

POSITION DESCRIPTION

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| Name | <u>Wilson C. McArthur</u> | Social Security Number | <u>[REDACTED]</u> |
| Position Title | <u>Corporate Radiological & Chemistry Control Manager</u> | Pay Group or Schedule/Grade | <u>PG-SR</u> |
| Location | <u>Chattanooga</u> | Effective Date | <u>6/17/96</u> |
| Organization Titles: | | Incumbent's Signature | <u>W.C. McArthur</u> W. C. McArthur |
| Group | <u>TVA Nuclear</u> | Supervisor's Signature | <u>[Signature]</u> I. J. McGrath |
| Operations | <u>Nuclear Operations</u> | HRM/HRO's Signature | <u>[Signature]</u> D. E. Nixon |
| Division | <u>Operations Support</u> | Reports to (Title) | <u>Operations Support General Manager</u> |
| Department | <u>Corporate Radiological & Chemistry Control</u> | | |
| Section | <u></u> | | |

FOR COMPENSATION PLANNING AND ANALYSIS USE ONLY

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| POSITION EVALUATION: | EVALUATION DATE: <u>3/11/96</u> | CP&A REVIEWER INITIALS: <u>ch</u> | | | | | | |
| <u>F33</u> K-H Slot | <u>528</u> K-H Pts | <u>F4 (50)</u> P-S Slot | <u>264</u> P-S Pts | <u>E3P</u> Acct Slot | <u>304</u> Acct Pts | <u>1096</u> Total Pts | <u>48-24-28</u> Profile | <u>+1</u> Profile |
| Approved Job Title: | <u>Manager</u> | Schedule/Pay Grade: | <u>PG-SR</u> | | | | | |
| Organization Code: | <u></u> | Job Code: | <u>2186</u> | | | | | |
| | | Supervisory Code: | <u>Y</u> | | | | | |
| | | Function Code: | <u>P42</u> | | | | | |

POSITION PURPOSE:
 Provides technical direction for TVAN's Radiological Control, Chemistry Control/Environmental Protection, and Radwaste programs to ensure that all operations, maintenance, modifications, and engineering activities are conducted in a radiological safe manner, protect plant systems and equipment, and protect the environment.

Responsible for technical direction and project management activities in support of nuclear power plant sites to ensure that Radiological Control, Chemistry Control/Environmental Protection, and Radwaste activities meet industry and regulatory expectation and are conducted in a manner that protects the individuals and the Agency.

Directs and provides technical expertise for the operation of exposure records program and in radiation litigation minimization program that meets or exceeds industry expectations.

Directs the operations of the TVA Environmental Radiological Monitoring and Instrumentation (ERM&I) program that provides portable instrument repair and calibration, environmental monitoring, source preparation, and conducts special studies for TVAN. Develops and directs the outside business efforts of the ERM&I organization.

DIMENSIONS: (On page 2)

Distribution: Original - Human Resources Microrecords Unit, Knoxville
 Copy - Operations Organization (as needed)
 Copy - Central Office of Union Having Jurisdiction
 Copy

POSITION TITLE: Corp Radiological & Chemistry Control Mgr PD NO. 960379
NAME Wilson C. McArthur SSN [REDACTED] EFFECTIVE DATE 6/17/96
(First) (Middle) (Last)

DIMENSIONS:

Employees:

Management/Professional/Technical = 10
Clerical/Technical Support = $\frac{14}{24}$

Budget

Annual Operating Budget approximately \$4 million

Other Examples:

Number of annual projects managed - 50

Specialists handle projects of typical size - \$50,000 - \$2 million

Administers radwaste and technician contracts for sites that total up to \$7 million annually

Responsible for the ERM&I facility and equipment with a value of \$5 million

Responsible for the nuclear power portable radiological control instrument inventory of 5,300 instruments with a value of \$2.5 million

PRINCIPAL ACCOUNTABILITIES:

Provide expert technical direction to TVAN, with a focus on the nuclear plant sites, for Radiological Control, Chemistry Control/Environmental Protection, and Radwaste. Functions include:

Technical Support:

Short-Term—Provide technical direction and troubleshooting to resolve technical problems that affect the operability of the Radiological Control, Chemistry Control, Radwaste, and Environmental Protection programs for TVAN.

Long-Term—Provide technical direction and management for generic problems that affect TVA programs in Radiological Control, Chemistry Control, Radwaste, and Environmental Research.

Programmatic Direction:

Provide technical expertise to develop and maintain standards for Radiological Control, Chemistry Control, Radwaste and Environmental Protection for TVAN.

Benchmarking/Standardization:

Responsible for working with other utilities and professional groups to ascertain the best industry practices and implementing these practices at TVAN in the areas of Radiological Control, Chemistry Control, Environmental Protection, and Radwaste.

Responsible for assuring consistency of practices (standardization) in Radiological Control, Chemistry Control, Environmental Protection, and Radwaste at TVAN.

Site Technical/program Evaluations:

Direct and provide expert technical assessments of nuclear site operations and programs on Radiological Control, Chemistry, Environmental Protection, and Radwaste.

Provide expert senior level technical input to the President TVAN and the TVAN executives and managers in Radiological Control, Chemistry Control, Environmental Protection, and Radwaste.

Provide management direction and be accountable for the operations of the Environmental Radiological Monitoring and Instrumentation (ERM&I) facility including the non-TVAN business portion of the operation. Responsibilities include:

Direct the Instrument services program for calibration, repair, and inventory of portable RadCon instrumentation (approximately 5,300 instruments).

Direct the TVAN-wide environmental radiological monitoring program.

Direct the radioanalytical technical support services required to support the sites (i.e., 10CFR81, iron and strontium analyses).

Market and secure outside TVA business for the above listed services through a comprehensive business plan developed to assure that ERM&I can cover costs.

Provide senior management and the sites with expert technical direction in the handling, transportation, and disposal of low-level radioactive waste.

Provide expert technical direction to the Southeastern Compact Generators Group (SEGG) to ensure that TVAN has the necessary low-level radioactive waste disposal facilities now and in the future.

Serve as the principal point of contact for TVAN's Work Agreements with the Resource Group. Accountable for assuring that the product is cost effective.

POSITION TITLE: Corp Radiological & Chemistry Control Mgr PD NO. 960379
NAME Wilson C. McCarthy SSN [REDACTED] EFFECTIVE DATE 6/17/96
(First) (Middle) (Last)

PRINCIPAL ACCOUNTABILITIES (Continued):

Accountable for ensuring that the Radiological Control, Chemistry Control/Environmental Protection, and Radwaste programs are developed to meet the needs of TVA personnel and visitors and is consistent with a sound program for radiation litigation management.

Represent TVA as Senior Technical Expert in the radiological and chemistry control, environmental protection, and radwaste disciplines to regulatory agencies, outside organizations, and litigation matters.

Provide expert direction to implement industry initiatives to improve operations, outages and reduce costs.

Provide independent expert technical assessment of site performance and assist in improvement activities.

Manage and direct major projects in Radiological Control, Chemistry Control/Environmental Protection, and Radwaste.

Provide the technical and management direction to ensure that training activities for Radiological Control, Chemistry Control/Environmental Protection, and Radwaste meet management and industry expectations.

Provide the direction and focal point for peer group and technical discipline meetings that affect TVAN.

Responsible for providing the TVAN technical expertise for the TVA wide Environmental Implementation Committee (EIC), the and the Corporate Management Review Committee (MRC). Represent TVAN in fulfilling the responsibilities of IGA-3 (Resource Group).

Provide expert technical direction to the Nuclear Energy Institute (NEI) and the Electric Power Research Institute (EPRI) in matters concerning low-level radioactive waste, chemistry, and radiological controls.

Develop a staff of personnel that are capable of replacing key positions at the sites, temporarily or permanently, in Radiological Control, Chemistry Control, Environmental Protection, and Radwaste. Maintain contact with personnel outside of the agency that would fill key positions.

MINIMUM QUALIFICATIONS:

The manager must have a B.S. degree in Engineering or a Physical Science. An advanced degree in Engineering or Physical Science is preferred. The manager shall have at least 10 years of professional level experience which shall include at least 5 years of professional experience in radiological control or chemistry control activities with experience in the handling, transportation, and disposal of low-level radioactive waste and environmental protection at commercial nuclear power plants. The manager must be capable of serving as a replacement for a site Radiological and Chemistry Control manager.

Incumbent in this position is subject to rotational assignment.