



JOB DESCRIPTION

Job Title: Power Plant Operations (Internship)
Department: Operations and Maintenance
Reports To: Plant Manager

This job description in no way states or implies that these are the only duties to be performed by the employee occupying this position. Employees may be required to follow other job-related instructions and to perform other job-related duties as requested, subject to all applicable state and federal laws. Certain job functions described herein may be subject to possible modification in accordance with applicable state and federal laws.

Job Summary

Curious how your electricity is produced? IHI Power Services Corp. (IPSC) has an internship opportunity for a motivated student located at Troy Energy. This position is a great opportunity for a dynamic individual who has the attitude and aptitude to forge a career path in a stable industry. No experience? No problem, training is provided.

Troy Energy LLC is located in Luckey, Ohio. The facility has 4 GE 7FA simple cycle combustion turbines in a clean, well-maintained plant.

The successful intern candidate will have the opportunity to be a part of operating and maintaining a power plant, learning some of the key concepts:

- How does the plant run?
- How is the plant monitored?
- Why is the plant heat rate important?
- What's the value of having a reliable plant?
- How does improvement projects relate to reliability?
- How does one determine what is wrong with the equipment?
- What needs to be maintained to ensure the plant continues to run?

Job Functions

- Under the direction of plant staff, learn all systems necessary to effectively operate the plant during all conditions. This learning process will include power plant fundamentals, advanced theory of gas turbine and generator operations, and maintaining power plant equipment. Other tasks to learn include but not limited to:
 - Observation and recording of required indicators and/or instruments.
 - Usage of appropriate safety equipment and techniques.
 - Reading and interpreting blueprints, wiring and schematic diagrams, and performing both internal and external switching and tagging for mechanical and electrical systems.
 - Updating station logs, e.g., maintenance repairs and outage logs, time reports, material requisitions, etc. in accordance with the protocols of the plant.



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- Acts as a team member with all employees of Troy Energy LLC staff.
- Complies with all IPSC policies and procedures.

Education and Experience – An equivalent combination of education, training and experience will be considered.

- High school graduate or equivalent, trade school, related military service training programs, technical training school programs and ability to pass the EEI.

Knowledge, Skills and Abilities which may be representative, but not all-inclusive of those commonly associated with this position.

- Must possess basic math skills, good verbal communications skills, and be proficient with the use of power and precision tools.
- Must be cooperative with those he/she contacts in this work.
- Must follow the instructions regarding the safety precautions to be practiced in the operation and maintenance of power plant equipment and machinery.
- Work within and insure strict adherence to all safety practices and procedures.
- Must be able to respond to audio alarms and variations of sound.
- Basic data entry/computer skills

Work Environment – Environmental or atmospheric conditions commonly associated with the performance of the functions of this job.

- Protective equipment such as hard hats, safety glasses, air masks, ear protection and other equipment must be worn in the performance of some duties. Work with hazardous materials may be required.
- Includes working indoors and outdoors.

Physical Abilities that are commonly associated with the performance of the functions of this job. The physical demands described below are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

- Must be able to work on feet for extensive periods, requiring stair and ladder climbing, and routinely carrying up to 50 pounds.
- Must be able to work in elevated areas, confined spaces and in extreme heat and cold conditions.



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Physical Requirements	Frequency
Bending/Stooping/Kneeling/Squatting/Twisting	Frequent
Climbing (Stairs, ladders)	Frequent
Full Motor Capability	Frequent
Hearing	Frequent
High Eye-Hand Coordination	Frequent
Keyboarding	Frequent
Lifting – Medium (up to 100 lbs.) with assistance	Frequent
Pulling/Pushing (up to 100 lbs.)	Frequent
Sitting at Video Display Terminal	Frequent
Standing and/or Walking	Frequent
Crawling	Frequent
Carrying (up to 50 lbs)	Frequent
Carrying (more than 50 lbs.)	Occasional
Reaching above the shoulder, at the shoulder and below the shoulder	Frequent

Note that these physical requirements will not preclude disabled applicants who may be reasonably accommodated under the Americans With Disabilities Act (“ADA”).

Environmental/Work Conditions:

Condition	Frequency
Dirty/Dusty Environment	Occasional
Extreme Temperatures	Occasional
Fumes/Mists/Odors/Gases/Poor Ventilation	Occasional
Mandatory Overtime Work	Occasional
Noisy Work Areas	Frequent
Scheduled Weekend Work	Occasional
Work from Elevated Position	Frequent

IHI Power Services Corp. is an Equal Opportunity Employer

All applicants must apply online at www.IHIPower.com