

**DOYON UTILITIES, LLC – SITE OPERATIONS
FORT WAINWRIGHT, AK**

TITLE: FWA CHPP Plant Engineer

DEPARTMENT: Site Operations, Ft. Wainwright CHPP

REPORTS TO: Shift Engineer

WAGE RANGE: Per Published Scale

POSITION OBJECTIVES:

The objectives of this position are:

- 1) To provide mechanical engineering and ASME expertise for the CHPP staff; and
- 2) To aid the CHPP Superintendent and his staff in understanding the engineering aspects of plant operations and maintenance.

MAIN ACTIVITIES:

The person occupying this position is responsible for conducting engineering related work for different systems in the CHPP. The person will conduct process related evaluations to determine the proficiency of the systems and determine if systems are performing at expected efficiencies. The person will design and stamp O&M projects, aid the CHPP Superintendent in developing larger O&M and capital projects for the 5 YR Capital Plan, help develop preliminary budgets for such projects, and help set the priority of such projects. This person will also manage certain projects being constructed in the CHPP. This person will aid the CHPP Superintendent, Maintenance Supervisor, and Maintenance Leads with troubleshooting of problem systems and aid the CHPP staff in proper scheduling of work. This person will perform engineering calculations to determine steam, water, and air flows as they relate to equipment and processes of the CHPP. A working knowledge of 3 phase power generation and distribution will aid in project development. This position will also assist in review of projects related to distribution system upgrades which could affect plant operations.

SKILLS AND QUALIFICATIONS:

- 1) Must have a working knowledge of the mechanical systems of coal fired power plants.
- 2) Must be a Professional Mechanical Engineer registered in the State of Alaska (or, if registered in another state, must demonstrate ability to acquire his/her State of Alaska Professional Mechanical Engineer's registration within 6 months of hire date).
- 3) Five years of experience working as a Plant Engineer in a coal fired power plant preferred.
- 4) Must have a working knowledge of the ASME Boiler and Pressure Vessel Code.
- 5) Must be adept at writing and understanding written communications.
- 6) Must be able to analyze plant systems and their operations and make suggestions to increase system efficiencies.
- 7) Must demonstrate initiative and be able to work with little supervision.
- 8) Must be physically fit enough to use ladders, climb stairs, work from high spaces, enter confined spaces, and able to work in temperature extremes from -60F to 140F.

WORKING ENVIRONMENT:

Works primarily indoors in an office environment. The employee is subject to exposure to abnormal heat hazards or ash and coal dust part of the time. When out in the plant the work environment is typically a noise hazard area requiring the use of hearing protection. Required to properly wear and use safety equipment as directed, including hearing protection, respirators, coveralls, hard hats, safety glasses and safety shoes. Frequently works alone with little direct supervision.

CONDITIONS OF EMPLOYMENT:

- 1) Must be eligible to work on a military installation in Alaska.
- 2) Must have a valid driver's license issued by the State of Alaska.
- 3) Must be willing to complete an approved confined space entry class.
- 4) Must be available to respond during non-working hours to emergencies at the CHPP.

EDUCATION AND TRAINING:

- 1) Must hold a Bachelor of Science Degree in an engineering discipline.
- 2) Must be a Professional Mechanical Engineer registered in the State of Alaska (or must demonstrate ability to obtain said registration within 6 months of hire date).

EMPLOYMENT CLASSIFICATION:

Exempt/Full Time Permanent