi	e Island Nucl	ear Generating Plant	
c.	A/E, vendor or oth	er nuclea	r experien	ce		
6. Oth	ner work experience	that migh	t be helpfo	ul for nuclear	r plant emergency	
а.	Non-nuclear utilit	y experie	nce (years	and type of v	work)	
b.	Other					
	3.0 years - Instrument and mon	mentation nitoring e	and Contro equipment)	ol of missile	systems (Ground contro	)1
	3.0 years - Standar	rds Subcon	nmittee men	ber - IEEE SC	4 on Auxiliary Power	System
7. NRC	operator licenses	held				714
a •	BWR:	RO	SRO	Active	Expired	
b.	PWR:	RO	SRO	Active	Expired	
c.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	074
			3.4	1-15	64	

1.					Engineer	ing and Cons	truction Department
2.			E. Larse				
3.	Tit	le Supe	ervisory N	uclear 1	ngineer		
4.		Degrees	BSNE		Major	Nuclear Eng	ineering
	b.		uclear Educa is Radwast		ng Semin	ars	
5.		lear Wor	k Experience	(list nu	umber of ye	ers & type of	work in each
	a.			- Startu Refuel	ip Engine ling Supe ruction D		Submarines lear Submarines Nuclear Submarines
	b.		nuclear exp cs - Licen - Proje		BWRX	PWR_X	
	c.	A/E, ve	ndor or othe	r nuclear	experienc	e	
6.		er work o	experience t	hat might	be helpfu	l for nuclear p	plant emergency
	a.	Non-nuc	lear utility	experien	ce (years	and type of wor	rk)
	b.	Other	Five year	active	duty as	commissioned	officer - U. S. Navy
7.	NRC	operator	licenses h	eld None	9		
	a.	BWR:		RO	SRO	Active	Expired
	b.	PWR:		RO	SRO	Active	Expired
	c.	Critical or Test	Facility Reactor:	RO	SRO	Active	Expired
					3	.4-16	764 075

	NCD D		Din	T ENCH	esping + con.	cro.voras)	
	^			JI ENGIN	edicing Con.	STICOG (UK)	
	Name KoTh						
3.	Title MAN	AGER, 1	Une LEAR	PLANT	PRAIECTS		
4.	Education a. Degrees	B.S. B.S. M.S.		Major	MECH . ENGL	DETRIALS (U.S. NAVA	AC ACAO 240. 50-100
	b. Other Nu.	clear Educ	ation FOATO	TOR (S-	-w) , IDAHO	FALLS - U.S. NALY	1957
5.	Nuclear Work category)	Experienc	e ist n	umber of ye	ars & type of	work in each	
	COMM	ANDUS OF	1000 - US	S SARGO ( S SWARDF KAUDHA	ar experience SSAJ ST3) - ISH (SSAJ FA) - EHA (SSBAJ 642) DOWENT TRANSIAGE (	Z 412.	3 Y#S.
					UD -4 YRS		
	MAA	SET MANA	CLEMA AU	ROWE END	rs - 4 yrs.	YR.	
		ONE		POOR	ORIGINA		
6.	Other work ex resource	operience	that migh	t be helpfu	l for nuclear	plant emergency	
	a. Non-nucle	ear utilit	y experie	nce (years	and type of wo	rk)	
		JONE					
	b. Other	enves A	S AN I	OFFICER,	U.S. NAVY ,	PRIMARLY IN	
7.	NRC operator	licenses	held				
			RO	SRO	Activo	Evnired	
						Expired	
	b. PWR:	F	RO	SRO	Active	Expired	
		leactor:	RO_ CASILATOL	, S-1-W .	EXPIRED.	Expired	76

1.	NS	P Department or Pla	nt Pla	nt E	ngr. E C	onstr. (G	0)
2.	Na	me John C.	MEI	ER	0		
3.	Ti	tle Suprv. Er	ign -	QA			
4.	Ed	Degrees B.S.	-		Civil E	ingr.	
	b.	Other Nuclear Edu	cation				
		POOR OI	RIGINA	<b>IL</b>			
5.	Nu	clear Work Experience tegory)	ce (list n	number of y	ears & type o	of work in each	
	a.	Nuclear Navy or re	lated mil	litary nucl	ear experienc	e	
	b.	Utility nuclear ex	perience	BWR_>	PWR X	_	
		- ATTAC	HED -				
	c •	A/E, vendor or oth	er nuclea	r experien	ce		
6.	Oth	er work experience source	that migh	t be helpf	ul for nuclea	r plant emergency	
	а.	Non-nuclear utilit	y experie	nce (years	and type of	work)	
		- ATTACH	ED-				
	b.	Other					
		п					
7.	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO			Expired	
	C.	Critical Facility or Test Reactor:	RO			Expired_	
					4-18		077



## NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 58401

John C Meier, Supervising Engineer - QA, Fossil

### EDUCATION

Wisconsin State University at Platteville - Bachelor of Science, Civil Engineering

### LICENSES AND REGISTRATION

Professional Engineer - Minnesota - No. 11637 Wisconsin - No. E18733 North Dakota - No. 2109

### EXPERIENCE SUMMARY

Mr Meier joined Northern States Power Company in February 1968 as an Engineer in Plant Engineering and Construction Department. He has over 11 years experience in various capacities during the construction and modification of Company nuclear and fossil facilities.

Prior to joing NSP, he was employed as an Engineer with the Industrial Risk Insurers (formerly Factory Insurance Association) where he inspected industrial facilities to assure their compliance with fire protection codes.

## DETAILED EXPERIENCE RECORD

## JOHN C MEIER

May 1964 to February 1968 Industrial Risk Insurers

Field inspection of industrial facilities for compliance with fire protection codes. Independent evaluation of fire protection piping, supply, supporting systems, and the acceptance and maintenance testing.

February 1968 to July 1968 Northern States Power Company

Field Engineer for civil construction and inspection activities at the Allen S King fossil plant, and the nuclear Prairie Island Units I and II.

July 1968 to March 1972 Quality Assurance Engineer - Civil, for program surveillance and audit during construction of the Prairie Island Nuclear Units I and II.

March 1972 to July 1974 Principal Quality Assurance Engineer responsible for administration of the Quality Assurance programs during modification of the Monticello Nuclear Plant's Off-Gas System, and construction of the Sherburne County fossil plant's Unit I.

July 1974 to Present Supervising Engineer - Quality Assurance, Fossil; responsible for the development and administration of Quality Assurance programs, their budgets and staffing during construction and modification of fossil facilities. Projects include Sherburne County Units I, II and III, Riverside, High Bridge, and Black Dog.

1.	NSP Department or Plan	Plant	Engine	ering + Co	natruation De	pt.
	Name Melford T.					
	Title Sv. Nuclea					
	Education	4				
4.	a. Degrees BS		Major	Math-Scien Nuclear E	es Education	
	b. Other Nuclear Educ Two Extension Nuclear React	CANNER	from U	niversity of Id	Isbin Univ. of	Minn
5.	Nuclear Work Experienc category)	e (list nu	mber of y	ears & type of	work in each	
	a. Nuclear Navy or re	lated mili	tary nucl	ear experience		
	b. Utility nuclear ex	perience	BWR_	PWR		
5	nticello off Gas Minticello off Gas Minticello off Gas Minupps Design Coor	d/we libe	Cion			
	POOR	ORIGI	NAL			
6.	Other work experience resource	that might	be help	ful for nuclea	r plant emergency	
	a. Non-nuclear utilit	y experien	nce (years	and type of	work)	
	b. Other					
7.	NRC operator licenses	held				
	a. BWR:	Ru	SRO	Active	Expired	
	b. PWR:	RO	SRO	Active	Expired	
	c. Critical Facility or Test Reactor:	RO	SRO	Active	Expired	
			3 4	-21		r 03

4.	Education
	a. Degrees BS Chem ENG Major Chemical ENGINEERING
	b. Other Nuclear Education  Sewion Academ Openations Micews-c - PRANIE ISLAND 1976
5.	Nuclear Work Experience (list number of years & type of work in each
	a. Nuclear Navy or related military nuclear experience
	POOR ORIGINAL
	b. Utility nuclear experience BWR PWR 8 years  CONSTRUCTION (STRAT UP)  OPERATING  Design/Construction Tyrone 3
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)  2 years - Operation AT Possic Purms
	b. Other
7.	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: ROSRO_X ActiveExpired_1979
	c. Critical Facility or Test Reactor: ROSROActiveExpired
	3.4-22

. . . NSP Department or Plant PMWT FW6 + COWST.

2. Name DAVID A PIERCE

1.	NSP Department or Pla	ne Plant	Ena. + G	oust.
2.	Name Russell		7	
	Title Electrical			
3.		Engineer		
4.	a. Degrees 3.5.	Majo:	Electrical	Engineering -
	b. Other Nuclear Edu	cation		
5.	Nuclear Work Experiencategory)	ice (list number of )	rears & type of	work in each
	a. Nuclear Navy or r	elated military nucl	ear experience	
	POOR OR	IGINAL		
	b. Utility nuclear e	experience BWR	PWR V	retrical and I&C
		sign Review, El		
	c. A/E, vendor or ot	her nuclear experien	ce	
6.	Other work experience resource	that might be helps	ul for nuclear	plant emergency
	a. Non-nuclear utili	ty experience (years	and type of w	ork)
	b. Other			
7 .	NRC operator licenses			
	a. BWR:	ROSRO	Active	Expired
	b. PWR:	ROSRO	Active	Expired
	c. Critical Facility or Test Reactor:	ROSRO	Active	Expired
		7.4	1-23	#ZA 082

	1.	NSP Department or Plant PLANT ENG. & GNATRUCTION
		Name EUGENE J. SABAITIS
0		TIELE CONSTRUCTION SUPT.
	4.	Education a. Degrees 85 MS MBA Major EE BUSINESS
		NAVY NUCLEAR POWER PROCRAM
	5.	Nuclear Work Experience (list number of years & type of work in each category)
		NUCLEAR NAVY: FORMAL SCHOOLING PROTOTYPE TRAINING  / YEAR ON BOARD EXPERIENCE
		NSP 5 YEARS ENGINEER WE/GONSTRUCTION
		WESTINGHOUSE 4 YEARS STARTUP
	6.	Other work experience that might be helpful for nuclear plant emergency resource  a. Non-nuclear utility experience (years and type of work)
		b. Other POOR ORIGINAL
	7.	NRC operator licenses held
		a. BWR: RO SRO Active Expired
		b. PWR: ROSROActiveExpired
		c. Critical Facility or Test Reactor: RO SRO Active Expired
		3.4-24 764 08

1.	NSP	Department or Plant	Plant E	ngineering	& Construction	on	
2.		Curtis L Sillman					
3.	Titl	e Construction Sup	t.				
4.	Educ a.	ation Degrees B.S.		Major	Civil Enginee	ering	
	b.	Other Nuclear Educa	tion				
		Company sponsored	seminars				
						(a. aaab	
5.		ear Work Experience	(list n	imber of ye	ars a type of	work in each	
	a.	Nuclear Navy or rel	lated mil:	itary nucle	ar experience		
	b.	PWR-4 years Constru- -3 years Engine	uction-Pr	airie Islan	nd Nuclear Ger	nerating Plant	
		BWR-1 year Constru	ction & E	ngineering	Management- N	Monticello Nuclea	r Gen. Plan
	c •	A/E, vendor or other	er nuclea	r experienc	e		
6.		er work experience tource	that migh	t be helpfu	l for nuclear	plant emergency	
	2.	Non-nuclear utility	y experie	nce (years	and type of w	ork)	
		5 years Constructi	on experi	ence on la	rge Fossii Fu	eled Generating P	lants
	b.	Other					
7.	NRC	operator licenses	held				
	a.	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO	Active	Expired	
	с.	Critical Facility or Test Reactor:	RO	SRO	Active	Expired	084
						- TA	00

1.	NSP	Department or Plant	Plant	Engine	ering & Co	nstruction :	Dept.
2.	Name	· Peter F S	uleski	PE	9		
3.	Tit	le Supervising	Engine	cer Qual	ity Assura	nce Nuclea	-
4.	Edu a.	Degrees BS		Major	Marine En	dineering decadas ele	ectives
5.	Nuc	Various techniques  Construction,  Papulsian Place  of PWRs a  lear Work Experience egory)	hnical	ond ma , refueling so comme struction umber of year	reial hucke	haul of Name or plants in terminal.	lated to val puclear the area
	a. b.	Ship Yard Man In Chamical Dec Utility nuclear extension, to Grant Managed Site Grant Mana	e Isla	and refue	Son Francis rhicipated (E	souther 1s/A so Bay A soup Systems southers southers of Island of operations	hodifications (aval operation)
	C *	A/E, vendor or other	er nuclear	r experience	е		
				POOR	ORIGINA	L	
6.		er work experience to	that might	t be helpfu	l for nuclear	plant emergency	
	а.	Non-nuclear utility USN Achive	Daty A	nce (years	and type of wo	ork) Offen AD-1	107 (Prestoil
	ь.	Contaminated from Chemic	Collatal Spent	resin (9 ntamina)	n mant (pm.) Hons 2300 him of Si	ject) in trans curies) according to the second	in of smaleted sw).
7.	NRC	operator licenses					
	a •	BWR:	RO	SRO	Active	Expired	
	b.	PWR:	RO	SRO	Active	Expired	
	c .	Critical Facility or Test Reactor:	RO	SkJ	Active	Expired	4 085
				2	1 11		

. *	1.	NSP Department or Pla	nt flanT	Engineer	ring + Con	sTruction
	2.	Name ErnesT M	Suronen			
,	3.	Title ConsTrucTion	n Superi	nTendenT		
	4.	Education a. Degrees <u>Rach</u> , o	£ Eng	Major	civil	
		b. Other Nuclear Edu	acation			in discourt delicated referred
	5.	Nuclear Work Experience	nce (list n	umber of ye	ars & type of	work in each
		a. Nuclear Navy or 1	related mil	itary nucle	ar experience	
		b. Utility nuclear		pi.m.	DLTD /	
						ion March 1969 To Sept 1972
		Construction Sup	erinTendan7	HonTicel	o security s	45 Tem. March 1978 To March 19
		c. A/E, vendor or ot	ther nuclea	r experienc	e	
		PC	OR OF	RIGINA		
	6.	Other work experience resource	e that migh	t be helpfu	l for nuclear	plant emergency
		a. Non-nuclear util:	ity experie	nce (years	and type of w	ork)
						1972 To April 1977.
		Construction Sup	T. Variou	s modific	alion proje	ecTs April 1977 To Present.
		b. Other				
	7.	NRC operator licenses	s held			
		a. BWR:	RO	SRO	Active	Expired
		b. PWR:	RO	SRO	Active	Expired
		c. Critical Facility or Test Reactor:	y RO	SRO	Active	Expired
					- 27	
				,		

1.	NSP Department or Plant PLANT ENGINEERING AND CONSTRUCTION DESIGNATION
2.	Name BRUSE E. TAM
3.	Title Supervising ELECTRICAL ENGINEER
4.	Education a. Degrees BSEE Major ELECTRICAL ENGINEER
	b. Other Nuclear Education
	POOR ORIGINAL
5.	Nuclear Work Experience (list number of years & type of work in each category)
	a. Nuclear Navy or related military nuclear experience
	b Watter water min no no /
	b. Utility nuclear experience BWR PWR \  4 4 4 5 OF WORK IN THE CONSTRUCTION AREA OF CONTROL & INSTRUMENTATION
	WORKED AT PRAIRIE ISLAND WHOLF PLANT PLACED IN SERVICE.
	c. A/E, vendor or other nuclear experience
6.	Other work experience that might be helpful for nuclear plant emergency resource
	a. Non-nuclear utility experience (years and type of work)
	b. Other
	o. Other
7.	NRC operator licenses held
	a. BWR: ROSROActiveExpired
	b. PWR: ROSROActiveExpired
	c. Critical Facility or Test Reactor: RO SRO Active Expired
	2.4-25

	1.	NSP Department or Plant PLANT ENGINEERING & CONSTRUCTION (038)
	2.	Name RICHARD H VAGTS
'		Title Sr. Scheduling Engineer
		Education a. Degrees BS MS Major Mechanical Engineering Mechanical Engineering
		b. Other Nuclear Education
		Introduction to Nuclear Power - NSP Prairie Island - 1973
	5.	Nuclear Work Experience (list number of years & type of work in each category)
		a. Nuclear Navy or related military nuclear experience
		POOR ORIGINAL
		b. Utility nuclear experience BWR PWR
)		JUL71 - FEB75 => ~4 yrs @ Prairie Island
		Construction 3 Status
		c. A/E, vendor or other nuclear experience
	6.	Other work experience that might be helpful for nuclear plant emergency resource
		a. Non-nuclear utility experience (years and type of work)
		1415 - planning I schooleding - dessisting in planning, coordinated,
		Gualified as Engineering Office of the Water - light I heavy cruisers
		- Some augmenting consulty control training & apparione
		The state of the s
	7.	
)		a. BWR: ROSRO Active Expired
		b. PWR: ROSRO Active Expired
		c. Critical Facility or Test Reactor: RO SRO Active Expired
		3.4-29 764 080

1.	NSP	Department or Plan	t Plant	Enginearin	ng & Construction	n			
2.	Name	Dale M Vincent							
3.	Tit	le Project Engineer	r						
4.	Edu a.	Degrees B.Sc.		Major	Nuclear Enginee				
	b.	Other Nuclear Educ	cation						
		Westinghouse SNUPP Zion Simulator (1		lning (3 we	eeks)				
5.	Nuclear Work Experience (list number of years & type of work i, each category)								
	a.	Nuclear Navy or re	elated mili	tary nucle	ear experience				
	b.	Utility nuclear ex	perience	BWR X	PWR K				
		Field Engineer Prairie Island (1½ years) Licensing Engineer (2 years) Project Engineering (plant modifications) (3½ years)							
		A/F vendor or oth	or nuclear	evnorion					
		University of Wisconsin Nuclear Reactor Laboratory Neutron activation analysis (part time for 1 year)							
-		Teaching assists							
<ol> <li>Other work experience that might be helpful for nuclear plant experience</li> </ol>						lant emergency			
	a.	Non-nuclear utilit	y experier	ice (years	and type of wor	rk)			
	b.	Other							
7.	NRC	operator licenses	held						
	a.	BWR:	RO	SRO	Active	Expired			
	b.	PWR:	RO	SRO	Active	Expired			
	c.	Critical Facility or Test Reactor:		SRO	Active	Expired			

2 •	Name Lynn A. Winter
3.	Title Project Manager
4.	a. Degrees B.S. C.E. Major Civil Engineering
	POOR GRIGINAL
5.	Nuclear Work Experience (list number of years & type of work in each category) 2 Years as Project Manager for modification projects at Operating nuclear Power Plants a. Nuclear Navy or related military nuclear experience  None
	2 Years as project Manager for modification projects at the Prairie Island (PWR) Plant and the Monticello (BWR) Plant.  c. A/E, vendor or other nuclear experience  None
6.	2 Years as Project Manager for modification projects at the Prairie Island (PWR) Plant and the Monticello (BWR) Plant.  c. A/E, vendor or other nuclear experience  None
	2 Years as Project Manager for modification projects at the Prairie Island (PWR) Plant and the Monticello (BWR) plant.  c. A/E, vendor or other nuclear experience  None  Other work experience that might be helpful for nuclear plant emergency resource 8 Years in Construction administration  a. Non-nuclear utility experience (years and type of work)  5 Years as Construction Sapt. and Project Manager for fossil plant modification  b. Other
	Other work experience that might be helpful for nuclear plant emergency resource 8 Years in Construction administration.  Non-nuclear utility experience (years and type of work)  5 Years as Construction Sart. and Project Manager for fossil plant modification.  b. Other  NRC operator licenses held
	2 Years as Project Manager for modification projects at the Prairie Island (PWR) Plant and the Monticello (BWR) plant.  c. A/E, vendor or other nuclear experience  None  Other work experience that might be helpful for nuclear plant emergency resource 8 Years in Construction administration  a. Non-nuclear utility experience (years and type of work)  5 Years as Construction Sapt. and Project Manager for fossil plant modification  b. Other

3.5 Individual Consultant Resume's

TITLE: Safety Audit Committee Member, and Consultant

NAME: Joseph A. Thie

BIRTH DATE AND AGE: Dec. 15, 1927 and 50

PRIOR EMPLOYERS:

## Educational 1944 - 1952

Attended University of Notre Dame and University of Chicago and received Ph. D. in nuclear physics.

Taught physics at the University of Notre Dame and the University of Dayton.

Post-doctoral AEC fellowship award for nuclear research at the Cornell University.

Registered Professional Engineer in the state of Wisconsin, registration number E-16864

## Argonne National Laboratory 1953 - 1960

Held Q-clearance for classified R&D in nuclear power

Member of the design and safety testing teams of the first BWR, BORAX and subsequently of the EBWR

Authored papers and U.S. delegate to the Second International Conference on the Peaceful Uses of Atomic Energy at Geneva, Switzerland

Numerous research projects and publications including:
Chemical control
Reactor stability and kinetics problems
Thoria power reactor design and zero power experiments
Heavy water reactor design
Commercial power reactor design

Authored book, "Heavy Water Exponential Experiments Using  ${\rm ThC}_2$  and  ${\rm UO}_2$  .

# McLain Rodger Associates 1960 - 1961

Partner in consulting firm specializing in nuclear power and including the following activities:

Wrote startup test proceedures for the Elk River reactor,

Reviewed bids for he Atomkraftkonsortiet Krangede's reactor in Stockholn, Sweden

## Independent Consultant 1961 - 1978

Member of the plant Safety Committees of the following reactors:

Elk River (Chairman)
Pathfinder
Enrico Fermi
LaCrosse BWR (Chairman)
Monticello
Prairie Island

Participated in the safety testing of the following reactors including procedure writing and review, test data collection, and the analysis and reporting of data:

Elk River
ML-1
Pathfinder
Enrico Fermi
N.S. Savannah
Tarapur
LaCrosse BWR
EBR-II
Monticello
Prairie Island
Palisades
Calvert Cliffs

following sources:

Author and/c. co-author of the following books: Reactor Noise The Technology of Nuclear Reactor Safety

The Technology of Nuclear Reactor Safet Nuclear Reactor Instrumentation

Extensive publications in the nuclear literature including the

Nuclear Safety
Reactor Technology
Nuclear Technology
Nuclear Science and Engineering
Transactions of the American Nuclear Society
Annals of Nuclear Energy
Progress in Nuclear Engineering
U.S. Government laboratory publications

Assisted in the design of power reactor monitoring instrumentation at the following:

> Milletron Corp. Westinghouse Corp. Allis-Clamers Corp.

Gave seminars, short courses, and extended courses at the following institutions:

Atomics International
Commonwealth Edison
University of Illinois
University of Tennessee
AB Atomenergie Sweden
Atomic Energy Establishment - Trombay, India
Kernforschungsanlage - Julich, Germany
Illinois Institute of Technology
Purdue University
Reactor Centrum Nederland, The Netherlands
University of Michigan
University of Minnesota
University of Chio
University of Wisconsin

Consulted in the design and/or construction of the following reactors:

A proposed Babcock and Wilcox advanced steam-cooled reactor

The Tarapur power reactors

A proposed Safety Test Facility of the Argonne National Laboratory

Paper author and U.S. delegate to the Third International Conference on the Peaceful Uses of Atomic Energy a' Geneva, Switzerland

Member of corporate management advisory committees for:
Allis-Chalmers - in their nuclear assessment of a German firm
Oak Ridge National Laborotory - in the assessment of the Instrumentation and Controls Division

Conducted studies for the Electric Power Research Institute on monitoring for purposes of enhanced plant availability

Collaborated with Hokkaido University, Japan on nuclear safety information storage and retrieval

Participated in operating pressure optimization studies at the Argonne National Laboratory

Active in the American Nuclear Socity

Participated in seminars and conferences held for the benefit of the Advisory Committee on Reactor Safety

### PROFESSIONAL RESUME

George E. McVehil, Ph.D. Certified Consulting Meteorologist P.O. Box 4480 Boulder, Colorado 80306

PH: (303) 444-5243

Dr. McVehil has over 20 years of professional experience in meteorological research and application. His primary field of specialization is in atmospheric turbulence and diffusion. His major research work has been in wind distributions in the lower atmosphere, diffusion of air pollutants, weather phenomena related to the Great Lakes, and environmental impact of industrial activities.

During the past nine years, Dr. McVehil's work has related almost exclusively to air pollution meteorology and environmental effects of power generation and other industrial operations. As Manager of Ball Brothers Research Corporation's environmental analysis services, and since 1974 as a private consultant, Dr. McVehil has supervised and performed numerous studies in air pollution modeling, environmental monitoring and data analysis, and power plant atmospheric impacts. He is the author of more than fifty papers and reports, including more than twenty reports on cooling tower plume behavior and atmospheric effects of cooling systems. Dr. McVehil has directed or personally conducted studies and analytical investigations of cooling system effects for the power industry, government agencies, and cooling system manufacturers.

Dr. McVehil has performed analyses, prepared reports, and given testimony in support of licensing activities for a variety of electric generating facilities. He has consulted on more than twelve nuclear plant sites, over 30 fossil plants and gas turbine installations, in addition to numerous other projects involving mining, refining, smelting, highway construction, etc. He has testified on air pollution and cooling system effects before Pollution Control Agencies, the Nuclear Regulatory Commission, and in court proceedings.

Dr. McVehil is a Certified Consulting Meteorologist, having received this designation upon satisfaction of all requirements set by the Board for Certified Consulting Meteorologists of the American Meteorological Society. He is a Director and past President of the National Council of Industrial Meteorologists.

### Education

B.A.	Physics, 1958, Washington and Jefferson College	
B.S.	Meteorology, 1957, Massachusetts Institute of Technolog	y
M.S.	Meteorology, 1958, Massachusetts Institute of Technolog	y
Ph.D.	Meteorology, 1962, Pennsylvania State University	

### Experience

Private Consulting Meteorologist.

Consultation, analysis, reports, and testimony for private industry and governmental agencies. Primary service areas are in air pollution, environmental impact, and meteorological influences on industry. Licensing activities for power generation including nuclear and fossil stations.

Ball Brothers Research Corporation, Environmental
Systems Group (Formerly Sierra Research Corporation,
Environmental Systems Division), Manager, Technical
Services.

Responsible for overall management of BBRC's meteorological and air quality monitoring, and consulting services activities. Provided technical leadership for consulting service contracts and air quality impact analyses. Provided specialized consultation to power industry and industrial clients, including testimony and Final Consulting Reports. Project manager on major research and consulting service contracts.

1969-1970

EGGG, Inc., Environmental Services Operation, Manager,
Technical Services.

Responsible for management and technical direction of
field services and research contracts ir air pollution,
weather modification, and applied meteorology. Performed
direct research on government contracts, as well as
report and proposal preparation, and technical supervision of all service contracts.

Ornell Aeronautical Laboratory, Inc., Research
Meteorologist, and Head, Dynamic Meteorology Section.

Basic and applied research in atmospheric diffusion and turbulence, air-sea interactions, weather phenomena related to the Great Lakes, weather modification, wind tunnel modeling of meteorological flows, radar meteorology, and meteorological influences on military weapons and operations. Principal Investigator on more than ten research contracts.

POOR ORIGINAL

1958-1962

Pennsylvania State University: Graduate Assistant (1958-1960), Instructor (1960-61), Research Assistant (1961-1962).

As Graduate and Research Assistant, performed research on wind structure and turbulence in the planetary boundary layer. As full-time instructor in Meteorology, taught under-graduate courses in dynamic meteorology, thermodynamics of the atmosphere, applications of statistics to meteorology, and synoptic meteorology.

### Organizations

American Meteorological Society - Certified Consulting Meteorologist

Royal Meteorological Society (Foreign Member)

Air Pollution Control Association

National Council of Industrial Meteorologists ("resident 1976-7)

Sigma Xi (elected 1958)

### Publications

Panofsky, H. A. Blackadar, A. K., and McVehil, G. E., 1960: The diabatic wind profile. Quart. J. Royal Met. Soc., 86, 390-398.

McVehil, G.E., 1964: Wind and temperature profiles near the ground in stable stratification. Quart. J. Royal Met. Soc., 90, 136-146.

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## Partial List of Consulting Clients and Reports

George E. McVehil, Certified Consulting Meteorologist

## Consulting Clients 1972-1978

American Society of Mechanical Engineers
Black & Veatch Consulting Engineers
Commonwealth Edison Company
Flatiron Companies, Boulder, Colorado
General Atomic Company
Interstate Power Company (Iowa)
Illinois Power Company
Kaiser Engineers
Marley Company
Northern States Power Company

Pacific Gas and Electric Company
Public Service of Indiana
Public Service of New Mexico
Public Service of Oklahoma
Sargent and Lundy Engineers
State of Colorado
State of Idaho
State of Minnesot - Copper-Nickel Project
The Research Corporation of New England (TRC)
U.S. Energy Research and Development Admin.
Wisconsin Power and Light Company

### Consulting Reports

- 1970: Evaluation of Cooling Tower Effects at Zion Nuclear Generating Station
- 1971: Atmospheric Effects of Cooling Tower Plumes Sherburne County Station, Northern States Power Company
- 1972: Atmospheric Effects of Evaporative Cooling Towers LaSalle County Station
- 1972: Atmospheric Effects of Dry Cooling Towers Gulf General Atomic Company
- 1972: Air Quality Estimates: Blue Lake Turbine Site
- 1974: Atmospheric Effects of Plant Cooling System: Sibley County Generating Plant
- 1974: Stack Gas Dispersion Analysis: Northern States Power Company, Sibley County Generating Plant
- 1974: Cooling Tower Plume Behavior: Diablo Canyon Nuclear Generating Station
- 1975: Environmental Rep rt Sections: Marble Hill Station, Public Service of Indiana
- 1975: Atmospheric Impact of Closed-Cycle Cooling Systems: Will County and Joliet Stations, Commonwealth Edison Company
- 1975: Calibration and Validation of Cooling Tower Plume Models
- 1976: Air Quality and Cooling System Effects, Sherburne County Units 3 and 4, Northern States Power Company
- 1976: Analysis of Plateau-Valley Meteorological Effects Marble Hill Nuclear Site
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- 1977: Air Quality Impact Elk River and Sherburne County Generating Stations, Black & Veatch Engineers
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- 1977: Assessment of Cooling Tower Effects Carroll County Station, Sargent & Lundy Engineers
- 1977: Evaluation of Mathematical Model Predictions of Cooling Tower Plumes, Northern States Power Company
- 1977: Background Air Quality: Sherburne County Generating Plant, Northern States Power Company
- 1978: Atmospheric Effects of Cooling Tower Operation Byron Nuclear Cenerating Station, Sargent & Lundy Engineers
- 1978: Background Monitoring for Total Suspended Particulate, Northern States Power Company

Environmental Report, Safety Analysis Report, and licensing application contributions have been prepared in addition to the above for a number of proposed plant sites. Testimony has been presented before many agencies and boards, including Nuclear Regulatory Commission, U.S. Environmental Protection Agency, and state pollution control agencies.