



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

August 29, 2008

10 CFR 50.71(e)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Gentlemen:

In the Matter of)	Docket Nos.	50-259	50-328
Tennessee Valley Authority)		50-260	50-390
			50-296	50-391
				50-327

TVA NUCLEAR QUALITY ASSURANCE (NQA) PLAN (TVA-NQA-PLN89-A)
AND ORGANIZATION TOPICAL REPORT (TVA-NPOD89-A) - BROWNS
FERRY, SEQUOYAH, AND WATTS BAR NUCLEAR PLANTS - ANNUAL
UPDATE

Pursuant to 10 CFR 50.71(e), the enclosure to this letter provides TVA's
annual update to the TVA Organization Topical Report (TVA-NPOD89-A).

This letter does not include TVA's "Annual" Nuclear Quality Assurance Plan
(NQAP) (TVA-NQA-PLN89-A). The NQAP was last submitted to NRC on
December 3, 2007. Accordingly, the next annual update to the NQAP will be
submitted by December 3, 2008. Since the NQAP and Organizational Topical
Report applicability encompasses multiple TVA units, updates are provided to
NRC on a yearly basis to ensure that TVA meets the refuel cycle submittal
criterion pursuant to 10 CFR 50.71(e) for each unit at each site.

There are no new regulatory commitments made by this letter. If you have
questions, please contact Rob M. Brown at (423) 751-7228.

Sincerely,

Michael A. Purcell
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NRR

U.S. Nuclear Regulatory Commission
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Enclosure

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ENCLOSURE

**TENNESSEE VALLEY AUTHORITY
ORGANIZATIONAL TOPICAL REPORT
TVA-NPOD89-A**

ORGANIZATION DESCRIPTION

LIST OF REVISIONS

REVISION 0	June 1, 1989
REVISION 1	August 13, 1990
REVISION 2	April 18, 1991
REVISION 3	April 17, 1992
REVISION 4	December 27, 1993
REVISION 5	December 16, 1994
REVISION 6	June 29, 1995
REVISION 7	June 27, 1997
REVISION 8	August 25, 1999
REVISION 9	August 25, 2000
REVISION 10	August 24, 2001
REVISION 11	August 26, 2002
REVISION 12	August 22, 2003
REVISION 13	August 31, 2004
REVISION 14	August 30, 2005
REVISION 15	June 22, 2006
REVISION 16	August 30, 2007
REVISION 17	August 29, 2008

TVA NUCLEAR POWER GROUP ORGANIZATION DESCRIPTION

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 - 4.3 Manager Technical Programs Reliability
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- 5.0 Vice President Engineering and Projects
 - 5.1 General Manager Corporate Engineering
 - 5.2 General Manager Project Management
 - 5.3 Manager Inspection Services
 - 5.4 Manager Nuclear Fuel Design
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 - 7.0 Vice President Special Projects
 - 8.0 Senior Vice President Nuclear Operations
 - 8.1 Vice President Browns Ferry Nuclear Plant (BFN)
 - 8.2 Vice President Sequoyah Nuclear Plant (SQN)
 - 8.3 Vice President Watts Bar Nuclear Plant (WBN)
- II. Chief Administrative Officer and Executive Vice President Administrative Services
- A. Vice President Human Resources
 - 1.0 Senior Manager Human Resource Operations
 - 2.0 General Manager Health and Safety
 - 3.0 Senior Manager Training and Development
 - 4.0 Manager TVA Work Force Planning
 - 5.0 Senior Manager Shared Resources
 - 6.0 Senior Manager Compensation and Human Resource Planning
 - 7.0 Vice President Labor Relations
 - 8.0 Senior Manager Human Resource Services
 - 9.0 Senior Consultant Psychological
 - B. Senior Vice President Procurement
 - 1.0 General Manager Materials Management Services
 - 2.0 General Manager Chief Operating Officer Contracts
- III. Senior Vice President New Nuclear Generation Development and Construction
- A. Manager Project Support
 - B. Vice President Watts Bar Unit 2
 - C. Manager New Generation Licensing and Industry Affairs – Bellefonte (BLN)
 - D. Manager New Generation Licensing and Industry Affairs – Watts Bar Unit 2
 - E. Manager New Generation Licensing and Industry Affairs – Strategic Projects
 - F. Vice President Nuclear Generation Development
 - G. Vice President Strategic Projects
 - H. Manager Training
 - I. Manager Project Controls
 - J. Specialist Concerns Resolution

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Abstract

The TVA Nuclear Power Group (NPG) Organization Description (TVA-NPOD89-A) includes organization descriptions for Browns Ferry (BFN), Sequoyah (SQN), Watts Bar (WBN), and TVA Corporate Nuclear. This report contains the senior management, technical support and operating organization descriptions, and organization charts that meet the "content" guidance of Nuclear Regulatory Commission's (NRC's) Regulatory Guide 1.70, Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants - LWR Edition, Rev. 3 (November 1978).

Qualification requirements and training descriptions specified in the standard format document will continue to be addressed in each plant's Final Safety Analysis Report. The detailed TVA Nuclear Assurance organization and program description is contained in the NPG Quality Assurance Plan (TVA-NQA-PLN89-A) and is not repeated herein.

The original purpose of the NPG Organization Description TVA-NPOD89-A was to establish a controlled, single-source document and a disciplined process for communicating organization structure and position descriptions to the NRC. TVA-NPOD89-A will be referenced in future revisions of our license applications including the Safety Analysis Reports, Technical Specifications, the Nuclear Quality Assurance Plan, and other documents that may refer to the NPG organization. This topical report is updated as necessary to reflect major organizational changes. Since this topical report encompasses multiple plants, subsequent updates to the Topical Report will be filed on a yearly basis to ensure that TVA meets the refuel cycle criterion of 10 CFR 50.71(e) for each unit at each site.

Introduction

TVA Corporate Organization

TVA is an agency of the federal government whose major policies, programs, and organization are determined by a part-time, nine member Board of Directors (BOD) structure pursuant to the TVA Governance Restructuring provisions of the Consolidated Appropriations Act, 2005. The BOD members are appointed by the President of the United States and confirmed by the Senate for five-year terms. The BOD selects a Chief Executive Officer (CEO) who also serves as President to manage TVA's day-to-day business. The BOD shapes the long-term business strategies, recommends major program initiatives, and guides TVA's day-to-day operations.

The Office of Inspector General (OIG) supports TVA in addressing its challenges and meeting its goals through the conduct of a comprehensive Audit and Inspection Programs designed to focus on areas of high risk and strategic importance. In addition, OIG responds to allegations of fraud, waste, and abuse affecting TVA. The OIG works along side, yet independent of TVA.

The CEO is responsible for managing all aspects of TVA, including power production, transmission, power trading, resource management programs, and economic development, as well as TVA's corporate functions. The CEO heads TVA's Executive Committee and chairs its Business Council.

The Office of General Counsel (OGC) provides legal services to TVA in all aspects of operations, including offering guidance and advice to the BOD on the legal ramifications of TVA activities and operations and representing them in litigation.

The Chief Operating Officer (COO) is responsible for pulling together all the operational elements of TVA with a clear focus on the operational excellence of the organization. This organization is faced with the challenges of meeting environmental pressures, growing power demand and stakeholder expectations.

The Chief Administrative Officer (CAO) is responsible providing corporate support functions for all of TVA through TVA's Business Services, Employee Relations and Diversity, Enterprise Performance and Analysis, Facilities Management, Human Resources, Information Services, Procurement, and TVA's Police.

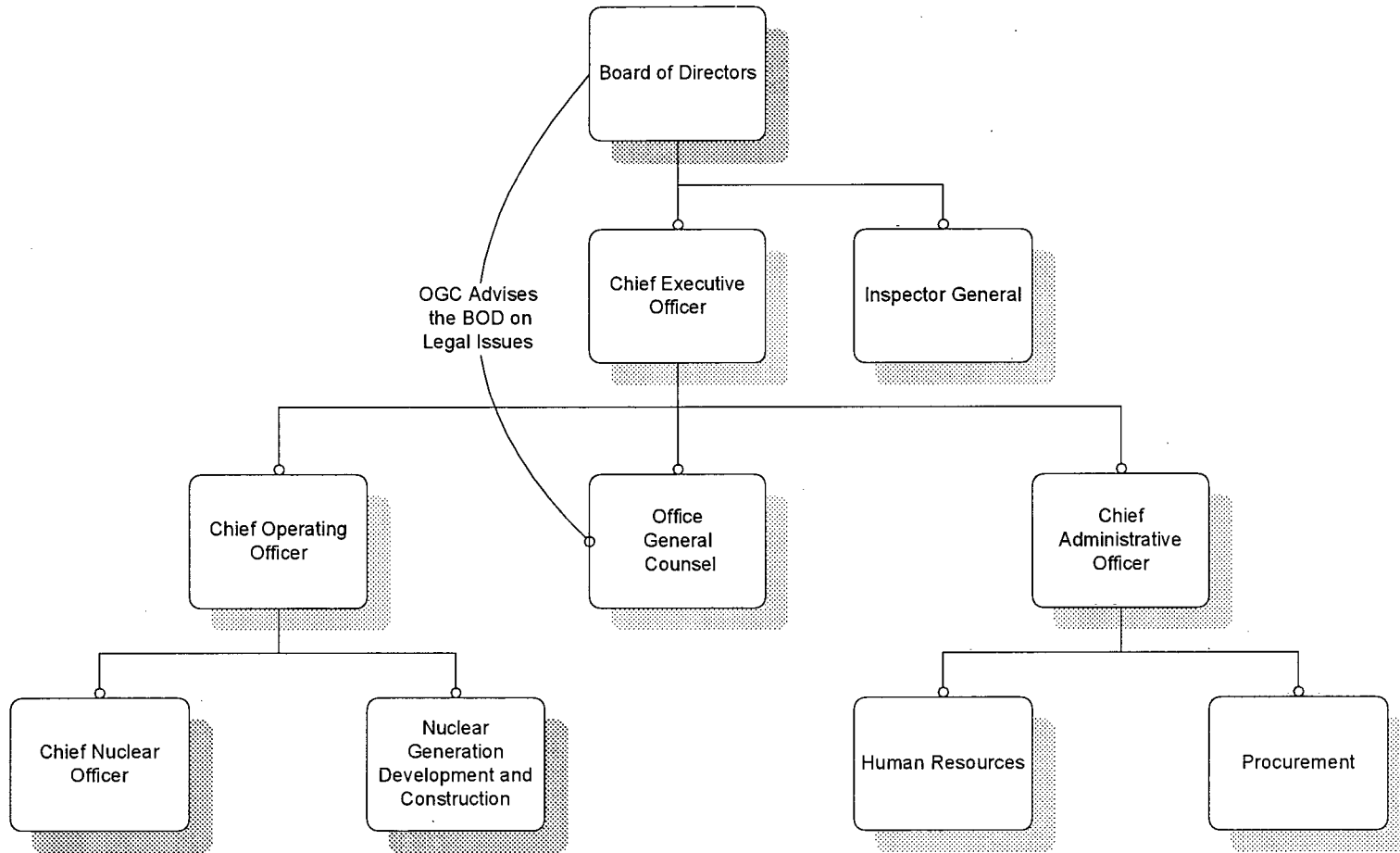
The Chief Nuclear Officer (CNO) is responsible for the overall safety, efficiency, and economy of TVA's Nuclear Power Program and the overall Nuclear Power Group (NPG) organization.

The Senior Vice President Nuclear Generation Development and Construction is accountable for the development and construction of additional nuclear generation assets and technologies to meet demand for safe, clean, reliable and low cost power.

The Corporate Organization leadership and reporting relationships are shown in Figure 1-1.

Corporate Organization

Figure 1-1



I. Chief Operating Officer (COO)

The COO has the primary responsibility for directing and managing the operations of all of TVA's generating plants, Power System Operations and the Commercial Operations and Fuels Group. This position directs, administers, and coordinates the activities of these organizations in accordance with the goals, vision, and values established by the CEO and the Board of Directors. The incumbent is accountable for the operational results of TVA that ensure achievement of goals and objectives as well as establishing operating short-term and long-term objectives, plans and policies subject to the approval of the CEO. The Organizations with Nuclear responsibilities are described below.

TVA Nuclear Power Group (NPG) is responsible for nuclear plant engineering and design, operation, quality assurance, and compliance with regulatory requirements. NPG plans and manages the Nuclear Program to meet the requirements of TVA's Power Program consistent with safety, environmental, quality, and economic objectives.

The general organization of NPG is shown in Figure 1-2.

A. Executive Vice President, Chief Nuclear Officer (CNO)

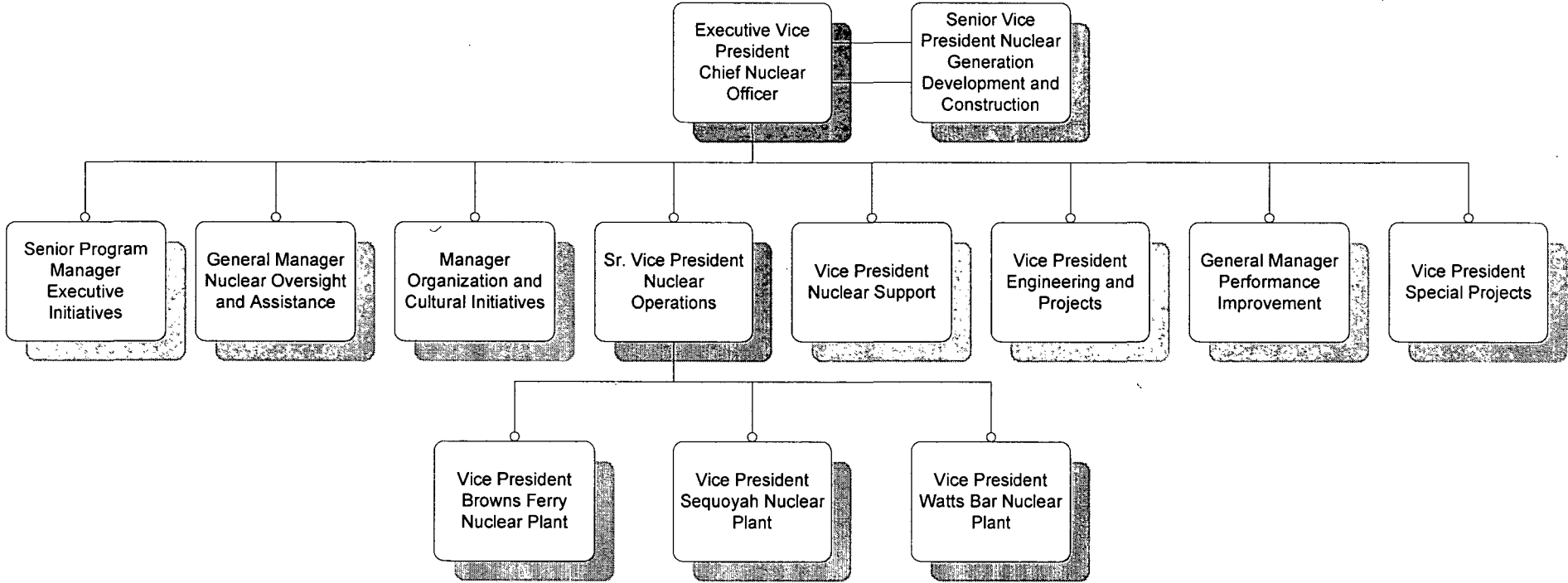
The CNO is the senior nuclear manager with direct authority and responsibility for the management, control, and supervision of TVA's Nuclear Power Program and for the execution of nuclear programs, policies, and decisions that the Board of Directors approves or adopts. The CNO reports directly to the Chief Operating Officer (COO). The COO reports directly to the TVA Chief Executive Officer. The CNO is responsible for the overall safety, efficiency, and economy of nuclear operations. The CNO establishes management and operating policies and procedures related to TVA's Nuclear Program and is responsible for personnel, planning, scheduling, licensing, engineering and design, construction, operation, quality assurance, training, maintenance, and technical and administrative matters related to these programs. The CNO coordinates activities and functions of the NPG with other TVA organizations in order to carry out TVA's corporate policy and to meet corporate goals and objectives. This position is responsible for all aspects of TVA's interface and relations with the NRC and other entities with jurisdiction over or interest in TVA's Nuclear Program. Other responsibilities include: development and implementation of an effective radiological Emergency Preparedness Program; directing shutdown of nuclear facilities when deemed appropriate; and development of long-range, strategic plans for all NPG programs, activities, and facilities. Concerns Resolution reports to the General Manager, Performance Improvement, but has direct access to the CNO. This provides sufficient independence and freedom to ensure that employee concerns are properly addressed. The General Manager, Performance Improvement, is a direct report to the CNO. Nuclear Assurance reports directly to the General Manager, Nuclear Corporate Oversight and Assistance, but has direct access to the CNO. This provides independence

and freedom to effectively ensure conformance to Quality Assurance Program requirements. The Senior Vice President, Nuclear Generation Development and Construction works with the CNO to ensure that future Nuclear Generation is coordinated with the existing fleet.

The CNO's direct reports are provided in Figure 1-2. These functions are described in more detail in subsequent sections of this Topical Report.

Chief Nuclear Officer

Figure 1-2



A. Executive Vice President, Chief Nuclear Officer (CNO) (continued)

1.0 Senior Program Manager Executive Initiatives

This position reports directly to the CNO. Responsibilities include managing large NPG-wide initiatives with multi-site impact that achieve overall effectiveness, standardization, reduction of costs and cycle times, and increased overall operating effectiveness and efficiency. In addition, this position coordinates with multiple disciplines and senior management across NPG.

2.0 General Manager Nuclear Oversight and Assistance

The General Manager of Nuclear Oversight and Assistance reports directly to the CNO. This position is responsible for directing and managing the Nuclear Power Group Oversight and Assistance office, including Nuclear Assurance and Nuclear Training and Special Projects. This position is responsible for leading rapid response to emerging issues that could impact plant performance. Responsibility for Nuclear Assurance includes oversight to ensure implantation of NPG's QA Programs for evaluating program effectiveness for design, construction, safety and reliability, and operation of TVA's nuclear plants. This includes review of the Nuclear Quality Assurance Plan and Nuclear Assurance internal procedures. Nuclear Assurance has an indirect reporting structure to the CNO to provide independence and freedom to effectively ensure conformance to Quality Assurance Program requirements. Responsibility for NPG training includes oversight of the planning, development, implementation, and evaluation of federally regulated and nationally accredited training programs to ensure sufficient qualified personnel to operate, maintain, and modify NPG's licensed nuclear power plants.

2.1 General Manager Nuclear Assurance

The General Manager Nuclear Assurance (NA) reports to the General Manager Nuclear Oversight and Assistance. This position has direct access to the CNO as necessary to provide for the independence and organizational freedom to effectively ensure conformance with the TVA Nuclear Quality Assurance Plan (TVA-NQA-PLN89-A).

The General Manager NA administers responsibilities through the Corporate NA Manager, the Site Quality Manager and the Manager Nuclear Assurance Project Watts Bar Nuclear Plant, Unit 2. Detailed responsibilities are described in the TVA Nuclear Quality Assurance Plan.

2.2 General Manager Nuclear Training

This position provides corporate governance and oversight of the planning, development, implementation and evaluation of federally regulated and nationally accredited training programs to ensure sufficient

qualified personnel to operate, maintain, and modify TVA's nuclear power plants.

2.3 Special Projects

This includes the development and management of teams designed to provide assistance to various TVA NPG organizations in responding to emerging issues that could affect plant performance. Due to the nature of a rapid response organization, the structure and staffing remain fluid.

3.0 Manager Organizational and Cultural Initiatives

This position serves as a focal point to direct the NPG initiatives in the areas of organizational culture, nuclear safety culture, and a safety-conscious work environment. This includes oversight, monitoring implementation, and support of all cultural improvement projects. As a strategic partner, this manager works directly with the CNO to deliver a proactive, targeted and measured program designed to maintain a positive work culture and safe work environment within NPG.

4.0 Vice President Nuclear Support

This position provides technical support to NPG. Responsibilities include Emergency Services, Nuclear Outages & Scheduling, Technical Program Reliability, Maintenance and Modifications (corporate oversight), Operations (corporate oversight), and NPG Initiatives. This manager serves as a key member of the NPG executive team and advises the CNO and other corporate and site management on a wide range of Nuclear Support issues. In addition, this manager ensures all managed activities are conducted in accordance with appropriate TVA and external regulations and policies.

This position's principle reports and/or administrative responsibilities are shown in Figure 1-3.

4.1 General Manager Emergency Services

This position provides technical support and oversight to NPG in the areas of Security, Emergency Preparedness, Nuclear Access Services, Fitness for Duty, and Psychological and Medical Services. Other responsibilities include: serving as the NPG expert on nuclear security regulatory issues; providing strategic guidance to corporate and site managers on range of issues including security operations, nuclear plant check-in, and industry codes and standards; and providing oversight for the management of the Emergency Preparedness Program.

4.2 Senior Manager Nuclear Outage and Scheduling

This position provides corporate governance and oversight of the Plant Outages and Outage Scheduling so that outages are executed in a timely and efficient manner in order to provide safe, reliable, and efficient

generation to meet system needs. This position also provides corporate governance and oversight for plant outage safety requirements and comprehensive Scheduling Program.

4.3 Manager Technical Programs Reliability

This position manages critical NPG processes for Welding, Meteorological/Environmental, Radiological Control, Chemistry, and other areas as assigned. This manager provides leadership and direction to achieve high reliability and standardization of NPG processes to support both outage and non-outage operations at NPG sites. This position also provides authoritative decisions and recommendations on behalf of NPG regarding critical issues and consults and ensures resolution of issues with senior management, company officers and policy making representatives from regulatory and industry organizations.

4.4 Senior Manager Maintenance and Modifications (Corporate Oversight)

This position provides corporate oversight of Maintenance and Modification functions for NPG's nuclear power plants. Responsibilities include ensuring managed activities are conducted in accordance with appropriate regulations and NPG's policies, programs, and procedures and plant Technical Specifications and federal, state, and local regulations.

4.5 Manager Radiation Protection (Corporate Oversight)

This position manages the development and implementation of the site Radiation Protection programs, ensuring that all operations, Maintenance, Modifications, and Engineering activities are conducted in a radiological safe manner, protect plant systems and equipment, and protect the environment. This position guides technical assistance and project management activities in support of nuclear plant sites consistent with regulatory requirements. Other responsibilities include the budgeting for and directing the development, operation, and modification of Radiological Control and Radiological Waste-Related Programs.

4.6 Senior Manager Nuclear Operations (Corporate Oversight)

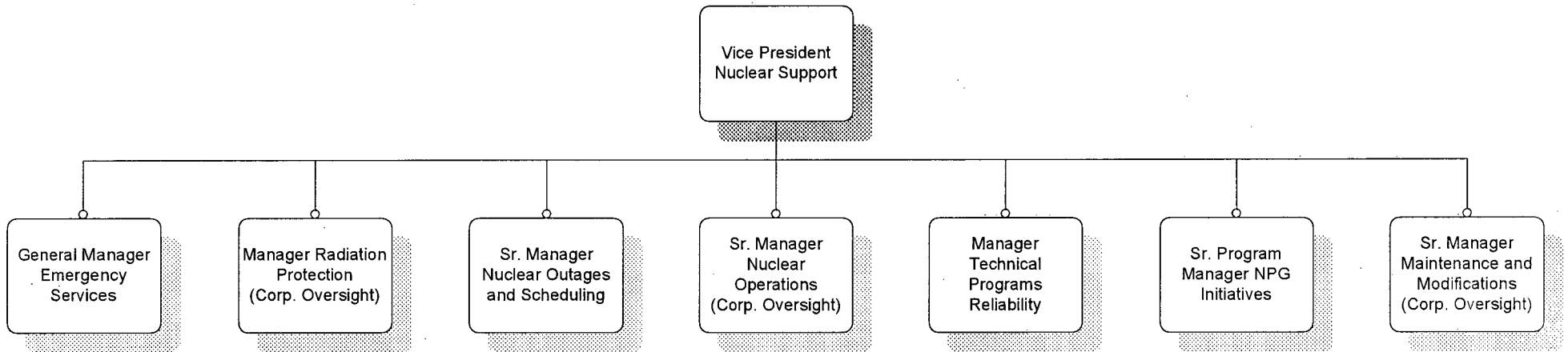
This position provides corporate oversight of the operations function for TVA's nuclear fleet in order to provide reliable and efficient generation to meet system needs. Responsibilities include ensuring that all managed activities are conducted in accordance with appropriate regulations and TVA policies, programs, and procedures, technical specifications, and Federal, State, and Local regulations. This position is also responsible to monitor fleet activities to identify and design changes and make fleet wide procedural changes for improvements that are nuclear safety-related, industrial safety-related, or related to efficiency or productivity.

4.7 Senior Program Manager NPG Initiatives

This position is responsible for managing large NPG-wide technical initiatives with multi-site impact. This position coordinates with multiple disciplines and senior management across NPG regarding overall program effectiveness to achieve streamlining, standardization, reduction of costs and cycle time, and increased overall operating effectiveness and efficiency.

Nuclear Support

Figure 1-3



5.0 Vice President Engineering and Projects

This position is responsible for establishing and directing all engineering and project management functions within the NPG fleet. This includes Corporate Engineering, Project Management, Inspection Services, Nuclear Fuel Design, Nuclear Fuel Supply and Disposal Projects, Plant Operational Reliability, and Computer Engineering. Responsibilities include governance and oversight of Site Engineering functions and policy compliance for the NPG's fleet in regard to engineering and project management functions. In addition, this position advises NPG executives on technical issues affecting the sites and serves as the fleet representative on the Engineering Peer Team.

This position's direct reports and/or areas of responsibilities are provided in Figure 1-4.

5.1 General Manager Corporate Engineering

This position manages the engineering services activities for the NPG as well as governance and oversight of Engineering. The primary responsibilities are to maintain the site design basis, plant configuration control, and allocate the design margins on safety-related systems. Other responsibilities include: ensuring the Engineering Programs are managed in an effective and efficient manner; implements technical and design authority requirements and orders to the Site Engineering Managers as authorized by the Vice President, Engineering and Projects (NPG Design Authority); ensuring managed activities are conducted in accordance with appropriate regulations and TVA policies and procedures in a manner to maintain technical integrity of TVA facilities; and safeguard the health and safety of the general public, the environment, and employees.

5.2 General Manager Project Management

This position provides oversight and governance for the NPG project management strategic approach. Responsibilities include: implementation of consistent and effective project management concepts, techniques, Software Programs, Training Program and certification; directing management of all major nuclear technical projects, including steam generator replacements, Dry Cask Storage Program, and major site or facility modifications and; directing the nuclear project management strategic approach to ensure that managed activities are conducted in accordance with appropriate regulations and TVA policies, programs, and procedures and plant Technical Specifications, and federal, state and local regulations.

5.3 Manager Inspection Services

This position directs and manages the activities and resources of the Inspection Services organization to provide the resolution of technical

problems, technical support, and requested Nondestructive Examination (NDE)/Quality Control (QC) inspections of NPG's power plants through the utilization of skilled examiners and Level III overviews.

Responsibilities include ensuring conformance with applicable American Society of Mechanical Engineers (ASME) Codes, regulatory agency, and TVA guidelines and requirements; providing NDE QC technical support to address problems or special assignments such as new technical development or technology transfer; supporting NDE QC training and training development of specialized NDE QC techniques and; representing TVA in NDE QC matters with ASME, American National Standards Institute (ANSI), American Welding Society (AWS), NRC, Electric Power Research Institute (EPRI), Institute of Nuclear Power Operations (INPO), etc.

5.4 Manager Nuclear Fuel Design

This position manages the Nuclear Fuel Design Program to support the safe operation of NPG facilities and directs Nuclear Core Design, Fuel Analysis and Reactor Engineering activities to support fuel utilization and reactor operation for TVA's Boiling Water Reactor (BWR) and Pressurized Water Reactor (PWR) units. In addition, this position manages the highly enriched uranium (HEU) project and fuel related aspects of the Department of Energy's (DOE) Tritium Production Project.

5.5 Manager Nuclear Fuel Supply and Disposal Projects

This position is accountable for managing and directing the technical, commercial, and administrative functions of the nuclear fuel supply, including development of energy requirements, monitoring the nuclear fuel market, developing NPG's nuclear fuel supply strategy, develops long-range financial forecasts, maintains relationships with fuel supply vendors, administering contracts (e.g.; delivery requirements and schedules), and processing invoices for fuel supply transactions. In addition, this position manages the Spent Fuel Disposal contract with DOE and oversees payments to DOE and directs activities to provide for long-term onsite storage and ultimate disposal of spent nuclear fuel assemblies and components.

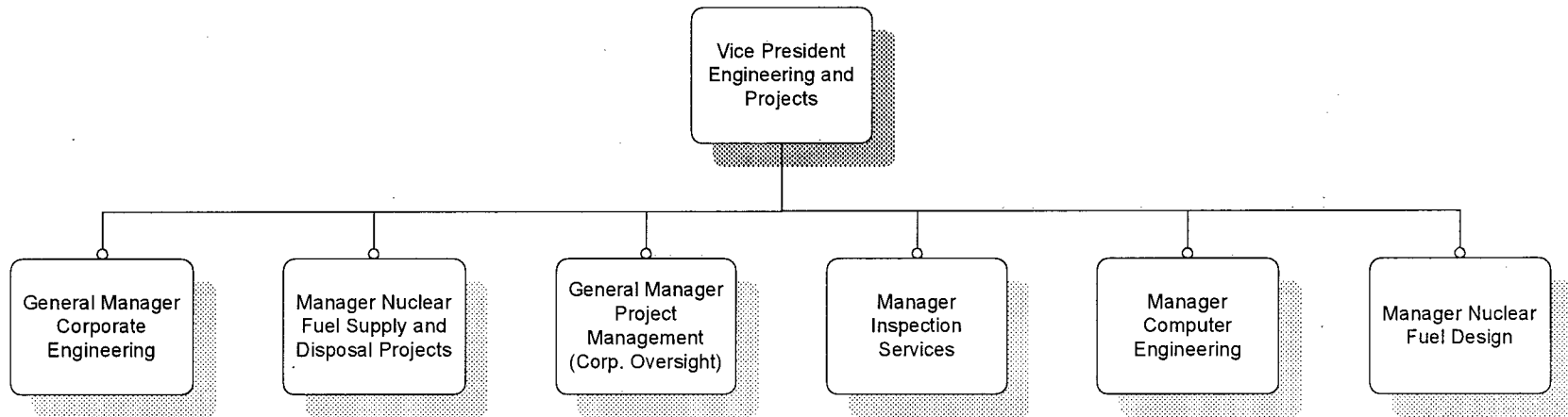
5.6 Manager Computer Engineering

This position is responsible for managing NPG's Computer Engineering organization which is responsible for supporting real-time computer systems for NPG's Quality-Related Programs and plant process monitoring and control applications. Other responsibilities include: the definition and analysis of system requirements; establishing system performance criteria, system design and implementation; system integration and interfaces with plant systems and equipment; installation and testing, maintenance and modification; configuration control

activities; defining software quality assurance requirements for NPG; providing interpretation and technical assistance to NPG organizations in the applications of these requirements to safety-related and quality-related computer software; implementing a Software QA Program that establishes the requirements and processes for the development, maintenance, and modification of real-time computer system software; establishing the infrastructure necessary to support real-time computer systems development and maintenance; establishing programmatic requirements and technical guidance for system development, modification, operation, maintenance, and configuration management functions for NPG's real-time computer systems; providing and managing the data center facilities for corporate-based quality-related real-time computer applications; establishing strategic direction and tactical plans for the application of real-time computer system technologies to NPG's process monitoring/control systems, quality-related programs, and plant simulators; providing technical oversight of NPG's plant simulators to maintain fidelity of plant system models, simulator certification; and regulatory compliance and; providing project management for major multi-site, multi-organizational real-time computer system projects.

Engineering and Projects

Figure 1-4



6.0 General Manager Performance Improvement

This position oversees NPG's Corporate and Site Licensing functions and Performance Improvement Program involving the Corrective Action Program, Self Assessment Program, Management Observation Program, Process Methods, Performance Analysis, Performance Assessment and others to ensure performance excellence. This includes process improvements, monitoring process status, and supporting sites with specific skill resources. This position also has governance and oversight responsibility of the NPG's Plant Operations and Employee Concerns Program.

This position's direct reports and/or administrative areas of responsibilities are provided in Figure 1-5.

6.1 Senior Manager Nuclear Licensing

This position provides oversight and direction of the NPG Corporate and Site Licensing functions in support of the operations of TVA's licensed nuclear plants. This position is responsible for the development of regulatory vision and strategy for regulatory issues for both Corporate and Sites and providing policy recommendations. This position provides a single point-of-contact for regulatory interface on licensing issues common to more than one TVA site and has signature authority for NRC submittals. In addition, this position provides direction for implementation of the Site Regulatory and Compliance Program dealing with regulatory agencies including applicable federal, state, and local authorities.

6.2 Manager Process Methods

This position directs the development of the Improvement Program and change process ownership, including implementation. This position directs the organization in defining the process, monitoring the process status, ensuring process rules and followed, and supporting participants with specific skill resources. In addition, responsibilities include directing the organization in maintaining a consistent vision and direction necessary for the diverse Peer Team Support Managers. This position is responsible for implementing the change management methods and providing personnel trained and skilled in change methods to support program owners and Peer Teams.

6.3 Manager Performance Analysis

This position directs the development and consistent implementation of a Performance Improvement Program across the NPG fleet and corporate office. In this context, performance improvement involves a program that integrates multiple performance data inputs into a comprehensive assessment of NPG performance, using the attributes of INPO 05-005.

Key elements of this program, which are under this position, include the Correction Action Program, the Operating Experience Program and the Human Performance Program.

6.4 Manager Performance Assessment

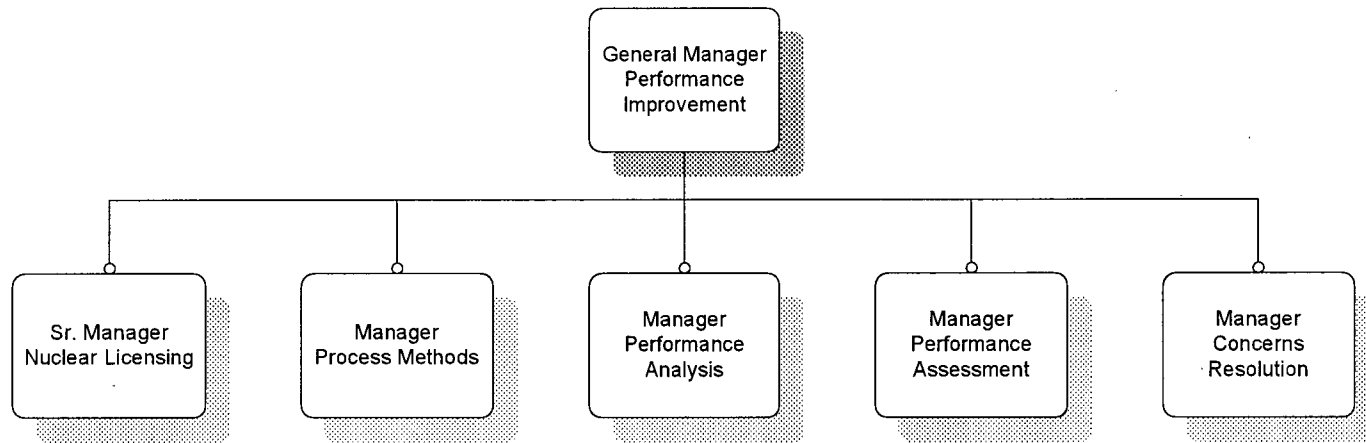
This position is responsible for developing and ensuring satisfactory implementation of a comprehensive Performance Assessment Program, and Self-assessment and Benchmarking Programs to provide early identification and correction of issues and precursors of issues which could impact nuclear power performance. The Performance Assessment Program includes conduct of periodic site Integrated Performance Assessments, comprehensive training assessments to support the accreditation cycle, and other assessments as deemed appropriate by NPG needs. The position provides governance and oversight of the NPG Self-assessment and Benchmarking Programs, and is responsible for support of the Nuclear Safety Review Board.

6.5 Manager Concerns Resolution

This position is responsible for protecting the health and safety of the public by providing a confidential alternate avenue in NPG independent of line management for employees to resolve concerns which could affect the safe and reliable operation of TVA nuclear plants. The incumbent directs the program that reviews employee concerns generated through NPG, determines their significance, and interacts with senior site management, vice presidents across the organization, and NPG Executive Vice President & Chief Nuclear Officer as appropriate to ensure that they are effectively resolved. The incumbent serves as the principal point of contact with the Nuclear Regulatory Commission (NRC) regarding TVA's Concerns Resolution Program. The incumbent performs a key role of decision making in NPG regarding handling allegations raised internally to NPG relating to possible intimidation, harassment, or discrimination against employees for raising safety concerns. The incumbent directs the establishment and maintenance of policies, procedures, and records for all elements of the program. The program is challenged by the complexity and breadth of issues which includes technical, intimidation, harassment, management and personnel, and misconduct and wrongdoing.

Performance Improvement

Figure 1-5



7.0 Vice President Special Projects

This position provides dedicated oversight for the leadership and coordination of TVA Nuclear organizational and process redesign efforts.

8.0 Senior Vice President Nuclear Operations

This position reports directly to the CNO. Responsibilities include oversight of the licensed NPG nuclear plants. Direct reports are the three Site Vice Presidents.

8.1 Vice President Browns Ferry Nuclear Plant (BFN)

The Site Vice President is responsible and accountable for activities at the site including operations, modifications, maintenance, support, and engineering services. This includes determining the nature and extent of onsite and offsite support services required to support assigned site operations in accordance with NPG policy and procedures. This also includes quality of work activities.

The Site Vice President's direct reports and/or administrative areas and functional reporting relationships are provided in Figure 1.6.

8.1.1 Manager Site Engineering

This position is responsible for integrated management and execution of site projects to provide overall management of the Engineering Design, Systems Engineering, Engineering Support, Technical Support, Components Test and Inspection functions at the site, including both outage and recovery. This responsibility specifically includes managing activities necessary for capital work in support of the operating unit(s), refueling outages, and to recover units from long-term outages safely, within budget, on schedule, in accordance with Federal and state regulations and TVA policies and procedures, and in a manner to maintain technical integrity of TVA's facilities.

8.1.2 Manager Site Training

This position directs the planning, development, implementation, and evaluation of federally-regulated and nationally-accredited Training Programs to ensure sufficient qualified personnel to operate, maintain, and modify the nuclear power plant. The nuclear industry's training organization, the National Academy for Nuclear Training, is managed by INPO, the industry's self-governance organization. Through the Academy's National Nuclear Accrediting Board, the applicable NPG Training Programs in operations, maintenance, and technical training have been accredited. Generally, maintaining Academy accreditation is sufficient to satisfy applicable federal regulations. Even more

critical than meeting external expectations is the assurance that the nuclear power plant work force has been properly trained on a task-by-task basis to perform individual and team duties in an accurate, timely, and safe manner. This position is responsible for establishing, delivering, and maintaining such performance-based personnel Training Programs.

8.1.3 Manager Site Support

This position directs the work of Corporate employees assigned to the site who are responsible for financial activities to provide the overall accounting, budget, and business reporting processes for all areas of activity at the site. In addition, the Site Support Staff is responsible for the development, implementation, and oversight of site analysis and reporting systems to report key indicators, compile data that can be utilized to reduce costs, and increase overall site effectiveness and efficiency. Additionally, the Site Support Staff is responsible for maintaining the site's Corrective Action Program, which identifies and corrects problems and adverse conditions in a manner consistent with the nature of the conditions and its importance to plant safety or plant reliability.

8.1.3.1 Manager Performance Improvement

This position is responsible for the development, implementation, and oversight of site analysis and reporting systems to report key indicators, compile data that can be utilized to reduce costs, and increase overall site effectiveness and efficiency. The Performance Improvement staff is also responsible for maintaining the site Corrective Action Program that identifies and corrects problems and adverse conditions in a manner consistent with the nature of the conditions and the importance to plant safety or reliability. This position reports directly to the Manager Site Support.

8.1.3.2 Manager Project Management

This position is responsible for cost engineering functions including estimating, forecasting, trending/scope control, data analysis, and reporting. Other responsibilities include ensuring technical and programmatic cost requirements of the site organizations (including contractors). Site senior management and TVA executive management are quantified, integrated, and supported by established processes to a high degree of consistency and reliability. This position reports to the GM, Project Management and has a reporting relationship (dotted line) to the Manager Site Support.

8.1.4 Manager Site Emergency Preparedness

This position is responsible for directing the technical professionals of the Site Emergency Preparedness (EP) organization which provides technical direction and support the site staffs in managing the development, maintenance, and implementation of the site-specific portions of the Nuclear Power Group (NPG) Radiological Emergency Plan, site Emergency Plan implementing procedures, site response organization, facilities, and communications programs to meet NRC Federal regulations for maintaining an operating license and to provide protective measures to ensure the health and safety of TVA employees and the general public in the event of an accident at a NPG facility.

8.1.5 Specialist Site Concerns Resolution

This position is responsible for implementing and managing the Site Concerns Resolution Program to receive, evaluate, and initiate actions for resolution of employee concerns regarding NPG activities. Responsibilities also include nurturing an environment free of intimidation, harassment, or discrimination. This position reports directly to the Concerns Resolution Manager (Corporate), which provides the program is sufficiently independent and freed to ensure that employee concerns are properly addressed. This position has a reporting relationship (dotted line) to the Site Vice President.

8.1.6 Manager Site Nuclear Assurance

This position provides oversight of quality activities associated with the operation of BFN. Responsibilities are described in detail in TVA's Nuclear Quality Assurance Plan (TVA-NQA-PLN89-A). This position reports to the General Manager, Nuclear Assurance (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.1.7 Manager Site Licensing and Industry Affairs

This position provides licensing services associated with the site operating license. This position serves as the primary interface with the NRC for site-related matters. This position reports to the Senior Manager, Licensing (Corporate) and has a reporting relationship (dotted line) to the Site Vice President. This manager is responsible for developing the vision and strategy for the site in the areas of the NRC, INPO, NEI, and other industry interfaces.

8.1.8 Manager Site Nuclear Security

This position is responsible for the management and direction of the Site Nuclear Security Program to ensure security at the nuclear plant sites and compliance with TVA and NRC requirements. This position reports to the General Manager Emergency Services (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.1.9 Manager Site Human Resources

This position serves as an advisor for Human Resource Program delivery to the nuclear site. In conjunction with line management, this position administers Human Resource policies and practices and consults with line management to develop workforce plans, staffing and recruiting plans, and succession plans. This position also provides consultation in areas such as performance management, compensation and labor relations. This position reports to the Senior Manager, Human Resource Operations (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.1.10 General Manager Nuclear Site Operations

This position is responsible for ensuring that plant operations and support activities are conducted in accordance with all applicable regulations, technical specification, TVA procedures, Federal, State, and Local requirements. The incumbent ensures safe operation of plant systems and plant shutdown or cessation of operations when continuation would create unsafe conditions or noncompliance with regulations. Further responsibilities include developing and monitoring plant organizational goals and objectives for consistency with NPG goals and objectives as delineated through TVA policies, programs, and procedures.

This position's direct reports and/or areas of administrative responsibilities are provided in Figure 1-7.

8.1.10.1 Assistant Plant Manager (APM) - Daily Focus

The position's primary responsibility and authority is ensuring safe, reliable, and efficient plant operations in conformance and compliance with all federal, state, and local laws and regulations. Other responsibilities include: ensuring that hardware and software modifications or revisions made subsequent to the original design or construction of the project are authorized and carried out in accordance with procedures and instructions; ensuring that established acceptance criteria are satisfied before plant systems or components are returned to normal

operation; and ensuring that adequate and complete records and reports are developed and maintained and that plant personnel are appropriately trained and qualified for their jobs. The position provides operation and maintenance support to the plant and appoints the chairman and other members of the Plant Operational Review Committee. This position reports to the General Manager, Site Operations.

8.1.10.1.1 Manager Maintenance

This position is responsible for planning, directing, and managing the plant's Maintenance Program to ensure that equipment and systems are maintained in accordance with operability and reliability engineering practices and requirements. Other responsibilities include and maintenance of the site measuring and test equipment tool rooms; maintenance and testing of the relaying associated with the transmission system, switchyard maintenance, generator protection, and the auxiliary power system; maintenance and testing of all in-plant radios, and all external plant communications systems (with the exception of the Bell system and AT&T equipment).

8.1.10.1.2 Manager Radiological Protection

This position guides programs and activities at the plant ensuring that all operations, maintenance, modifications and engineering activities are conducted in a radiological safe manner and protect plant systems and equipment. This includes developing, implementing, and managing the Site Radiological Program; provides technical assistance (guidance) and project management activities in support of the site consistent with regulatory requirements; develops and maintains procedures and applies standards necessary for the Radiological Protection Program; supports the Site Training Program and provides specialized training in radiological disciplines; ensures compliance with personnel radiation

requirements; maintains continuing records of personnel exposure, plant radiation and contamination levels and; implementation of effective site programs for radiochemistry and radiological compliance.

8.1.10.1.3 Manager Chemistry/Environmental

This position guides programs and activities at the plant ensuring that all operations, maintenance, modifications, and engineering activities that potentially impact plant chemistry/environmental are conducted in a manner consistent with applicable federal and state regulations and protect the plant systems, equipment, and the environment.

8.1.10.1.4 Manager Work Management

This position provides overall responsibility for scheduling of all on line work. Responsible for establishing work priorities and coordinating shift turnover; managing the plant scheduling processes; and ensuring efficient and effective management of the work control function that is the basis of the site schedule.

8.1.10.1.5 Manager Operations

This position provides responsibility for planning, organizing, setting policy, and motivation relating to Operations, and supporting activities (e.g., fire protection surveillances). These activities include operational strategies for generation, water and waste usage, approval authority for system enhancements, and prioritization of maintenance activities. To meet these objectives, functions related to Operations and supporting activities are grouped under one manager responsible for facility generation (i.e., Manager, Operations). This position serves as Chairman of the Plant Operations Review Committee.

8.1.10.2 Assistant Plant Manager (APM) - Outage Focus

The position's primary responsibility and authority is ensuring safe, reliable, and efficient plant outages in

conformance and compliance with all federal, state, and local laws and regulations. Ensures that hardware and software modifications or revisions made subsequent to the original design or construction of the project are authorized and carried out in accordance with procedures and instructions and ensures that established acceptance criteria are satisfied before plant systems or components are returned to normal operation. This position reports to the General Manager, Site Operations

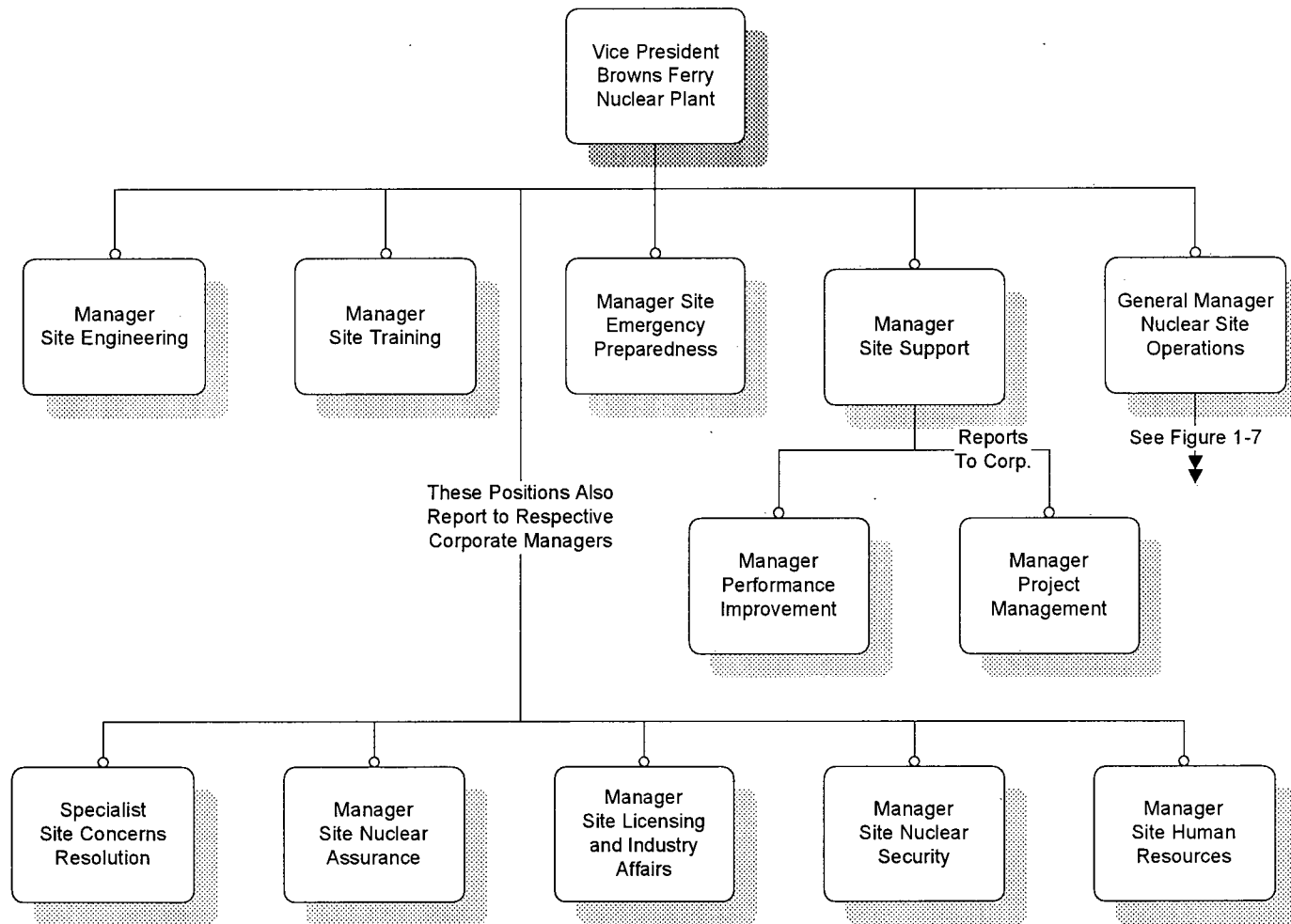
8.1.10.2.1 Manager Outages

This position is responsible for planning and scheduling of major outage work. The incumbent ensures the development of outage budgets, implementation and execution of the outage plan and procurement of required materials.

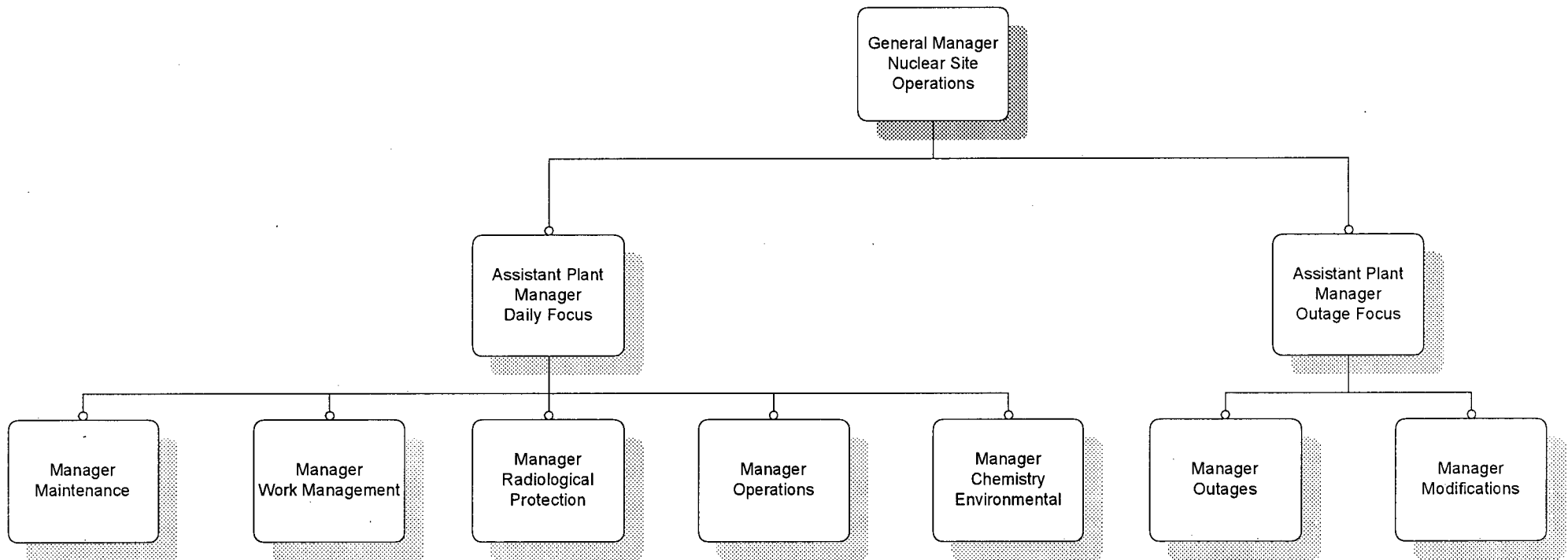
8.1.10.2.2 Manager Modifications

This position is responsible for planning and scheduling of major modifications and projects. The incumbent ensures scope of work is appropriately defined and planned to minimize impact on site operations.

Site Vice President Browns Ferry Nuclear Plant Figure 1-6



Browns Ferry Nuclear Plant Nuclear Site Operations Figure 1-7



8.2 Vice President Sequoyah Nuclear Plant (SQN)

The Site Vice President is responsible and accountable for activities at the site including operations, modifications, maintenance, support, and engineering services. This includes determining the nature and extent of onsite and offsite support services required to support site operations in accordance with NPG's policy and procedures. This also includes quality of work activities.

The Site Vice President's direct reports and/or administrative areas and functional reporting relationships are provided in Figure 1-8.

8.2.1 Manager Site Engineering

This position is responsible for integrated management and execution of site projects to provide overall management of the Engineering Design, Systems Engineering, Engineering Support, Technical Support, Components Test and Inspection functions at the site, including both outage and recovery. This responsibility specifically includes managing activities necessary for capital work in support of the operating unit(s), refueling outages, and to recover units from long-term outages safely, within budget, on schedule, in accordance with Federal and state regulations and TVA policies and procedures, and in a manner to maintain technical integrity of TVA's facilities.

8.2.2 Manager Site Training

This position directs the planning, development, implementation, and evaluation of federally-regulated and nationally-accredited Training Programs to ensure sufficient qualified personnel to operate, maintain, and modify the nuclear power plant. The nuclear industry's training organization, the National Academy for Nuclear Training, is managed by INPO, the industry's self-governance organization. Through the Academy's National Nuclear Accrediting Board, the applicable NPG Training Programs in operations, maintenance, and technical training have been accredited. Generally, maintaining Academy accreditation is sufficient to satisfy applicable federal regulations. Even more critical than meeting external expectations is the assurance that the nuclear power plant work force has been properly trained on a task-by-task basis to perform individual and team duties in an accurate, timely, and safe manner. This position is responsible for establishing, delivering, and maintaining such performance-based personnel Training Programs.

8.2.3 Manager Site Support

This position directs the work of corporate employees assigned to the site who are responsible for financial activities to provide the

overall accounting, budget, and business reporting processes for all areas of activity at the site. In addition, the Site Support Staff is responsible for the development, implementation, and oversight of site analysis and reporting systems to report key indicators, compile data that can be utilized to reduce costs, and increase overall site effectiveness and efficiency. Additionally, the Site Support Staff is responsible for maintaining the site's Corrective Action Program, which identifies and corrects problems and adverse conditions in a manner consistent with the nature of the conditions and its importance to plant safety or plant reliability.

8.2.3.1 Manager Performance Improvement

This position is responsible for the development, implementation, and oversight of site analysis and reporting systems to report key indicators, compile data that can be utilized to reduce costs, and increase overall site effectiveness and efficiency. The Performance Improvement staff is also responsible for maintaining the site Corrective Action Program that identifies and corrects problems and adverse conditions in a manner consistent with the nature of the conditions and the importance to plant safety or reliability. This position reports directly to the Manager Site Support.

8.2.3.2 Manager Project Management

This position is responsible for cost engineering functions including estimating, forecasting, trending/scope control, data analysis, and reporting. Other responsibilities include ensuring technical and programmatic cost requirements of the site organizations (including contractors). Site senior management and TVA executive management are quantified, integrated, and supported by established processes to a high degree of consistency and reliability. This position also has responsibility for corporate employees that are assigned to the site and are responsible for Information Services. This position reports to the GM, Project Management and has a reporting relationship (dotted line) to the Site Support Manager.

8.2.4 Manager Site Emergency Preparedness

This position is responsible for directing the technical professionals of the Site Emergency Preparedness (EP) organization which provides technical direction and support the site staffs in managing the development, maintenance, and implementation of the site-specific portions of the Nuclear Power

Group (NPG) Radiological Emergency Plan, site Emergency Plan implementing procedures, site response organization, facilities, and communications programs to meet NRC Federal regulations for maintaining an operating license and to provide protective measures to ensure the health and safety of TVA employees and the general public in the event of an accident at a NPG facility.

8.2.5 Specialist Site Concerns Resolution

This position is responsible for implementing and managing the site Concerns Resolution Program to receive, evaluate, and initiate actions for resolution of employee concerns regarding TVA Nuclear activities. Responsibilities also include nurturing an environment free of intimidation, harassment, or discrimination. This position reports directly to the Concerns Resolution Manager (Corporate), which provides the program is sufficiently independent and freed to ensure that employee concerns are properly addressed. This position has a reporting relationship (dotted line) to the Site Vice President.

8.2.6 Manager Site Nuclear Assurance

This position provides oversight of quality activities associated with the operation of SQN. Responsibilities are described in detail in TVA's Nuclear Quality Assurance Plan (TVA-NQA-PLN89-A). This position reports to the General Manager, Nuclear Assurance (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.2.7 Manager Site Licensing and Industry Affairs

This position provides licensing services associated with the site operating license. This position serves as the primary interface with the NRC for site-related matters. This position reports to the Senior Manager, Licensing (Corporate) and has a reporting relationship (dotted line) to the Site Vice President. This manager is responsible for developing the vision and strategy for the site in the areas of the NRC, INPO, NEI, and other industry interfaces.

8.2.8 Manager Site Nuclear Security

This position is responsible for the management and direction of the Site Nuclear Security Program to ensure security at the nuclear plant sites and compliance with TVA and NRC requirements. This position reports to the General Manager Emergency Services (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.2.9 Manager Site Human Resources

This position serves as an advisor for Human Resource Program delivery to the nuclear site. In conjunction with line management, this position administers Human Resource policies and practices and consults with line management to develop workforce plans, staffing and recruiting plans, and succession plans. This position also provides consultation in areas such as performance management, compensation and labor relations. This position reports to the Senior Manager, Human Resource Operations (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.2.10 Plant Manager

The position's primary responsibility and authority is ensuring safe, reliable, and efficient plant operations in conformance and compliance with all federal, state, and local laws and regulations. Other responsibilities include: ensuring that hardware and software modifications or revisions made subsequent to the original design or construction of the project are authorized and carried out in accordance with procedures and instructions; ensuring that established acceptance criteria are satisfied before plant systems or components are returned to normal operation; and ensuring that adequate and complete records and reports are developed and maintained and that plant personnel are appropriately trained and qualified for their jobs. The position provides operation and maintenance support to the plant and appoints the chairman and other members of the Plant Operational Review Committee.

This position's direct reports and/or areas of administrative responsibilities are provided in Figure 1-9.

8.2.10.1 Manager Maintenance and Modifications

This position is responsible for planning, directing, and managing the plant's Maintenance Program to ensure that equipment and systems are maintained in accordance with operability and reliability engineering practices and requirements. Other responsibilities include major outage work and modifications; development, implementation, and maintenance of the site measuring and test equipment tool rooms; maintenance and testing of the relaying associated with the transmission system, switchyard maintenance, generator protection, and the auxiliary power system; maintenance and testing of all in-plant radios, and all external plant communications systems (with the exception of the Bell system and AT&T equipment).

8.2.10.2 Manager Radiological Protection

This position guides programs and activities at the plant ensuring that all operations, maintenance, modifications and engineering activities are conducted in a radiological safe manner and protect plant systems and equipment. This includes developing, implementing, and managing the Site Radiological Program; provides technical assistance (guidance) and project management activities in support of the site consistent with regulatory requirements; develops and maintains procedures and applies standards necessary for the Radiological Protection Program; supports the Site Training Program and provides specialized training in radiological disciplines; ensures compliance with personnel radiation requirements; maintains continuing records of personnel exposure, plant radiation and contamination levels and; implementation of effective site programs for radiochemistry and radiological compliance.

8.2.10.3 Manager Chemistry/Environmental

The position guides programs and activities at the plant ensuring that all operations, maintenance, modifications, and engineering activities that potentially impact plant chemistry/environmental are conducted in a manner consistent with applicable federal and state regulations and protect the plant systems, equipment, and the environment.

8.2.10.4 Manager Outage and Site Scheduling

This position provides overall responsibility for outage planning, coordination, and monitoring. This includes: planning all outages; establishes work priorities and coordinating shift turnover; managing the plant scheduling processes; and ensuring efficient and effective management of the work control function that is the basis of the site schedule.

8.2.10.5 Manager Operations

This position has responsibility for planning, organizing, setting policy, and motivation relating to Operations, and supporting activities (e.g., fire protection surveillances). These activities include operational strategies for generation, water and waste usage, approval authority for system enhancements, and prioritization of maintenance activities. To meet these objectives,

functions related to Operations and supporting activities are grouped under one manager responsible for facility generation (i.e., Manager, Operations). This position serves as Chairman of the Plant Operations Review Committee. Two principal reports include Superintendent, Operations and Superintendent, Operations Support.

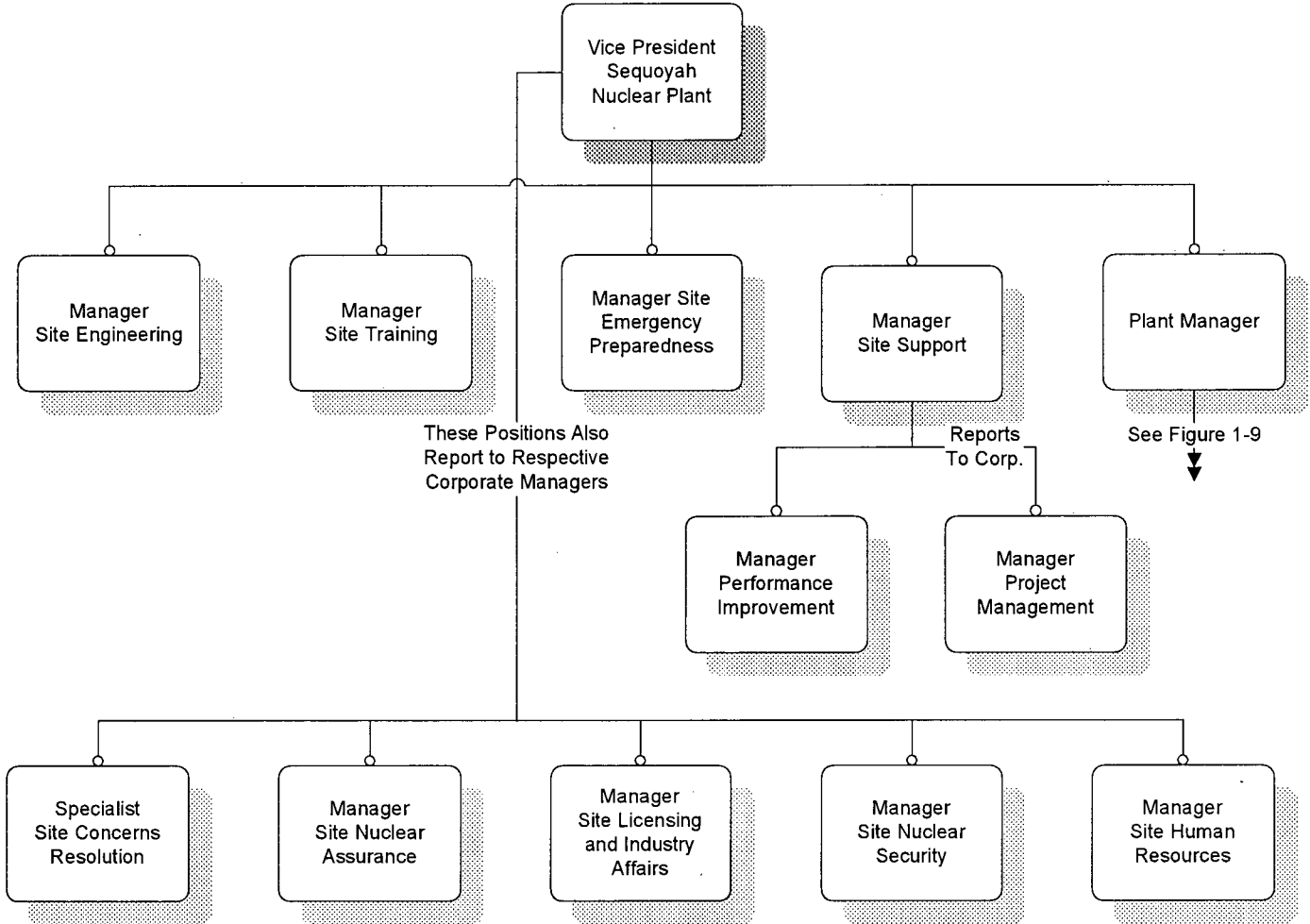
8.2.10.5.1 Superintendent Operations

This position is responsible for all plant operations. The superintendent, through the shift operations supervisors, manages the day-to-day operation of the facility, refueling operations, start-up, operational testing, water and waste processing, and plant operations. Other responsibilities include coordinating and scheduling the Training Program for all Operations personnel as well as providing the nucleus for emergency response teams. The shift crew for one unit operating normally consists of the Shift Manager, Unit Supervisor, Nuclear Unit Operators, and Assistant Unit Operators. Additional licensed and non-licensed personnel are required for two-unit operation. Additional operators are assigned as required by the Technical Specifications to meet the requirements of 10 CFR 50.54(m)(2). Plant management and technical support personnel will be present or on call at all times.

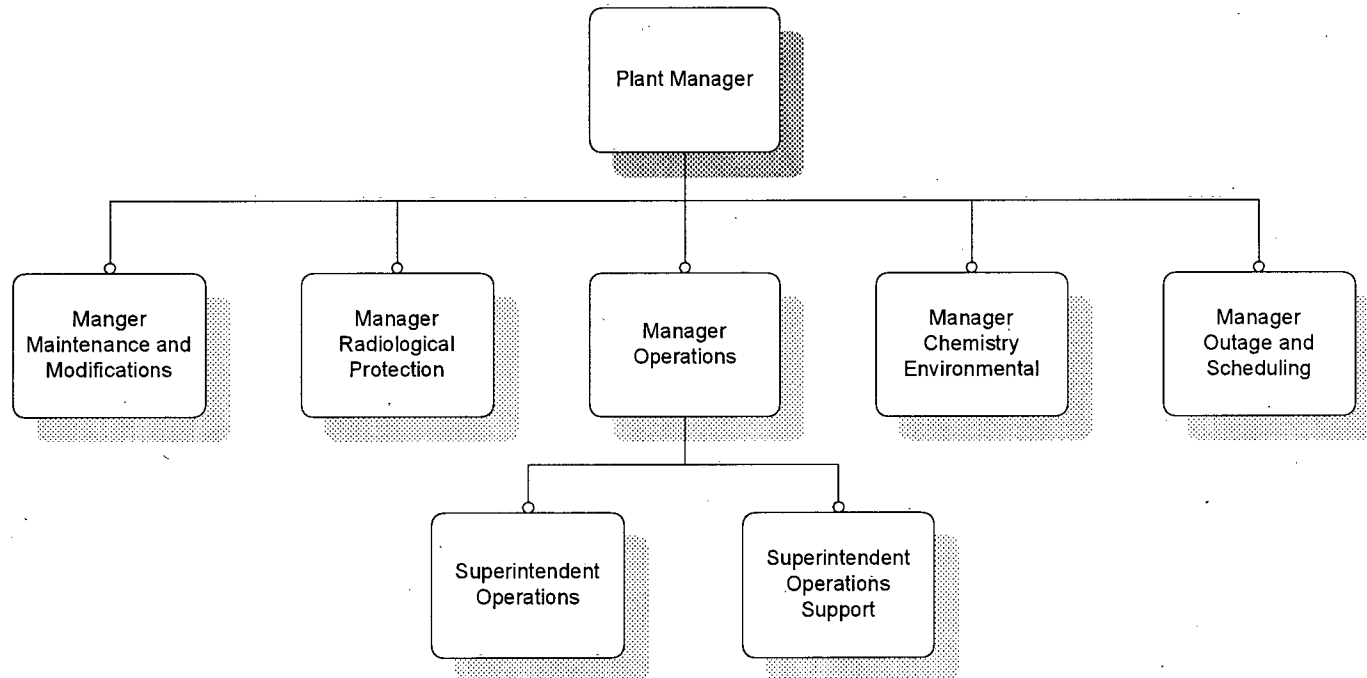
8.2.10.5.2 Superintendent Operations Support

This position is responsible for budget preparation, training oversight, performance monitoring, and assists the Manager, Operations, in overall program direction for operations. The Supervisor, Fire Operations, with the overall responsibility for the Fire Protection Program, reports to the Superintendent, Operations Support.

Site Vice President Sequoyah Nuclear Plant Figure 1-8



Sequoyah Nuclear Plant Plant Manager Figure 1-9



8.3 Vice President Watts Bar Nuclear Plant (WBN)

The Site Vice President is responsible and accountable for activities at the site, including U1 operations, modifications, maintenance, support, and engineering services. This includes determining the nature and extent of onsite and offsite support services required to support site operations and activities in accordance with TVA NPG policy and procedures. This also includes quality of work activities.

The Site Vice President's direct reports and/or administrative areas and functional reporting relationships are provided in Figure 1-10.

8.3.1 Manager Site Engineering

This position is responsible for integrated management and execution of site projects to provide overall management of the Engineering Design, Systems Engineering, Engineering Support, Technical Support, Components Test and Inspection functions at the site, including both outage and recovery. This responsibility specifically includes managing activities necessary for capital work in support of the operating unit(s), refueling outages, and to recover units from long-term outages safely, within budget, on schedule, in accordance with Federal and state regulations and TVA policies and procedures, and in a manner to maintain technical integrity of TVA's facilities.

8.3.2 Manager Site Training

This position directs the planning, development, implementation, and evaluation of federally regulated and nationally accredited Training Program to ensure sufficient qualified personnel to operate, maintain, and modify the nuclear power plant. The nuclear industry's training organization, the National Academy for Nuclear Training, is managed by INPO, the industry's self-governance organization. Through the Academy's National Nuclear Accrediting Board, all 12 applicable NPG Training Programs in operations, maintenance, and technical training have been accredited. Generally, maintaining Academy accreditation is sufficient to satisfy applicable federal regulations. Even more critical than meeting external expectations is the assurance that the nuclear power plant work force has been properly trained on a task-by-task basis to perform individual and team duties in an accurate, timely, and safe manner. This position is responsible for establishing, delivering, and maintaining such performance-based personnel Training Programs.

8.3.3 Manager Site Support

The position directs the work of Corporate employees assigned to the site who are responsible for financial activities to provide the overall accounting, budget, and business reporting processes for all areas of activity at the site. In addition, the Site Support Staff is responsible for the development, implementation, and oversight of site analysis and reporting systems to report key indicators, compile data that can be utilized to reduce costs, and increase overall site effectiveness and efficiency. Additionally, the Site Support Staff is responsible for maintaining the site's Corrective Action Program, which identifies and corrects problems and adverse conditions in a manner consistent with the nature of the conditions and its importance to plant safety or plant reliability.

8.3.3.1 Manager Performance Improvement

This position is responsible for the development, implementation, and oversight of site analysis and reporting systems to report key indicators, compile data that can be utilized to reduce costs, and increase overall site effectiveness and efficiency. The Performance Improvement staff is also responsible for maintaining the site Corrective Action Program that identifies and corrects problems and adverse conditions in a manner consistent with the nature of the conditions and the importance to plant safety or reliability. This position reports directly to the Manager Site Support.

8.3.3.2 Manager Project Management

This position is responsible for cost engineering functions including estimating, forecasting, trending/scope control, data analysis, and reporting. Other responsibilities include ensuring technical and programmatic cost requirements of the site organizations (including contractors). Site senior management and TVA executive management are quantified, integrated, and supported by established processes to a high degree of consistency and reliability. This position also has responsibility for corporate employees that are assigned to the site and are responsible for Information Services. This position reports to the GM, Project Management and has a reporting relationship (dotted line) to the Site Support Manager.

8.3.4 Manager Site Emergency Preparedness

This position is responsible for directing the technical professionals of the Site Emergency Preparedness (EP) organization which provides technical direction and support the site staffs in managing the development, maintenance, and implementation of the site-specific portions of the Nuclear Power Group (NPG) Radiological Emergency Plan, site Emergency Plan implementing procedures, site response organization, facilities, and communications programs to meet NRC Federal regulations for maintaining an operating license and to provide protective measures to ensure the health and safety of TVA employees and the general public in the event of an accident at a NPG facility.

8.3.5 Specialist Site Concerns Resolution

This position is responsible for implementing and managing the site Concerns Resolution Program to receive, evaluate, and initiate actions for resolution of employee concerns regarding TVA Nuclear activities. Responsibilities also include nurturing an environment free of intimidation, harassment, or discrimination. This position reports directly to the Concerns Resolution Manager (Corporate), which provides the program is sufficiently independent and freed to ensure that employee concerns are properly addressed. This position has a reporting relationship (dotted line) to the Site Vice President.

8.3.6 Manager Site Nuclear Assurance

This position provides oversight of quality activities associated with the operation of WBN. Responsibilities are described in detail in TVA's Nuclear Quality Assurance Plan (TVA-NQA-PLN89-A). This position reports to the General Manager, Nuclear Assurance (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.3.7 Manager Site Licensing and Industry Affairs

This position provides licensing services associated with the site operating license. This position serves as the primary interface with the NRC for site-related matters. This position reports to the Senior Manager, Licensing (Corporate) and has a reporting relationship (dotted line) to the Site Vice President. This manager is responsible for developing the vision and strategy for the site in the areas of the NRC, INPO, NEI, and other industry interfaces.

8.3.8 Manager Site Nuclear Security

This position is responsible for the management and direction of the Site Nuclear Security Program to ensure security at the nuclear plant sites and compliance with TVA and NRC requirements. This position reports to the General Manager

Emergency Services (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.3.9 Manager Site Human Resources

This position serves as an advisor for Human Resource Program delivery to the nuclear site. In conjunction with line management, this position administers Human Resource policies and practices and consults with line management to develop workforce plans, staffing and recruiting plans, and succession plans. This position also provides consultation in areas such as performance management, compensation and labor relations. This position reports to the Senior Manager, Human Resource Operations (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

8.3.10 Plant Manager

The position's primary responsibility and authority is ensuring safe, reliable, and efficient plant operations in conformance and compliance with all federal, state, and local laws and regulations. Other responsibilities include: ensuring that hardware and software modifications or revisions made subsequent to the original design or construction of the project are authorized and carried out in accordance with procedures and instructions; ensuring that established acceptance criteria are satisfied before plant systems or components are returned to normal operation; and ensuring that adequate and complete records and reports are developed and maintained and that plant personnel are appropriately trained and qualified for their jobs. The position provides operation and maintenance support to the plant and appoints the chairman and other members of the Plant Operational Review Committee.

This position's direct reports and/or areas of administrative responsibilities are provided in Figure 1-11.

8.3.11 Manager Maintenance and Modifications

This position is responsible for planning, directing, and managing the plant's Maintenance Program to ensure that equipment and systems are maintained in accordance with operability and reliability engineering practices and requirements. Other responsibilities include major outage work and modifications; development, implementation, and maintenance of the site measuring and test equipment tool rooms; maintenance and testing of the relaying associated with the transmission system, switchyard maintenance, generator protection, and the auxiliary power system; maintenance and testing of all in-plant radios, and

all external plant communications systems (with the exception of the Bell System and AT&T equipment).

8.3.12 Manager Radiological Protection

This position guides programs and activities at the plant ensuring that all operations, maintenance, modifications and engineering activities are conducted in a radiological safe manner and protect plant systems and equipment. This includes developing, implementing, and managing the Site Radiological Program; provides technical assistance (guidance) and project management activities in support of the site consistent with regulatory requirements; develops and maintains procedures and applies standards necessary for the Radiological Protection Programs; supports the Site Training Program and provides specialized training in radiological disciplines; ensures compliance with personnel radiation requirements; maintains continuing records of personnel exposure, plant radiation and contamination levels and; implementation of effective site programs for radiochemistry and radiological compliance.

8.3.13 Manager Chemistry/Environmental

This position guides programs and activities at the plant ensuring that all operations, maintenance, modifications, and engineering activities that potentially impact plant chemistry/environmental are conducted in a manner consistent with applicable federal and state regulations and protect the plant systems, equipment, and the environment.

8.3.14 Manager Outage and Site Scheduling

This position provides overall responsibility for outage planning, coordination, and monitoring. This includes: planning all outages, establishes work priorities and coordinating shift turnover; managing the plant scheduling processes; and ensuring efficient and effective management of the work control function that is the basis of the site schedule.

8.3.15 Manager Operations

This position has responsibility for planning, organizing, setting policy, and motivation relating to Operations, and supporting activities (e.g., fire protection surveillances). These activities include operational strategies for generation, water and waste usage, approval authority for system enhancements, and prioritization of maintenance activities. To meet these objectives, functions related to Operations and supporting activities are grouped under one manager responsible for facility generation (i.e., Manager, Operations). This position serves as Chairman of

the Plant Operations Review Committee. Two principal reports include Superintendent, Operations and Superintendent, Operations Support.

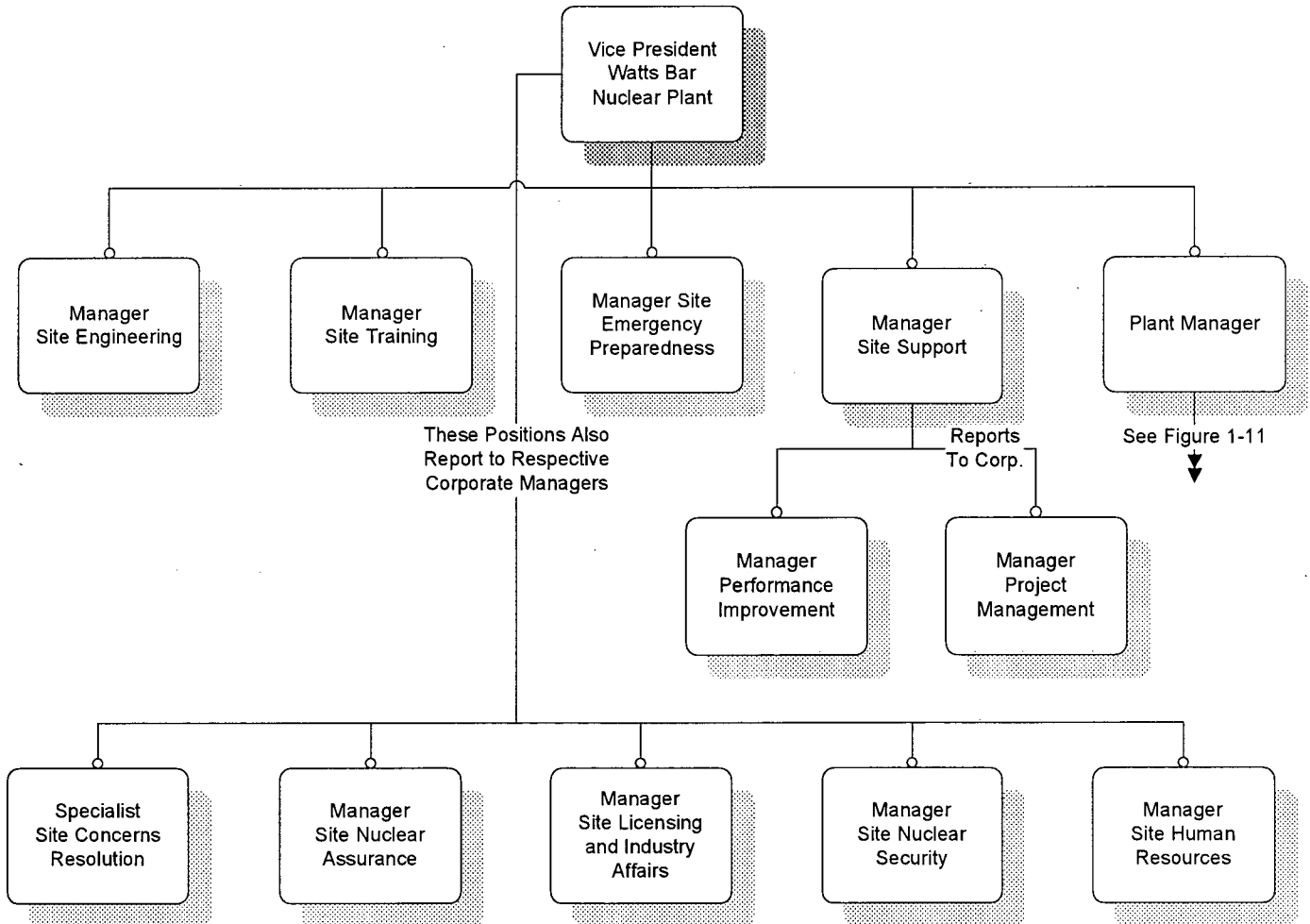
8.3.15.1 Superintendent Operations

This position is responsible for plant operations. This superintendent, through the shift managers, manages the day-to-day operation of the facility, refueling operations, start-up, operational testing, water and waste processing, and plant operations. Other responsibilities include coordinating and scheduling the Training Program for all Operations personnel as well as providing the nucleus for emergency response teams. The shift crew for one unit operating normally consists of the Shift Manager, Unit Supervisor, Nuclear Unit Operators, and Assistant Unit Operators. Additional operators are assigned as required by the Technical Specifications to meet the requirements of 10 CFR 50.54(m)(2). Plant management and technical support personnel will be present or on call at all times.

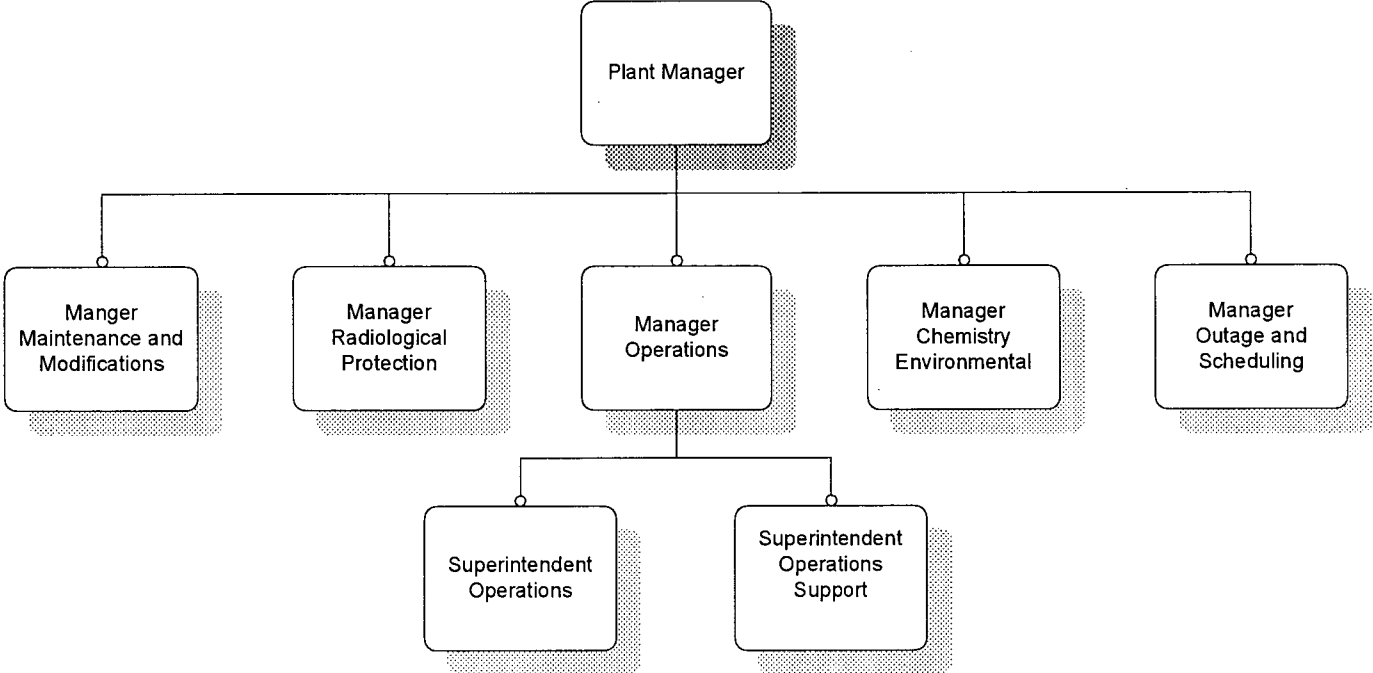
8.3.15.2 Superintendent Operations Support

The position is responsible for budget preparation, training oversight, performance monitoring, and assists the Manager, Operations, in overall program direction for operations. The Supervisor, Fire Operations, with the overall responsibility for the Fire Protection Program, reports to the Superintendent, Operations Support.

Site Vice President Watts Bar Nuclear Plant Figure 1-10



**Watts Bar Nuclear Plant
Plant Manager
Figure 1-11**



II. Chief Administrative Officer and Executive Vice President Administrative Services

This position is responsible for managing and directing multiple corporation-wide administrative functions and business services. Responsibilities include directing a broad range of activities including planning, development and implementation of procedures, practices and programs in support of TVA's mission. The incumbent also ensures that the functions support and efficiently promote the corporate goals with sound policies and integrates these functions to serve the operating organizations.

This position has seven direct reports. The Vice President Human Resources and Senior Vice President Procurement have responsibilities in support of the CNO. These responsibilities are listed below and illustrated in figure 2.0.

A. Vice President Human Resources (HR)

This position provides support to the CNO in the areas of HR Operations, Health and Safety, Technical Training and Organizational Effectiveness, Work Force Planning, Shared Resources, Compensation and HR Planning, Labor Relations, Human Resource Information Systems (HRIS), and Benefits. This position reports directly to the CAO.

This position's direct reports and/or administrative areas of responsibility are provided in Figure 2.0.

1.0 Senior Manager Human Resource Operations (HRO)

This position manages the delivery and implementation of HRO Program to all TVA organizations through HRO Service Managers and Consultants including programs such as workforce planning and staffing, leadership continuity, succession planning, performance management, compensation, employee recognition, learning and development, organizational development, and labor relations (i.e.; enhance workforce strategies and improve efficiency, innovation and competitiveness). In addition, this position serves as a change agent for innovative, cost effective HRO Program and initiatives, and assists and advises executives and managers in HRO matters.

In conjunction with the Work Force Planning Manager, the Senior Manager HRO is responsible for managing the work force planning to ensure proper staffing and skill requirements meet business needs. Other responsibilities include: ensuring an active succession planning process is in place; continually monitoring and making strategic recommendations for replacement planning; ensuring development activities are identified for progression candidates' needs; developing and implementing a vision of cultural change at respective site levels in support of the NPG Vision and Business Plan; directing the development and implementation of programs to ensure fair treatment of employees to support the desired performance changes as well as regulatory or legal requirements; and ensuring employees' concerns and complaints are addressed in a timely fashion while administering the Employee Relations Program (i.e.; positive discipline, work policies, etc.).

2.0 General Manager Health and Safety

This position is responsible for establishing programs and policies that provide and maintain healthful and safe working conditions on TVA premises in compliance with Occupational Safety and Health Act and other legal enactments. This position also manages, directs and provides strategic direction for health and safety processes including the Employee Assistance Program and the Office Workers Compensation Program. This includes directing a staff engaged in Safety Program design and implementation, ensuring a drug free workplace, emergency response and security planning, and other programs designed to promote a skilled and safe workplace. This position also provides oversight of the non-nuclear Fitness for Duty (FFD) Program ensuring components are within professional standards, and program integrity is maintained and meets federal requirements.

3.0 Senior Manager Training and Development

This position is responsible for managing, directing, and designing the strategic direction for the COO Technical Training and Solutions Support. This involves directing progressive programs and initiatives in support of operational, cultural, and human performance improvement activities.

4.0 Manager TVA Work Force Planning

This position manages the Workforce Planning function for all of TVA. Responsibilities include the governance of the attrition planning and knowledge retention program and processes that support execution of workforce planning for TVA. Other responsibilities include setting process standards for addressing business and customer needs, forecasting recruitment needs, profiling staffing availability, trending and analyzing data and analyzing labor costs to support line managers in the decision making. This position provides guidance on the process and format of the annual staffing plan that is included in the TVA Business Plans. Other services include advising the VP, Human Resources on business issues for HR such as: HR performance metrics and reporting, business planning, financial analysis and reporting, cost and performance management, compliance review and managerial reporting.

5.0 Senior Manager Shared Resources

This position manages the Shared Resources Organization to provide a highly diverse array of functions, expertise-based consulting, turn-key integrated solutions, and specialty services to TVA organizations. Functional areas of responsibility may change based on the needs of the customer, but functions include areas such as staffing and recruiting, relocation, employment and transactional processing, and HR Project Support.

6.0 Senior Manager Compensation and Human Resource Planning

This position is responsible for directing designing, and the development and evaluation of HRO Program and initiatives including compensation for managers and specialists (excluding executives) and non-represented employees, performance management, TVA's integrated staffing plan, 360 degree feedback, career development and, position selection programs for all TVA employees.

7.0 Vice President Labor Relations

This position is responsible for the development of agency-wide labor relations strategies and policies and coordination of these strategies and policies in a manner that supports achievement of TVA's strategic plan. This position contributes to TVA's overall mission and goals by establishing partnerships with union leadership, both regionally and nationally, to ensure objectives are met.

8.0 Senior Manager Human Resource Services

This position is responsible for all of TVA's HRIS and HRIS Program, HRIS Data Warehouse, Self-Service Solutions, HRIS Process/Workflow, and HRO Policies/Practices. This position is also responsible for the design and implementation of TVA's Employee Benefits Program and the operation of a centralized HRO Employee Service Center. Responsibilities include oversight and management of programs that includes strategy, integration, implementation, design, rate structure, internal controls, monitoring, and performance. Further responsibilities include employee accounting, disbursement services and personnel security.

9.0 Senior Consultant Psychological

This position is responsible for providing executive and senior management consultations psychological consultation on TVA-Wide initiatives and trauma response services.

B. Senior Vice President Procurement

This position reports to the Chief Administrative Officer and Executive Vice President Administrative Services and is responsible for management of all supply chain activities to TVA.

1.0 General Manager Materials Management Services

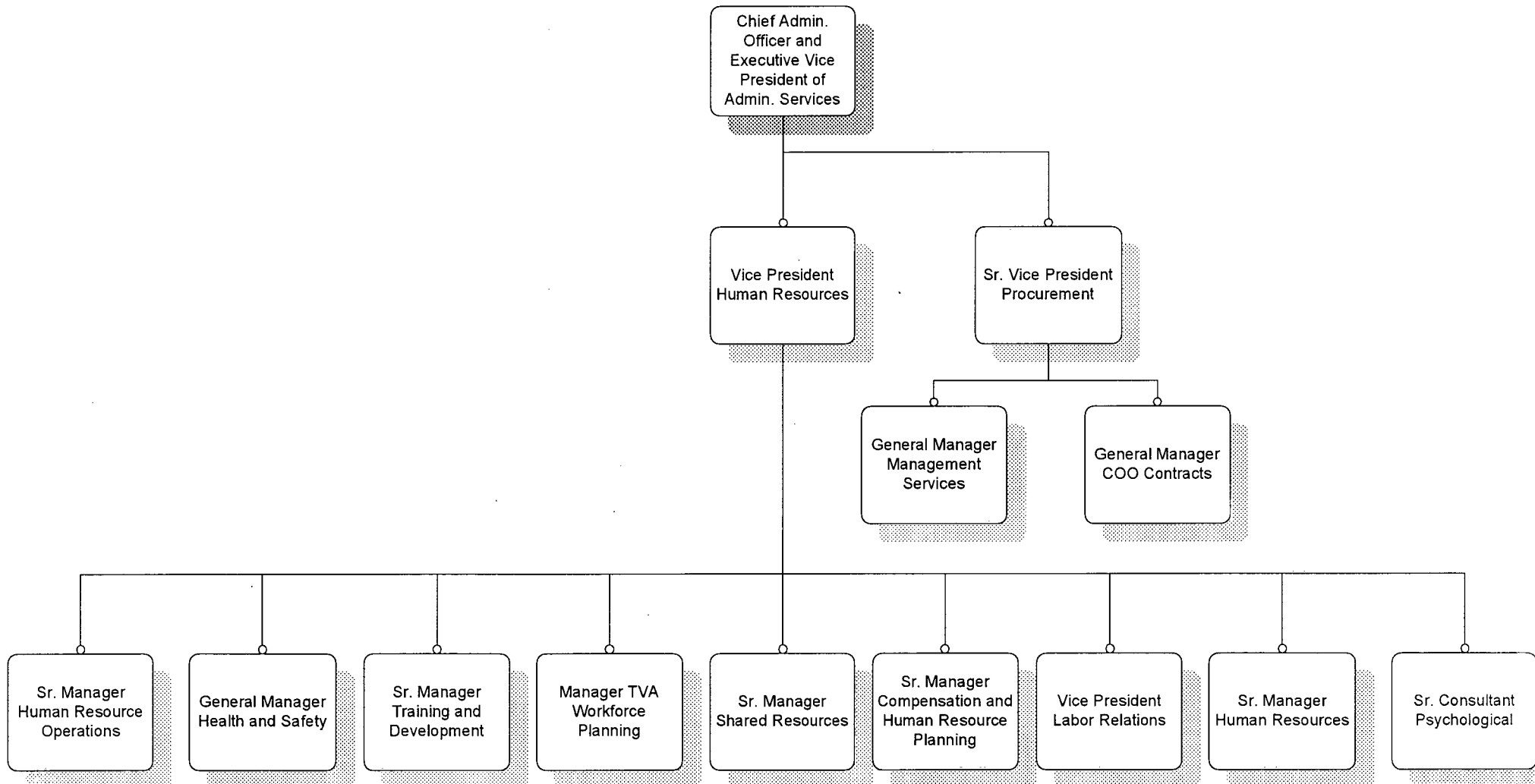
This position manages the development, coordination, implementation, and evaluation of Materials Management Services to support the NPG's sites and organizations. Responsibilities include developing strategies, policies and program direction for inventory management and warehousing technology for the entire corporation. This position supervises the Managers of NPG and Transmission Power Supply Business Sector, Fossil and Hydro Business Sector, and Inventory Analysis and Reporting.

2.0 General Manager Chief Operating Officer Contracts

This position provides efficient and timely services for highly specialized components and all other requirements. Responsibilities include developing strategies, policies and process direction consistent with TVA's overall goals for contracting activities for materials standardization efforts, for strategic alliances and leverage opportunities, and for freight transportation activities.

Administrative Services

Figure 2.0



III. Senior Vice President Nuclear Generation Development and Construction

This position is accountable for the development and construction of additional nuclear generation assets and technologies to meet demand for safe, clean, reliable and low cost power. Responsibilities include: designing, licensing and constructing facilities that have the capability to deliver top quartile performance; constructing plants with high standards for nuclear safety, personnel safety, and radiological safety in a safety conscious work environment; creating new business opportunities to meet power supply needs, and developing and maintaining margin with key regulatory bodies. This position also collaborates with and uses available resources from other government agencies and TVA organizations including NPG. This position reports directly to the COO.

Projects this position is responsible for include but are not limited to: construction completion and licensing of Watts Bar Unit 2, licensing of Bellefonte Units 3 & 4 and oversight of the Tritium Production Program at Watts Bar Unit 1.

The NGDC Concerns Resolution Specialist reports to the Senior Vice President NGDC. This provides sufficient independence and freedom to ensure that employee concerns are properly addressed.

This position's direct reports and/or administrative areas of responsibility are provided in Figure 3-0.

A. Manager Project Support

This position provides corporate governance and oversight support programs for the Nuclear Generation Development and Construction Strategic Business Unit including Corrective Action, Operating Experience, Industrial Safety, Communications, and Performance Analysis. This position is also accountable for ensuring that managed activities are conducted in accordance with all applicable TVA policies, programs and procedures.

B. Vice President Watts Bar Unit 2

This position provides management and oversight of activities to ensure safe and efficient completion of WBN Unit 2 including construction, operations, engineering, maintenance, cost scheduling, and pre-operational startup testing. This position, in conjunction with the WBN Unit 1 Site Vice President, is also responsible for thorough coordination and integration of activities with the operating unit in compliance with TVA Nuclear policies, procedures, Technical Specifications, and federal, state, and local regulations.

C. Manager New Generation Licensing and Industry Affairs – Bellefonte (BLN)

This position manages the licensing organization for new generation efforts; develops the new generation licensing vision and strategy for the organization and; interfaces with industry organizations such as the NRC, Institute of Nuclear Power Operations (INPO),

and Nuclear Energy Institute (NEI). This position is also the primary interface with the NUSTART organization and activities related to the licensing of Bellefonte 3 & 4.

- D. Manager New Generation Licensing and Industry Affairs - Watts Bar Unit 2
This position manages the licensing organization for Watts Bar Unit 2 completion project and collaborates with the licensing organization for new generation efforts; develops the new generation licensing vision and strategy for the organization and; interfaces with industry organizations such as the NRC, Institute of Nuclear Power Operations (INPO), and Nuclear Energy Institute (NEI).
- E. Manager New Generation Licensing and Industry Affairs – Strategic Projects
This position develops the licensing vision and strategy for strategic projects under the responsibility of NGDC; manages the licensing organizations established to support specific strategic projects and; interfaces with industry organizations such as the NRC, Institute of Nuclear Power Operations (INPO), and Nuclear Energy Institute (NEI).
- F. Vice President Nuclear Generation Development
This position provides oversight and directs the Nuclear Generation Development organization which is responsible for the development of new nuclear generation, including activities connected with Bellefonte and NUSTART. Responsibilities include: developing and communicating strategies and plans for how TVA's nuclear related assets can best be used to meet future needs, managing the Tritium Production Program, advising executives on new nuclear generation assets for TVA and ensuring all managed activities are conducted in accordance with appropriate TVA policies, procedures and external regulations. Additionally, this position develops key partnerships for new generation projects, where appropriate, with outside parties and with distributor customers; coordinates legislative initiatives with TVA's Office of General Counsel and Washington Office and develops Strategic Program Initiatives with Department of Energy (DOE).
- G. Vice President Strategic Projects
This position provides oversight and governance for the NGDC project management strategic approach. Responsibilities include: implementation of consistent and effective project management concepts, techniques, Software Programs, Training Program and certification; directing management of all major NGDC projects, including steam generator replacements, Dry Cask Storage Program, life extensions and; directing the nuclear project management strategic approach to ensure that managed activities are conducted in accordance with appropriate regulations and TVA policies, programs, and procedures, and federal, state and local regulations.
- H. Manager Training
This position provides corporate governance and oversight of the planning, development, implementation, and evaluation of federally regulated Training Program to ensure sufficient qualified personnel are available to design, analyze, construct and test projects under the responsibility of the Nuclear Generation Development and Construction Organization.

I. Manager Project Controls

This position manages and directs the work of a multi-discipline group to provide project control, scheduling and project risk analysis for large, complex system-wide projects. Information obtained from performance of these services will be used by Nuclear Generation Development and Construction to control costs, predict performance, identify root causes, and develop improvement solutions and ensure that project cost and schedule processes are consistently implemented across the organization.

J. Specialist Site Employee Concerns

This position is responsible for protecting the health and safety of the public by providing a confidential alternate avenue in TVA Nuclear independent of line management for employees to resolve concerns which could affect the safe and reliable operation of TVA nuclear plants. The incumbent directs the program that reviews employee concerns generated through Nuclear Generation Development and Construction projects, determines their significance, and interacts with senior project management, vice presidents across the organization, and NGDC Senior Vice President as appropriate to ensure that they are effectively resolved. The incumbent serves as the principal point of contact with the Nuclear Regulatory Commission (NRC) regarding TVA's Concerns Resolution Program. The incumbent performs a key role of decision making in NGDC regarding handling allegations raised internally to NGDC relating to possible intimidation, harassment, or discrimination against employees for raising safety concerns. The incumbent directs the establishment and maintenance of policies, procedures, and records for all elements of the program. The program is challenged by the complexity and breadth of issues which includes technical, intimidation, harassment, management and personnel, and misconduct and wrongdoing.

Nuclear Generation, Development and Construction

Figure 3.0

