

MID-MAINE WASTE ACTION CORPORATION

Job Title: E/I Technician	Section: Maintenance
Reports To: Ops. & Maintenance Manager	Revision Date: June 15, 2001

FUNCTION

Locates, diagnoses, corrects trouble, and performs preventative maintenance on Plant electrical systems, electrical equipment, plant control systems and instruments as required.

DESCRIPTION:

Duties include, but are not limited to:

1. On call position.
2. Inspects, calibrates, and maintains pneumatic, electrical, electronic instruments and control systems.
3. Diagnoses trouble and investigates equipment or system problems. Works in conjunction with mechanical, and operations staff members to determine corrective action.
4. Coordinates equipment testing programs. Sets up, installs and operates test apparatus. Assists in analysis of gases, ash, water, etc.. Prepares test results and makes recommendations and suggests changes in operating procedures.
5. Generates work orders as required.
6. Collects or directs collecting or replacement of recording instrument charts and data. Stores historical data, makes calculations, and posts data in plant records.
7. Read and interpret drawings and maintains prints and control wiring diagrams. Instructs and trains others.
8. Develop and maintain electrical and I/C spare parts and PM system.
9. Repairs electronic components such as circuit boards, relay boards, etc.
10. Inspects, calibrates and maintains analyzing and flow monitoring equipment.

11. Assist as requested in other non-related skill or trade to maintain safe and efficient plant operations.
12. Assist in maintaining plant cleanliness.
13. Provides on-the-job training for personnel in his/her position.
14. Supervise outside contractors as necessary.
15. Performs other duties as required.

REQUIREMENTS:

1. Speak, read, write and understand English.
2. Possess a Class ~~6~~+Maine vehicle license.
3. Ability to take, follow, and give oral and written instructions.
4. Must be able to frequently climb ladders; enter confined spaces; climb to and work from elevated platforms, ladders and walkways at elevations of 75 feet and more; crawl through confined areas; work from manlifts; moderate to heavy lifting required. Ability to work outdoors in adverse weather conditions; climb vertical access ladders and stairwells; work in the plant in hot conditions; must be able to wear a respirator and use other personal protective equipment and other safety equipment as required.
5. Possess complete knowledge of power plant equipment and systems.
6. Possess a general knowledge of first aid methods and procedures.
7. Ability and experience as an instrument and control technician, including calibrating and repairing power plant instrumentation including transmitters and valves, and DCS and PLC experience, troubleshooting and programming.
8. Ability to effectively communicate with public and staff.
9. Strong math and science skills.
10. Technical school or college education from among the following fields of study:
 - Electrical engineering
 - Electronics and high voltage or other relevant field of study
11. Possess a State of Maine Masters Electrical License.

12. Experience maintaining 480V and 4160 switch gear.
13. Ability to work dual Electrical/Instrumentation crafts.
14. Four years of E/I work in a power plant environment.
15. Ability to demonstrate knowledge and skills commensurate with experience.