

TVA Job Description

Name		SSN		Effective Date							
Standard Engineering		Level Engr	Job Title Mechanical Engineer	Job Title Code AJ0001	Org Code						
Organization Fossil Power Group			Location		PD #						
Supervisor			HR Consultant		Review Date						
<p>Job Summary</p> <p>This position is the entry level for a mechanical engineer. Productive work assignments involve application of fundamental theories, principles, and practices related to mechanical engineering. The incumbent performs assignments of a progressively difficult nature which aid his/her professional development.</p> <p>Prepares designs for various equipment systems and features using standard techniques, procedures, and criteria. Exercise of engineering judgment is required in details of work and selection of engineering alternatives.</p> <p>Assists more experienced mechanical engineers by performing portions of broader assignments by obtaining necessary data, performing standard analyses, preparing equipment specifications, and generating material lists from drawings. Work may be of a multidiscipline nature.</p> <p>Directs the preparation of design drawings by providing sketches, marked drawings, and instructions to design technicians.</p> <p>Performs equipment evaluations and surveys to determine existing conditions. Reviews how equipment is used by different groups to develop an understanding of equipment design and construction. Provides engineering support to the maintenance individuals.</p>											
<p>Supervision Received</p> <p>Supervision and guidance are provided by higher level engineers and first-line manager. Receives close supervision on new aspects of assignments including selection of techniques and procedures by the supervisor. Incumbent is expected to progress to independent performance of most assignments.</p>											
<p>Skills and Proficiencies <i>(May be job or organization specific)</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Scientific and Engineering Principles</td> <td style="width: 33%;">Principles of Engineering Drawing</td> <td style="width: 33%;">Industry Standards and Codes</td> </tr> <tr> <td>Basic Problem Solving & Analysis Techniques</td> <td>Personal Computer Use</td> <td>Communication Technical Writing</td> </tr> </table>						Scientific and Engineering Principles	Principles of Engineering Drawing	Industry Standards and Codes	Basic Problem Solving & Analysis Techniques	Personal Computer Use	Communication Technical Writing
Scientific and Engineering Principles	Principles of Engineering Drawing	Industry Standards and Codes									
Basic Problem Solving & Analysis Techniques	Personal Computer Use	Communication Technical Writing									
<p>Minimum Qualifications <i>(Consistent with Classification Standard)</i></p> <p>Education and Experience/Certificates, Licenses, and Registration Requirements/Other Requirements</p> <p>Bachelor of Science degree in mechanical engineering from an ABET accredited program.</p> <p>Successful completion of Fundamentals of Engineering (FE) examination desirable.</p>											