



**POSITION/JOB TITLE:** Reliability Manager  
**DEPARTMENT:** Cokenergy  
**DIRECT SUPERVISOR:** O&M Manager  
**COMPENSATION:** Competitive Salary Plus Bonus Potential

### **PRIMARY ENERGY OVERVIEW**

Primary Energy is an independent industrial energy provider of electricity, steam, hot water and chilled water that focuses on building, owning and operating inside the fence industrial energy facilities under long term contracts. Our expertise is the effective utilization of byproduct fuels that would otherwise be flared, capturing waste heat and converting it into useful thermal products and creating ultrahigh efficiency combined heat and power facilities. Thoughtfully conceived industrial energy projects enhance the long-term financial health of our host mills, provides sustainable, low cost energy and provides highly reliable source of energy. Our goal is to be the lowest cost, highest value 3<sup>rd</sup> party energy provider for the industrial energy marketplace while making a reasonable return on our investment.

Cokenergy is a waste heat recovery power generation facility owned and operated by Primary Energy, providing energy to the Cleveland-Cliffs Indiana Harbor steelmaking facility in East Chicago, Indiana. Cokenergy's combined heat and power facility recovers waste heat from an adjacent non-recovery metallurgical coke production facility and uses this waste heat to produce industrial power-grade high pressure steam to generate electrical power and process steam to Cleveland-Cliffs steelmaking operations. Cokenergy is a first-of-a-kind facility that is also responsible for the pollution control for the flue gas generated during the coking process.

### **POSITION SUMMARY**

The Reliability Manager (RM) is responsible for directing the plant's preventative maintenance programs to ensure continuous availability and operation of equipment to maintain effective and efficient production of electricity and process steam. The RM coordinates with the Operations and Maintenance Manager (O&MM) and subordinates, overseeing plant inspections, equipment repair and installation ensuring preventative and corrective maintenance is conducted according to the long-term reliability goals. The RM coordinates in planning day to day and long-term maintenance schedules and supervising day-day maintenance activities. The RM ensures that project milestones/goals are met and adhere to approved budgets. The RM is also a subject matter expert on all equipment used in steam and electricity production including 16 Heat Recovery Steam Generators, 95 MW Extraction Steam Turbine, Fans, Pumps, Environmental Compliance equipment, specifically dry scrubbers, and all associated Balance of Plant equipment.

### **DUTIES & RESPONSIBILITIES (including but not limited to)**

- Manages the preventative and proactive maintenance program by:
  - Ensuring current programs are being complied with in schedule and scope.
  - Evaluating work completion reports for follow-up PM and CM work.
  - Evaluating corrective maintenance for recurrence, conducting RCFAs and implementing improvements to PM plan to reduce CM recurrence.



- Evaluating current programs for improvement opportunities and implementing revised or new programs and processes with a cost-savings mindset.
- Maintaining CMMS Maximo PM records and producing weekly and monthly KPI reports using Maximo and Excel templates. Develop new templates as needed.
- Regularly utilize plant data historian software for trending and analyzing equipment data for tracking equipment health and troubleshooting, incorporating the results into reports.
- Leads plant staff, contractors, consultants, and testing companies by driving a proactive culture and approach to maintain optimal plant availability, profitability, and performance
- Develops technical scopes of work for engineering and maintenance contractors.
- Develop and adhere to approved project cost budgets and schedules.
- Assists in performance of compliance and acceptance testing of equipment
- Assists in plant construction, commissioning, and troubleshooting.
- Regularly coordinate and report activities to direct supervision, as well as provide management updates as required.
- Roughly 50/50 split of office time and field time, depending on project workload.

### **TECHNICAL SKILLS**

- Mechanical engineering background and experience with Boilers, Steam Turbine Generators, Dry FGD systems and all supporting equipment.
- Knowledge of electrical systems and their relationship to mechanical equipment.
- Ability to write operating and maintenance procedures and develop diagnostic testing protocols.
- Ability to develop detailed preventative maintenance job plans in Maximo
- Ability to write technical scope, equipment scope of supply, work scope, and technical summary documentation.
- Proficient in using technology to aide work efficiency, (computers, mobile devices, email, cloud services, and IoT (Internet of Things))
- Proficient in IBM Maximo, MS Excel, Word, PowerPoint, eDNA or PI plant information and historian system and Outlook software programs.

### **PROFESSIONAL SKILLS**

- Communicates effectively in both group and one-on-one settings.
- Works well in a Team environment with an aptitude towards leadership.
- Incorporates critical thinking with an analytical mindset into work approach.
- Values and practices personal and team growth through learning and teaching promoting continual improvement in team members thus plant and company performance.
- Detail oriented with the acuity to determine level of detail relative to tasks to ensure efficient use of time.

### **EDUCATION REQUIREMENTS / WORK EXPERIENCE**

- 4-Year Engineering or Technology degree or equivalent experience, BSME preferred.



- Minimum 7 years of experience in Engineering, Operations, and Maintenance in fossil fuel power/utilities with relevant experience in leading proactive, preventive, reliability maintenance programs.

## **REQUIREMENTS**

This position requires mobility in the field, and will involve regular walking, climbing stairs and ladders, and working at heights.

This document in no way states or implies that these are the only responsibilities of, and the duties to be performed by, the employee occupying this position.