

SUNFLOWER ELECTRIC POWER CORPORATION RESPONSIBILITY OUTLINE

Position Title	Generation Engineer	Date	January, 2010
Department	Generation Engineering	Pay Status	Salaried
Reports To	Mgr, Generation Engineering, Env	FLSA Category	Exempt
Location	Holcomb Station	EEO Category	2

SUMMARY

Evaluate, recommend, and coordinate projects intended to optimize plant performance, reduce costs, and increase equipment life and reliability. Provide advanced and highly innovative technical engineering support to contractors and company personnel as needed.

ESSENTIAL RESPONSIBILITIES

Engineering

Perform advanced engineering applications for professional support of Generation Engineering Department.

Monitor and evaluate operations data and issue required reports and analysis to plant management.

Coordinate with the Maintenance Department in recommending improvements and changes that are designed to optimize plant performance, reduce costs, and increase equipment life and reliability.

Technical Support

Establish and maintain communication with Manager, Generation Engineering, Environment and technical and other staff in all departments, as needed, to ensure proper work continuity is planned, scheduled, and completed in an efficient manner.

Perform equipment inspections, plant walk downs, and plant improvements.

Assist with troubleshooting activities including mechanical failures and electrical problems utilizing plant PLCs and SCADA system to assist in the process.

Project Management

Initiate contact with vendors, contractors, and other industry contacts to coordinate efforts to investigate and solve problems and complete upgrades or modifications.

Maintain an awareness of Sunflower's finances and the impact of operational expenses, maintenance expenses, and capital projects.

Implement Generation Department objectives, assist with planning and budgeting, conduct economic evaluations, and effectively organize and communicate this information to management.

Company Representative

Establish and maintain professional interactions with employees within Sunflower and with contractors, regulators, and industry contracts. Represent Sunflower's interests in engineering matters that may be varied and complex in nature. Provide technical support, direction, and supervision of maintenance personnel, contractors, and other vendors.

Safety

Maintain safety awareness and comply with all safety policies, practices, and procedures to assure a safe working environment. Properly wear and care for applicable safety gear and/or equipment required. Identify and communicate unsafe conditions to supervisor, co-workers, and the Safety Department and/or correct or assist in resolving safety concerns and issues. Must understand and comply with the Clearance Procedure as applicable.

Culture

Demonstrate a commitment to Sunflower's culture and core values of technical competency, respect and dignity, accountability, integrity, trustworthiness, and servant leadership to empower or otherwise enable others to optimally perform their job responsibilities. Demonstrate and promote ethics and behaviors consistent with Sunflower's culture, Board policies, and business practices.

Other Responsibilities

As assigned or required to support Sunflower's mission and operations.

QUALIFICATIONS

Education and Experience

Bachelor degree in engineering from an ABET accredited institution.

Three years relevant power plant experience preferred.

Knowledge, Skills, Abilities

Working knowledge of commonly accepted operating processes, operating systems, and local, state, and federal regulations regarding the operation of a power plant.

Able to read and interpret one-line diagrams, control schematics, vendor drawings, specifications, and other records or documents pertaining to projects and system modifications.

Able to work in and around high temperatures, pressure, heights, voltages, and large rotating equipment.

Written, verbal, and interpersonal communication skills at the level required to successfully perform the essential responsibilities of the position.

Able to operate computers and associated programs, including Auto CAD, at the level required to successfully perform the essential responsibilities of the position.

Other

Must possess and maintain a valid driver's license.

Able to travel to all Sunflower sites and attend training and meetings out of state as needed.

Must be able to work outside of normal working hours to support Generation Departments.

Professional Engineer license is preferred.

Physical and Mental Demands

See Physical and Mental requirements sheet.

This outline is not all inclusive but rather serves as a general overview of the current business needs. Experience guidelines are not the sole basis for awarding this position and substitutions may be made as they relate to the essential functions, duties, and responsibilities of this position.

**SUNFLOWER ELECTRIC POWER CORPORATION
PHYSICAL AND MENTAL REQUIREMENTS**

Position Generation Engineer II - Holcomb

Date December, 2009

Physical Tasks and Exposure

For the following, indicate if the task or exposure during a typical shift is:

O = Occasional (<10% of time); **S** = Sometimes (26-50%); **F** = Frequently (51-75%); **R** = Regularly (>75%)

O	S	F	R	Task/Exposure	O	S	F	R	Task/Exposure
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Standing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lifting/Lowering: <10 pounds
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Walking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11-30 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Climbing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31-50 pounds
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Bending	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	51-75 pounds
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crouching	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>75 pounds
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Twisting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reaching above Heights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Carrying: <10 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Confined spaces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11-30 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Variable weather	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31-50 pounds
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cold	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	51-75 pounds
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Heat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>75 pounds
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dampness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Noise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pushing/Pulling: <10 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dust/Dirt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11-30 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ionizing radiation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	31-50 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chemicals--skin	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	51-75 pounds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chemicals--lungs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>75 pounds
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Repetitive--wrist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Repetitive--elbow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments

Ability to travel as needed and respond to emergency situations outside regular work hours.

Audio-Visual

For the following, check if essential to the position

- Hearing: Must be able to hear and respond to overhead paging and electronic communication.
- Vision: Good or correctible vision is necessary to read text and computer screens.
- Color discrimination: Ability to discern colors on computer screens, wiring, and printed materials.
- Depth perception: _____
- Other: _____

Mental Requirements

For the following, check if essential to the position

- Sense of urgency
- Works alone
- Concentration
- Other
- Multiple tasks
- Independent judgment
- Proper reasoning
- Repetition

Other

For the following, check if essential to the position

- Chest X-Ray
- Spirometry
- PT Performance Test
- Color Blindness
- Audiogram
- Physical (Non-DOT)
- Physical (DOT)