



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

September 14, 2009

10 CFR 50.71(e)

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

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Sequoyah Nuclear Plant, Units 1 and 2
Facility Operating License Nos. DPR-77 and DPR-79
NRC Docket Nos. 50-327 and 50-328

Watts Bar Nuclear Plant, Unit 1
Facility Operating License No. NPF-90
NRC Docket No. 50-390

Watts Bar Nuclear Plant, Unit 2
NRC Docket No. 50-391

Subject: **Organization Topical Report, TVA-NPOD89-A**

References: 1. Letter from TVA to NRC dated August 28, 2008, "TVA Organization Topical Report, TVA-NPOD89-A"

In accordance with 10 CFR 50.71, "Maintenance of records, making of reports," paragraph (e), enclosed please find a copy of Tennessee Valley Authority (TVA) Organization Topical Report (TVA-NPOD89-A). TVA's Organization Topical Report provides organizational descriptions for the TVA Nuclear Power Group, including Browns Ferry Nuclear Plant, Sequoyah Nuclear Plant, Watts Bar Nuclear Plant, and TVA's Nuclear Generation Development and Construction organization. This report is referenced in TVA's Updated Final Safety Analysis Reports (UFSARs) for each of TVA's operating nuclear power plants and must comply with the submittal frequency requirements of the FSARs.

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As discussed in Reference 1, TVA's revised commitment date for this submittal of the Organization Topical Report is September 14, 2009. No new regulatory commitments are made by this letter.

If you have any questions or need additional information regarding this matter, please contact Rob Brown at (423) 751-7228.

Respectfully,



R. M. Krich
Vice President
Nuclear Licensing

Enclosure, Organization Topical Report, TVA-NPOD89-A
cc:

Regional Administrator – NRC Region II

NRC Senior Resident Inspector – Browns Ferry Nuclear Plant

NRC Senior Resident Inspector – Sequoyah Nuclear Plant

NRC Senior Resident Inspector – Watts Bar Nuclear Plant

ENCLOSURE

**Organization Topical Report
TVA-NPOD89-A**

TENNESSEE VALLEY AUTHORITY
ORGANIZATION TOPICAL REPORT TVA-NPOD89-A
(GENERAL REVISION)
REVISION 18

AUGUST 2009

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
REVISION 18.....	August 31, 2009

TVA NUCLEAR POWER GROUP ORGANIZATION DESCRIPTION

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 - 2.3 Manager Equipment Reliability and Component Engineering
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 - 2.6 Manager Computer Engineering
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- 4.5 Manager Corporate Nuclear Training
- 5.0 Vice President Nuclear Licensing
- 5.1 Manager Concerns Resolution Program
- 5.2 Manager Site Licensing Governance
- 5.3 Manager Corporate Licensing
- 5.4 Program Manager Nuclear Safety Review Board
- 5.5 Program Manager INPO/APOC
- 6.0 Senior Vice President Nuclear Operations
- 6.1 Vice President Browns Ferry Nuclear Plant (BFN)
- 6.2 Vice President Sequoyah Nuclear Plant (SQN)
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- 7.0 Vice President New Nuclear Generation Integration

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. Vice President Nuclear Generation Development

- 1.0 Director Bellefonte Site

B. General Manager Oversight

- 1.0 Manager Project Nuclear Assurance Bellefonte
- 2.0 Manager Project Nuclear Assurance Watts Bar Unit 2
- 3.0 Specialist NGDC Concerns Resolution
- 4.0 Manager Project Support and Controls
- C. Vice President Strategic Projects
 - 1.0 Manager NGDC Training
 - 2.0 Senior Manager Strategic Projects
- 3.0 Project Manager Extended Power Uprate (EPU) D. Vice President Watts Bar Unit 2
 - 1.0 Project Department Managers
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Abstract

This Topical Report (TVA-NPOD89-A) includes the organizational descriptions for the Nuclear Power Group (NPG) including Browns Ferry (BFN), Sequoyah (SQN), Watts Bar (WBN) Nuclear Plants, the Corporate Nuclear Power Group organization and TVA's Nuclear Generation Development and Construction (NGDC). 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 Quality 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 and NGDC organizations. 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 provided 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 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 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.

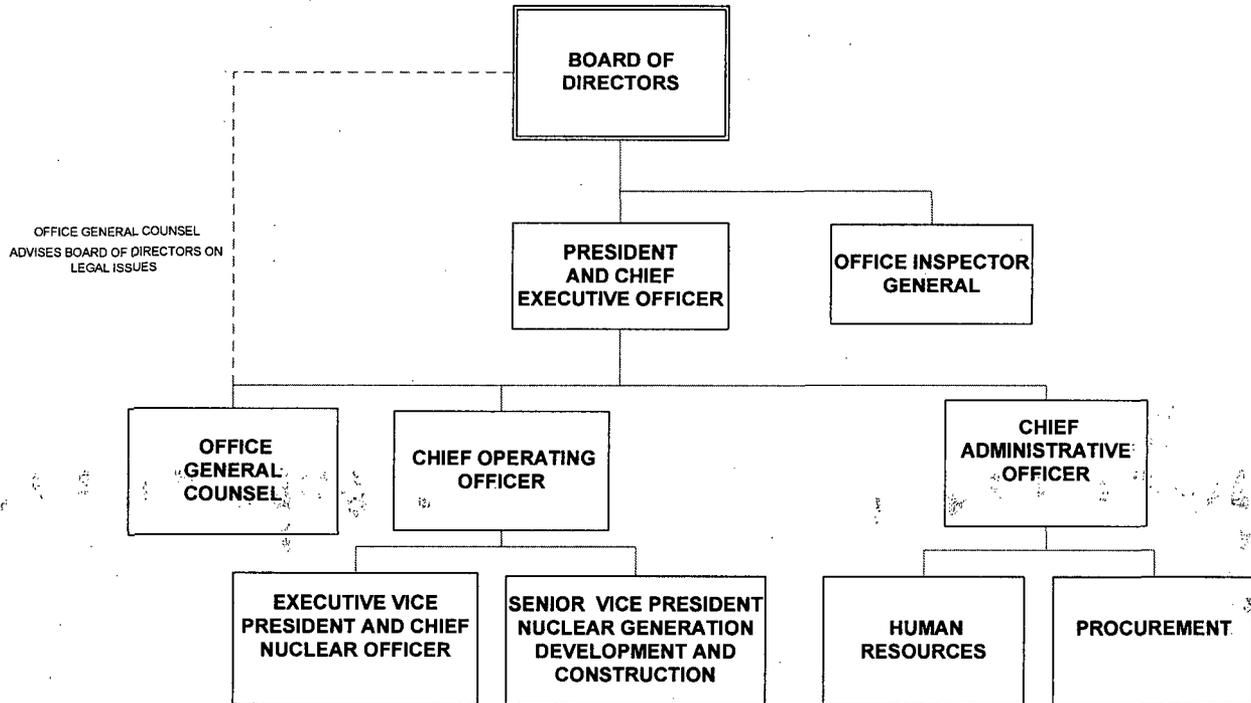
The Chief Administrative Officer (CAO) is responsible providing corporate support functions for all of TVA through TVA's Human Resources, Information Systems, Procurement, TVA Police, and Facilities Management.

The Executive Vice President and 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 (Sr.) Vice President (VP) Nuclear Generation Development and Construction is accountable for the development and construction of additional nuclear generation assets and technologies to meet demands 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.

The 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.

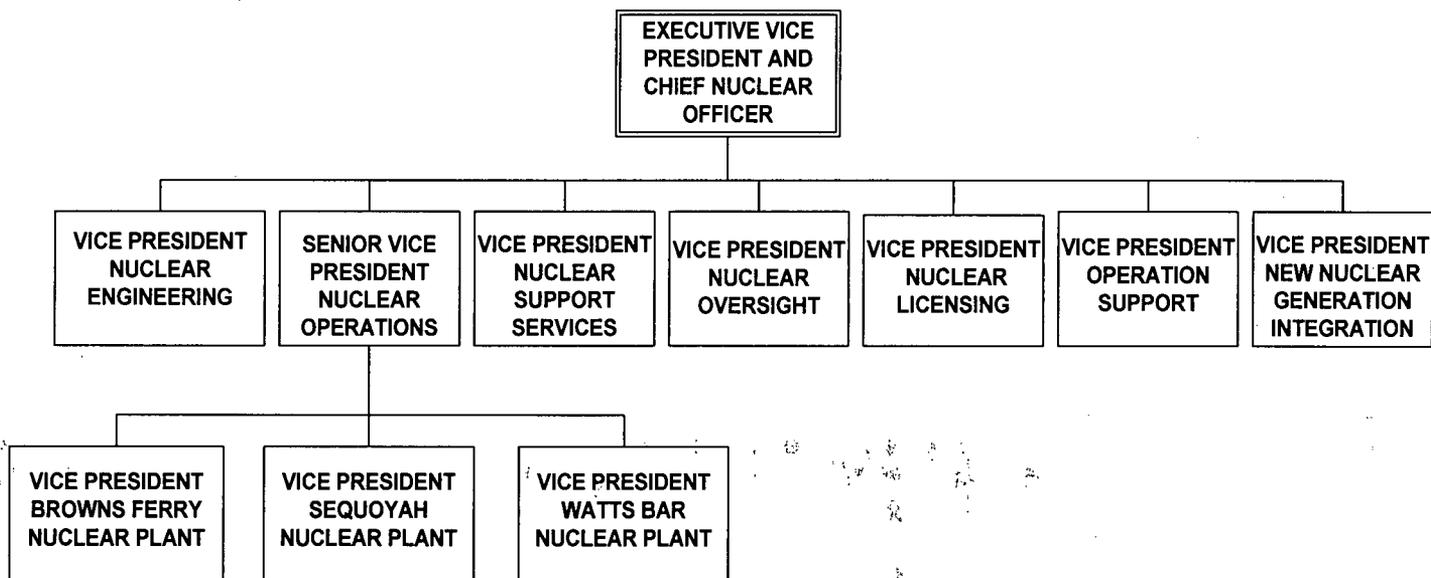
A. Executive Vice President and Chief Nuclear Officer (CNO)

The Executive Vice President and 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 Vice President and CNO has corporate responsibility for overall plant nuclear safety and shall take measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support in the plant so that continued nuclear safety is assured. The CNO reports directly to the Chief Operating Officer (COO). The COO reports directly to the Chief Executive Officer. The Executive Vice President and CNO is responsible for the overall safety, efficiency, and economy of nuclear operations. The Executive Vice President and 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 Executive Vice President and 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 Program Manager reports to

the Vice President, Nuclear Licensing, but has direct access to the Executive Vice President and CNO. This provides sufficient independence and freedom to ensure that employee concerns are properly addressed. Quality Assurance reports directly to the Vice President, Nuclear Oversight, but has direct access to the Executive Vice President and 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 Executive Vice President and CNO to ensure that future nuclear generation is coordinated with the existing fleet.

The Executive Vice President and 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 and Chief Nuclear Officer (CNO) (continued)

1.0 Vice President Nuclear Operations Support

This position provides technical support for NPG. Responsibilities include Security Operations, Emergency Preparedness Services, Nuclear Outages & Scheduling, Functional Area Oversight and Governance and Nuclear In-Processing. This manager serves as a key member of the NPG executive team and advises the Executive Vice President and 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.

1.1 Manager Nuclear Security Operations

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

1.2 Manager Emergency Preparedness

This position directs management of the Emergency Preparedness organization which provides technical direction, support and oversight for NPG's Emergency Preparedness programs, as well as directly implementing responsible offsite activities in support of these programs.

1.3 Manager Corporate Functional Area Manager

This position provides corporate oversight of Radiation Protection, Chemistry, Maintenance, Work Control and Operations 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. These positions provide leadership and direction to achieve high reliability and standardization of NPG processes to support both outage and non-outage operations at NPG sites. They also provide 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.

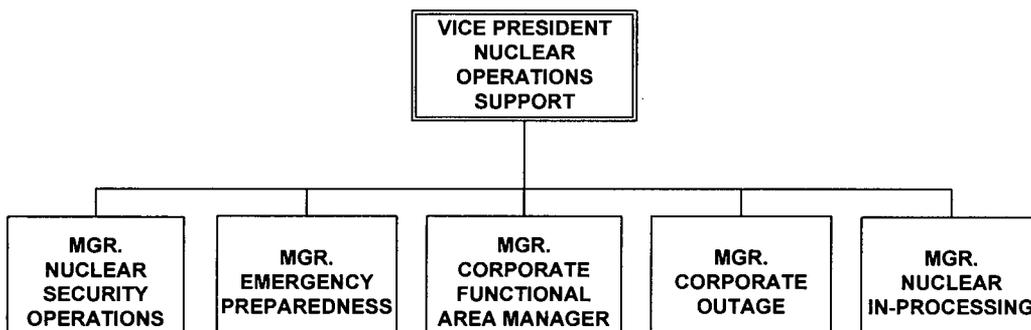
1.4 Manager Corporate Outage

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.

1.5 Manager Nuclear In-Processing

This position provides corporate governance and oversight of the plant in-processing function to ensure that the in-processing of personnel is efficient and to ensure timely in-processing of personnel who are knowledgeable of nuclear plant requirements.

**Nuclear Operations Support
Figure 1-3**



2.0 Vice President Nuclear Engineering

This position is responsible for establishing and directing all engineering functions within the NPG fleet. This includes Corporate Design Engineering, Equipment Reliability & Components Engineering, Engineering Programs, Reactor Engineering & Fuels, Corporate System Engineering, Inspection Services, and Computer Engineering. Responsibilities include governance and oversight of Site Engineering functions and policy compliance for NPG's fleet in regard to engineering 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. In addition, the Vice President, Nuclear Engineering provides direction to the Site Engineering Directors.

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

2.1 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.

2.2 Manager Design Engineering

This position manages the engineering services activities for the NPG as well as governance and oversight of Design 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 implementing technical and design authority requirements and orders to the Site Engineering Managers as authorized by the Vice President, Engineering (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.

2.3 Manager Equipment Reliability and Component Engineering

This position manages the fleet Equipment Reliability and Component Engineering activities for the NPG as well as providing governance and oversight of these functions. Responsibilities include 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.

2.4 Manager Programs Engineering

This position manages the fleet Engineering Programs activities for the NPG as well as providing governance and oversight of these functions. Responsibilities include ensuring that Engineering Programs are managed in an effective and efficient manner and 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.

2.5 Manager Reactor Engineering and Fuels

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. This position is also 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.

2.6 Manager Computer Engineering

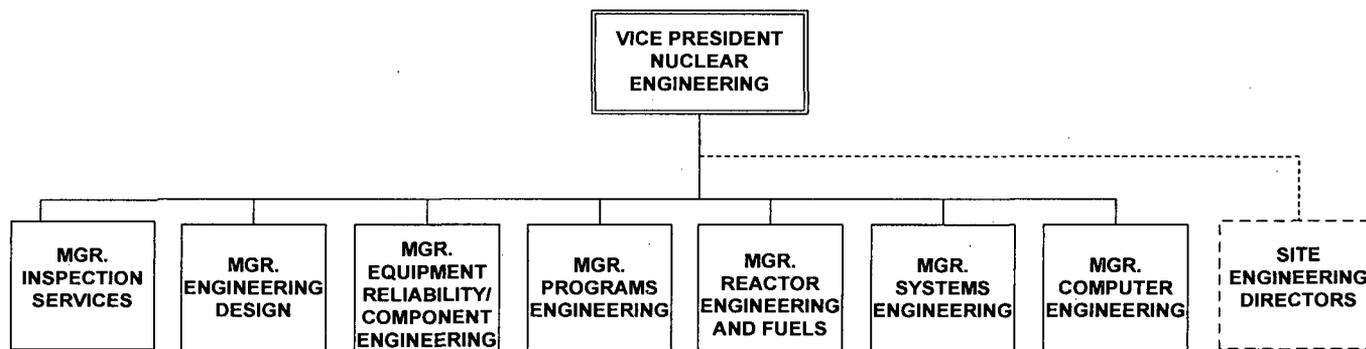
This position is responsible for managing NPG's Computer Engineering organization which is responsible for supporting real-time computer systems for NPG's Quality-Related Programs and plant process

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.

2.7 Manager Systems Engineering

This position manages the fleet Systems Engineering activities for the NPG as well as providing governance and oversight of these functions. Specific system responsibility includes Balance of Plant (BOP) Systems, Nuclear Steam Supply Systems (NSSS) and Electrical and Instrument and Control Systems. Responsibilities include 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.

Nuclear Engineering
Figure 1-4



3.0 Vice President Nuclear Support Services

This position oversees NPG's Corporate Performance Indicators and Benchmarking, Business Planning, Alliance Services, Nuclear Projects and Process Planning.

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

3.1 Manager Performance Indicators and Benchmarking

This position is responsible for developing and ensuring satisfactory implementation of a comprehensive Performance Indicators and Benchmarking Programs to provide early identification and correction of issues and precursors of issues which could impact NPG's nuclear power performance. The position provides governance and oversight of the NPG Benchmarking Performance Indicators and Benchmarking Programs.

3.2 Manager Business Planning

This position is responsible for the general management, policy guidance and oversight of all NPG business and project services.

3.3 Manager Alliance Services

This position provides governance for NPG fleet vendor alliances. In addition, this position provides governance and oversight of the Dry Cask Services for NPG.

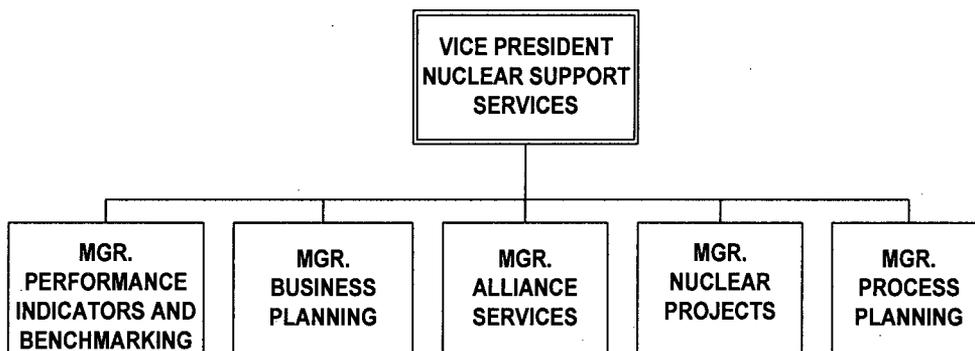
3.4 Manager Nuclear Projects

This position provides governance and oversight for the NPG project management strategic approach. Responsibilities include implementation of consistent and effective project management concepts, techniques, software programs, training programs and certification, and directing management of all fleet-wide nuclear technical projects. Directs 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.

3.5 Manager Process Planning

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.

**Nuclear Support Services
Figure 1-5**



4.0 Vice President Nuclear Oversight

The Vice President, Nuclear Oversight reports directly to the Executive Vice President and CNO. This position is responsible for directing and managing the Nuclear Power Group Oversight organization, including Quality Assurance, Performance Analysis and Assessment, Corrective Action Program, Human Performance Program and Corporate Nuclear Training. This position is responsible for leading rapid response to emerging issues that could impact plant performance. Responsibility for Quality 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 Quality Assurance internal procedures. Quality Assurance has an indirect reporting structure to the Executive Vice President and 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.

This position's direct reports and/or administrative areas of responsibilities are provided in Figure 1-6.

4.1 General Manager Quality Assurance

The General Manager Quality Assurance reports to the Vice President, Nuclear Oversight. This position has direct access to the Executive Vice President and 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 Quality Assurance administers responsibilities through the Corporate Quality Assurance Manager and the Site Quality Assurance Manager. Detailed responsibilities are described in the TVA Nuclear Quality Assurance Plan.

4.2 Manager Performance Analysis and Assessment

This position is responsible for developing and ensuring satisfactory implementation of a comprehensive Performance Analysis Assessment 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. 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.

4.3 Program Manager Corrective Action Program

This position serves as the program owner of the NPG Corrective Action Program. This position provides governance and oversight of the program and supports in identifying and correcting actions adverse to quality as well as the root and apparent cause analysis required by the corrective action program.

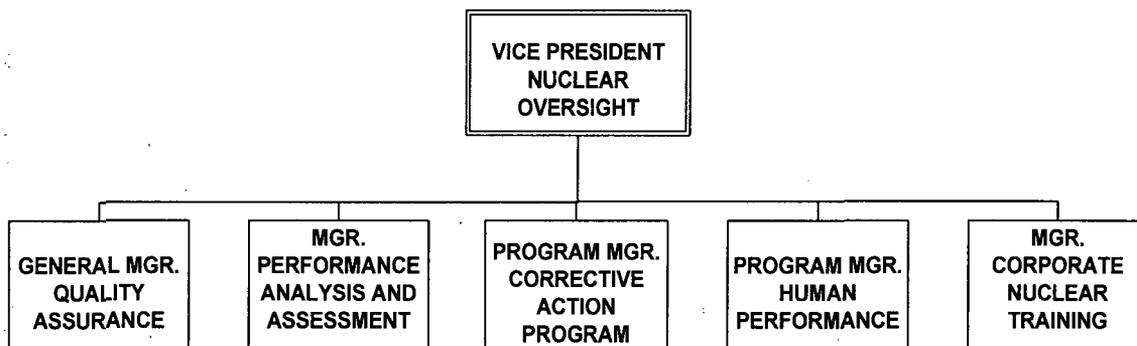
4.3 Program Manager Human Performance

This position serves as the program owner of the NPG Human Performance Program. This position provides governance and oversight of the program and supports in identifying and correcting the causes of human performance errors.

4.5 Manager Corporate 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.

**Nuclear Oversight
Figure 1-6**



5.0 Vice President Nuclear Licensing

This position provides oversight and direction of the NPG 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 and has signature authority for NRC submittals.

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

5.1 Manager Concerns Resolution Program

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's nuclear plants. The position 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 and Chief Nuclear Officer as appropriate to ensure that concerns are effectively resolved. The incumbent serves as the principal point of contact with the Nuclear Regulatory Commission (NRC) regarding TVA's Concerns Resolution Program for NPG. 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.

5.2 Manager Site Licensing Governance

This position provides oversight and direction of the Site Licensing functions in support of the operations of TVA's licensed nuclear plants. This position provides direction for implementation of the Site Regulatory and Compliance Program dealing with regulatory agencies including applicable federal, state, and local authorities.

5.3 Manager Corporate Licensing

This position provides direction for the NPG Corporate Licensing functions in support of the operations of TVA's licensed nuclear plants.

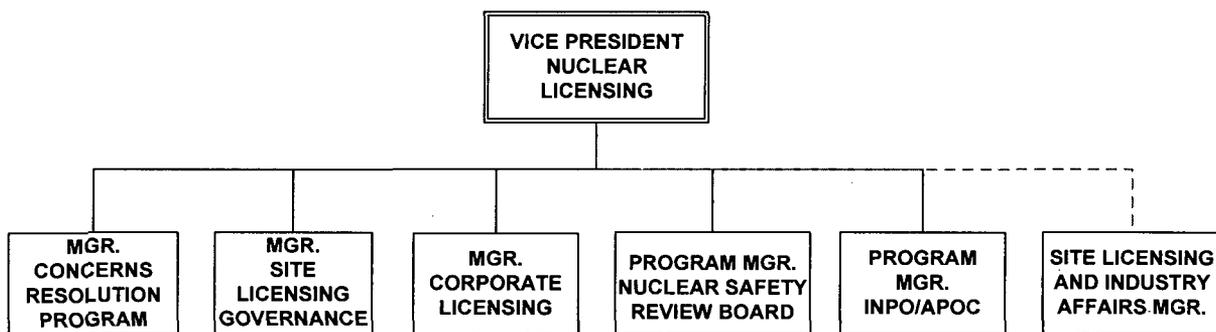
5.4 Program Manager Nuclear Safety Review Board

This position is responsible for the management and effective implementation of the NPG Nuclear Safety Review Board (NSRB) function. This includes coordinating all NSRB activities including independent assessment of potentially significant nuclear and radiation safety matters including related management aspects of these areas.

5.5 Program Manager INPO/APOC

This position serves as the single point of contact for NPG on issues with the Institute of Nuclear Power Operators (INPO). Additionally serves as the Administrative Point of Contact (APOC) for INPO projects such as the Loaned Employee Program.

Nuclear Licensing
Figure 1-7



6.0 Senior Vice President Nuclear Operations

This position reports directly to the Executive Vice President and CNO. Responsibilities of this position include oversight of the licensed NPG nuclear plants. The Senior Vice President Nuclear Operations direct reports are the three Site Vice Presidents.

6.1 Vice President Browns Ferry Nuclear Plant (BFN)

This position is responsible and accountable for activities at the site including operations, modifications, maintenance, support, training, 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 1-8.

6.1.1 Director 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, and 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 units, 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.

6.1.2 Director Site Technical Support

This position is responsible for the Training and Project Management functions at the site.

6.1.2.1 Director 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.

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

6.1.2.3 Controller

This position is responsible for retrieving, analyzing, and interpreting payment data from TVA's financial data bases. Makes recommendations to management regarding analysis's to help facilitate effective control and monitoring of financial and operating performance of site.

6.1.3 Director Safety and Licensing

This position is responsible for the Safety and Licensing functions at the site. This position reports to the Vice President Browns Ferry Nuclear Plant, but is provided governance and oversight direction from the Vice President Nuclear Licensing.

6.1.3.1 Recovery Team

These positions are responsible for governance and oversight of the operations, work control, maintenance, chemistry, radiation protection and engineering activities designed to improve site performance.

6.1.3.2 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 manager is responsible for developing the vision

and strategy for the site in the areas of the NRC, INPO, NEI, and other industry interfaces.

6.1.3.3 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.

6.1.3.4 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.

6.1.3.5 Manager Business Operations Support

This position is responsible for site Business Operations including business planning, cost analysis and budget oversight.

6.1.3.6 Manager Management Services

This position is accountable for planning, managing and directing all Document Control, Records Management, and Administrative Services at the site.

6.1.3.7 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 Manager Security Operations (Corporate) and has a

reporting relationship (dotted line) to the Director Safety and Licensing.

6.1.4 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 Human Resources Service Manager (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

6.1.5 Manager Site Quality 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, Quality Assurance (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

6.1.6 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 Program 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.

6.1.7 General Manager Browns Ferry Nuclear Plant

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 General Manager Browns Ferry Nuclear Plant shall be responsible for overall plant safe operation and shall have control over those onsite resources necessary for safe operation and maintenance of the plant. In addition, this position functions as the Plant Manager as defined in the Technical Specifications and Final Safety Analysis Report. This position 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 1-9.

6.1.7.1 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).

6.1.7.2 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.

6.1.7.3 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.

6.1.7.4 Manager Work Control

This position provides overall responsibility for planning, coordination, scheduling and monitoring of all on line and outage 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.

6.1.7.5 Manager Operations

This position provides responsibility for planning, organizing, and setting policy, and support 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.

6.1.7.5.1 Superintendent Operations

This position is responsible for all plant operations. The superintendent, through the Shift Manager, 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.

6.1.7.5.2 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.

6.1.7.5.3 Superintendent Operations Outage Support

This position is responsible for all operations outage execution and preparation.

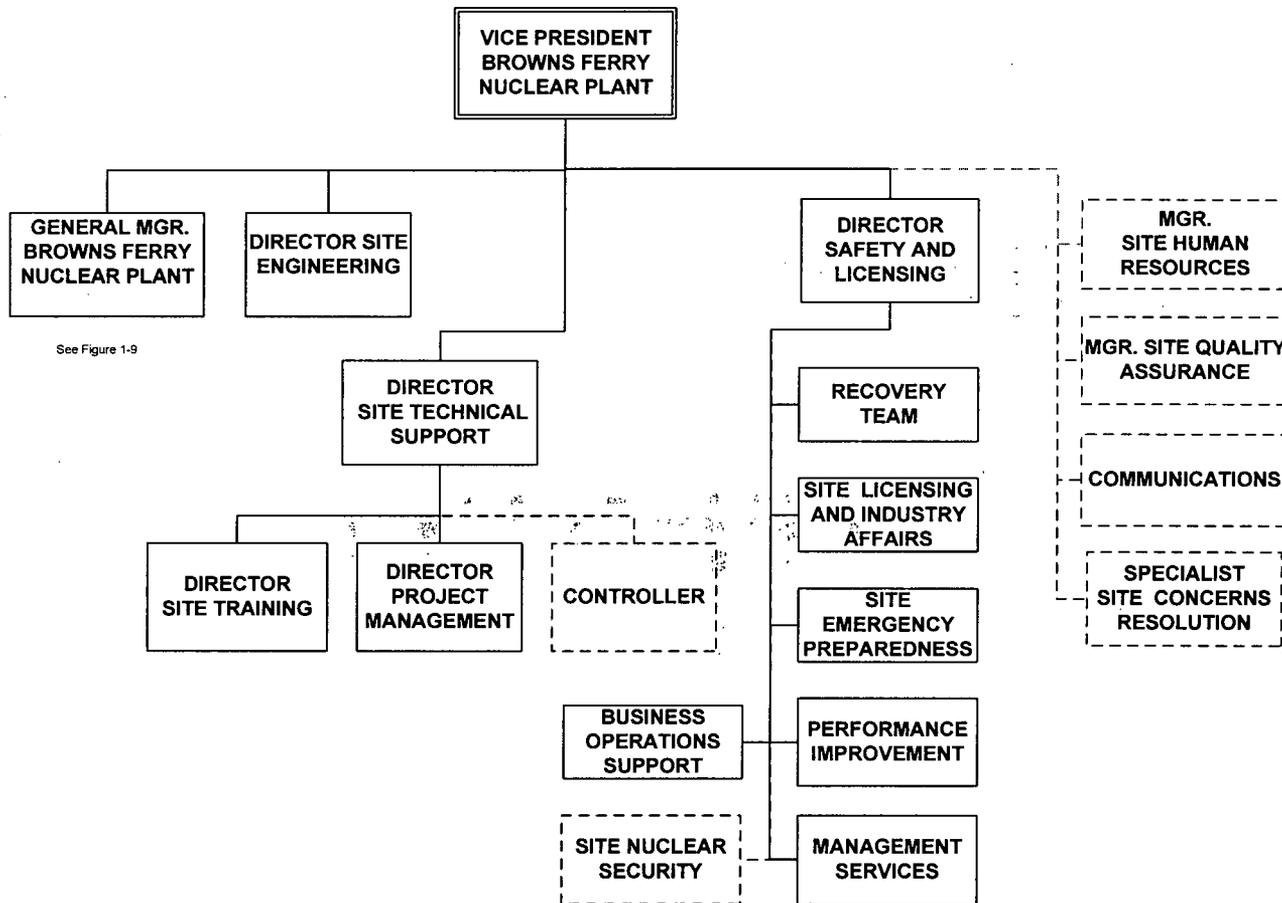
6.1.7.6 Safety Consultant

This position delivers a tactical and consolidated safety and health program for the site. Delivers progressive programs and initiatives including safety program design and implementation, OWCP cost management, emergency response and security planning, and other programs designed to promote a skilled and safe workplace.

6.1.8 Communications

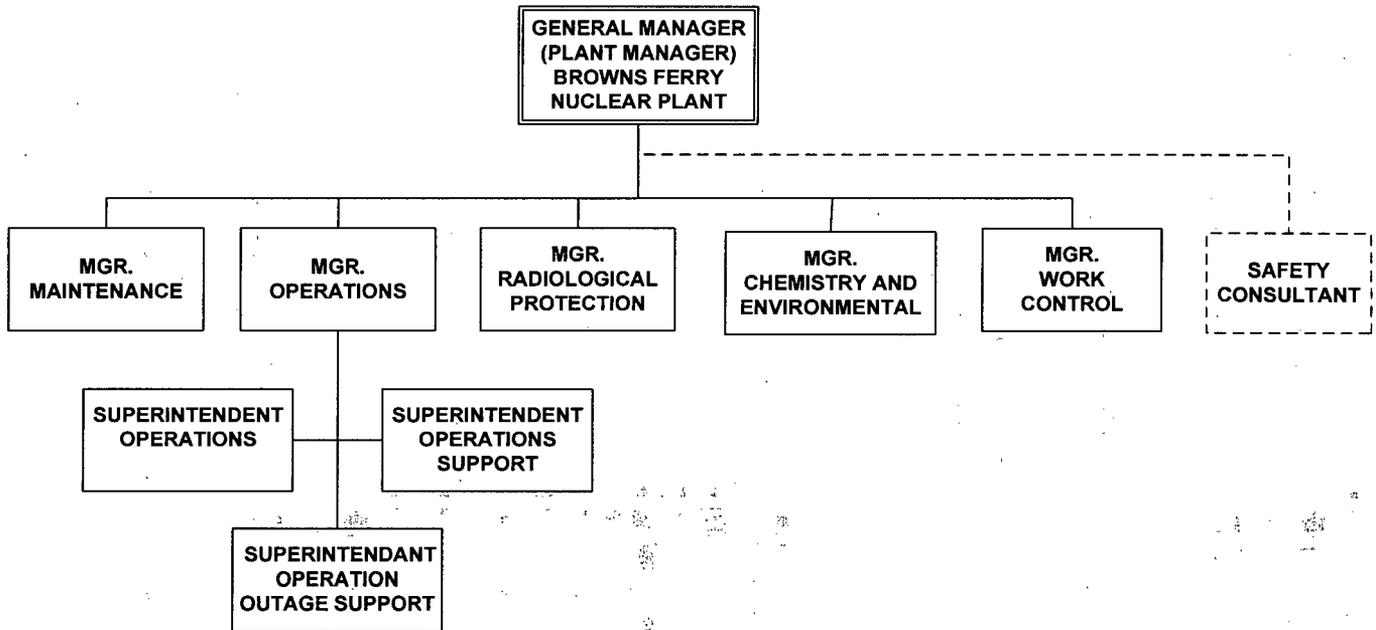
This position provides communications and public relations counsel. Develops and implements communications for site.

**Site Vice President
 Browns Ferry Nuclear Plant
 Figure 1-8**



See Figure 1-9

Browns Ferry Nuclear Plant
General Manager
Figure 1-9



6.2 Vice President Sequoyah Nuclear Plant (SQN)

This position is responsible and accountable for activities at the site including operations, modifications, maintenance, support, training, 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 1-10.

6.2.1 Director 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. 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.

6.2.2 Director 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.

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

6.2.4 Director Safety and Licensing

This position is responsible for the Safety and Licensing functions at the site. This position reports to the Vice President Sequoyah Nuclear Plant, but is provided governance and oversight direction from the Vice President Nuclear Licensing.

6.2.4.1 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 Region II for site-related matters. 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.

6.2.4.2 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.

6.2.4.3 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.

6.2.4.4 Manager Business Operations Support

This position is responsible for site Business Operations including business planning, cost analysis and budget oversight.

6.2.4.5 Manager Management Services

This position is accountable for planning, managing and directing all Document Control, Records Management, and Administrative Services at the site.

6.2.4.5 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 Manager Security Operations (Corporate) and has a reporting relationship (dotted line) to the Director Safety and Licensing.

6.2.5 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 Human Resources Service Manager (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

6.2.6 Manager Site Quality 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, Quality Assurance (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

6.2.7 Specialist 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 Program 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.

6.2.8 Plant Manager Sequoyah Nuclear Plant

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. The Plant Manager shall be responsible for overall plant safe operation and shall have control over the onsite resources necessary for safe operation and maintenance of the plant. This position's direct reports and/or areas of administrative responsibilities are provided in Figure 1-11.

6.2.8.1 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).

6.2.8.2 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.

6.2.8.3 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.

6.2.8.4 Manager Work Control

This position provides overall responsibility for planning, coordination, scheduling and monitoring of all on line and outage 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.

6.2.8.5 Manager Operations

This position has responsibility for planning, organizing, and setting policy relating to Operations, and support 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.

6.2.8.5.1 Superintendent Operations

This position is responsible for all plant operations. The superintendent, through the Shift Manager, 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.

6.2.8.5.2 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.

6.2.8.5.3 Superintendent Operations Outage Support

This position is responsible for all operations outage execution and preparation.

6.2.8.6 Safety Consultant

This position delivers a tactical and consolidated safety and health program for the site. Delivers progressive programs and initiatives including safety program design and implementation, OWCP cost management, emergency response and security planning, and other programs designed to promote a skilled and safe workplace.

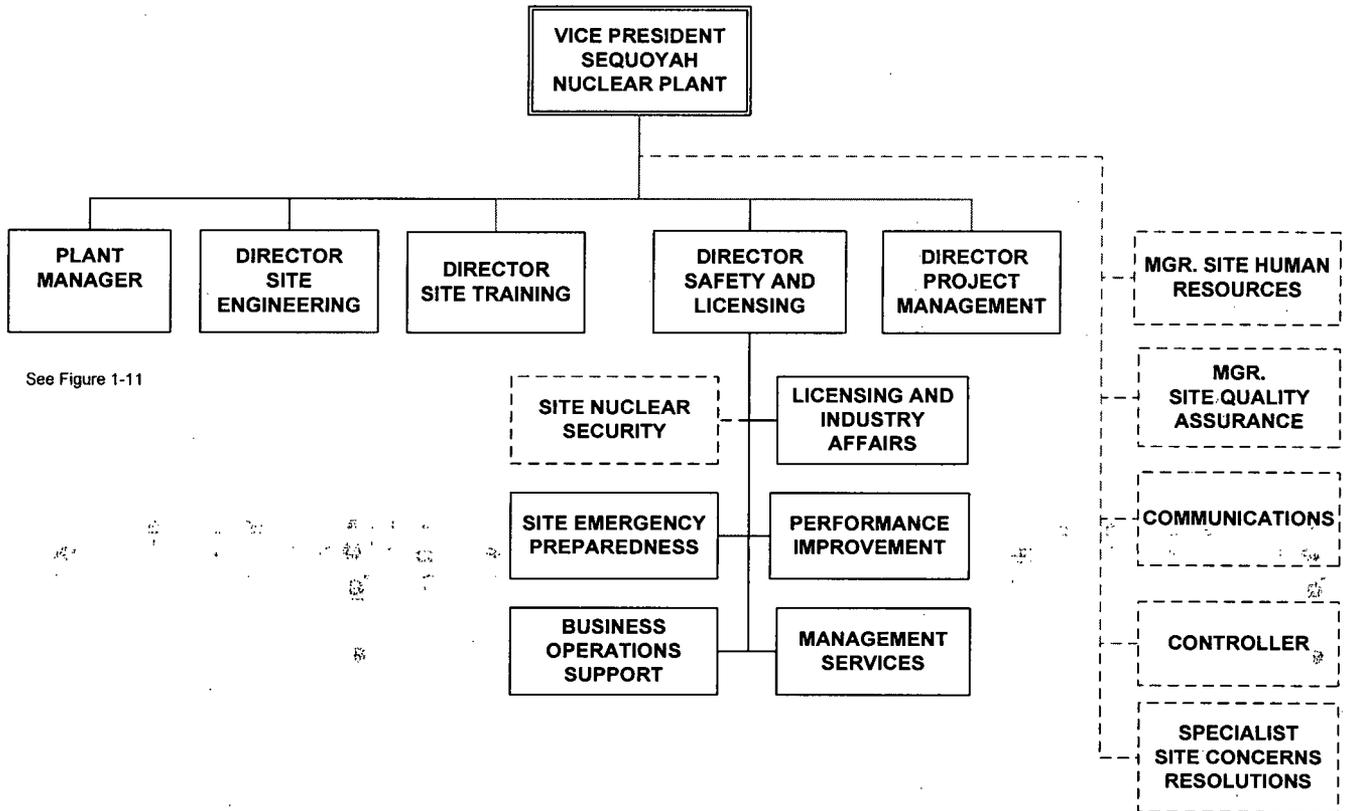
6.2.9 Communications

This position provides communications and public relations counsel. Develops and implements communications for site.

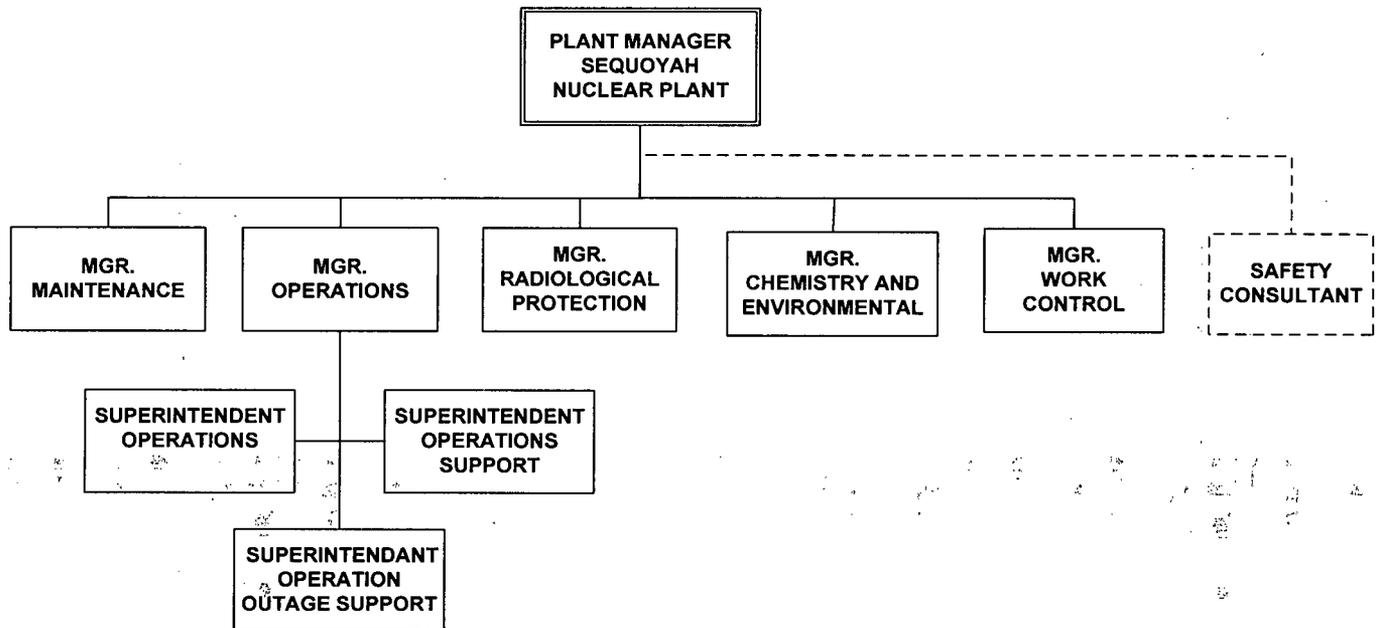
6.2.10 Controller

This position is responsible for retrieving, analyzing, and interpreting payment data from TVA's financial data bases. Makes recommendations to management regarding analysis's to help facilitate effective control and monitoring of financial and operating performance of site.

Site Vice President
 Sequoyah Nuclear Plant
 Figure 1-10



Sequoyah Nuclear Plant
Plant Manager
Figure 1-11



6.3 Vice President Watts Bar Nuclear Plant (WBN)

This position is responsible and accountable for activities at the site, including Unit 1 operations, modifications, maintenance, support, training, 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'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 1-12.

6.3.1 Director 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, and Components Test and Inspection functions at the site. This responsibility specifically includes managing activities necessary for capital work in support of the operating unit, 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.

6.3.2 Director 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.

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

6.3.4 Director Safety and Licensing

This position is responsible for the Safety and Licensing functions at the site. This position reports to the Vice President Watts Bar Nuclear Plant, but is provided governance and oversight direction from the Vice President Nuclear Licensing.

6.3.4.1 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 Region II for site-related matters. 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.

6.3.4.2 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.

6.3.4.3 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.

6.3.4.4 Manager Business Operations Support

This position is responsible for site Business Operations including business planning, cost analysis and budget oversight.

6.3.4.5 Manager Management Services

This position is accountable for planning, managing and directing all Document Control, Records Management, and Administrative Services at the site.

6.3.4.5 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 Manager Security Operations (Corporate) and has a reporting relationship (dotted line) to the Director Safety and Licensing.

6.3.5 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 Human Resources Service Manager (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

6.3.6 Manager Site Quality 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, Quality Assurance (Corporate) and has a reporting relationship (dotted line) to the Site Vice President.

6.3.7 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 Program 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.

6.3.8 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. The Plant Manager shall be responsible for overall plant safe operation and shall have control over the onsite resources necessary for safe operation and maintenance of the plant.

This position's direct reports and/or areas of administrative responsibilities are provided in Figure 1-13.

6.3.8.1 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).

6.3.8.2 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.

6.3.8.3 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.

6.3.8.4 Manager Work Control

This position provides overall responsibility for planning, coordination, scheduling and monitoring of all on line and outage 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.

6.3.8.5 Manager Operations

This position has responsibility for planning, organizing, and setting policy, and support 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.

6.3.8.5.1 Superintendent Operations

This position is responsible for all plant operations. The superintendent, through the Shift Manager, 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.

6.3.8.5.2 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.

6.3.8.5.3 Superintendent Operations Outage Support

This position is responsible for all operations outage execution and preparation.

6.3.8.6 Safety Consultant

This position delivers a tactical and consolidated safety and health program for the site. Delivers progressive programs and initiatives including safety program design and implementation, OWCP cost management, emergency response and security planning, and other programs designed to promote a skilled and safe workplace.

6.3.9 Communications

This position provides communications and public relations counsel. Develops and implements communications for site.

6.3.10 Controller

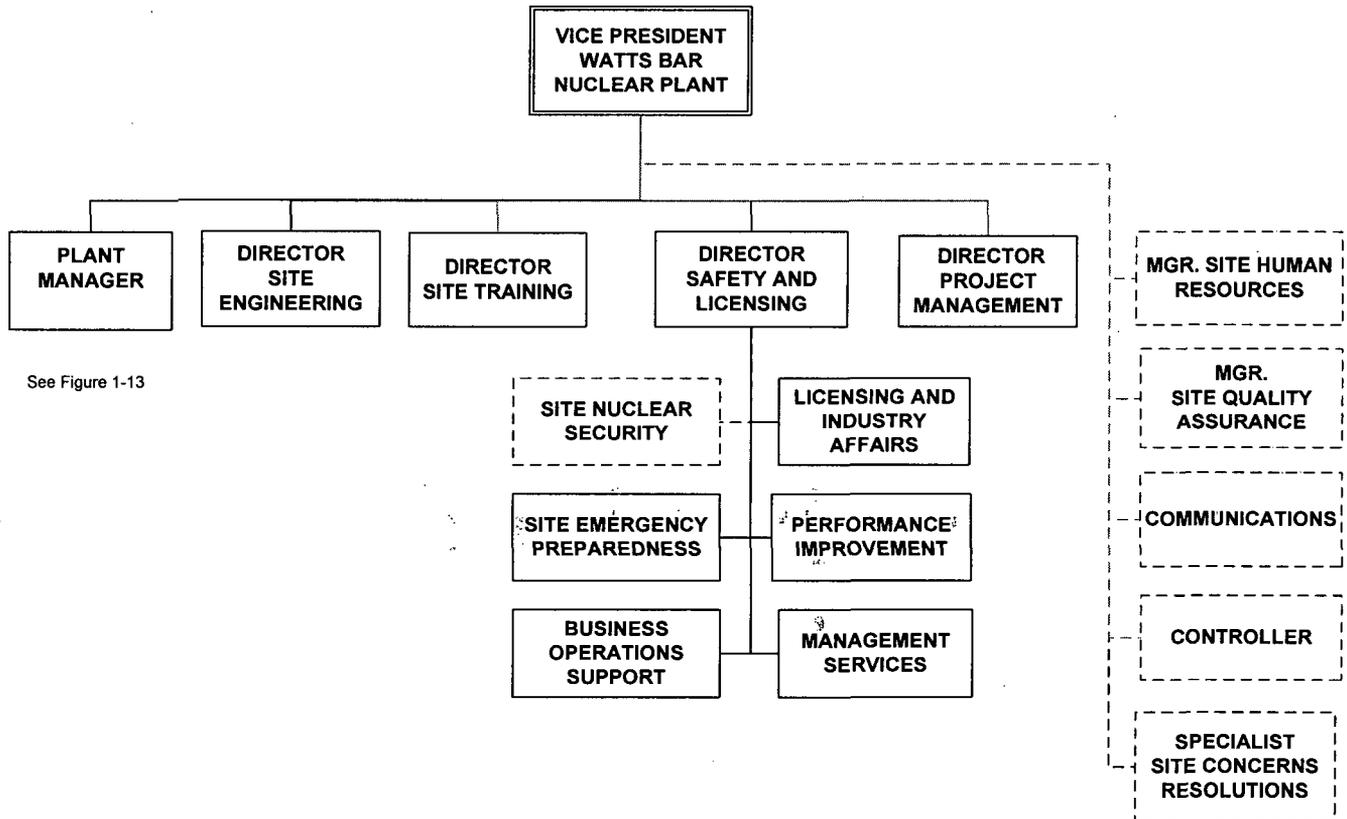
This position is responsible for retrieving, analyzing, and interpreting payment data from TVA's financial data bases. Makes recommendations to management regarding analysis's to

help facilitate effective control and monitoring of financial and operating performance of site.

7.0 Vice President New Nuclear Generation Integration

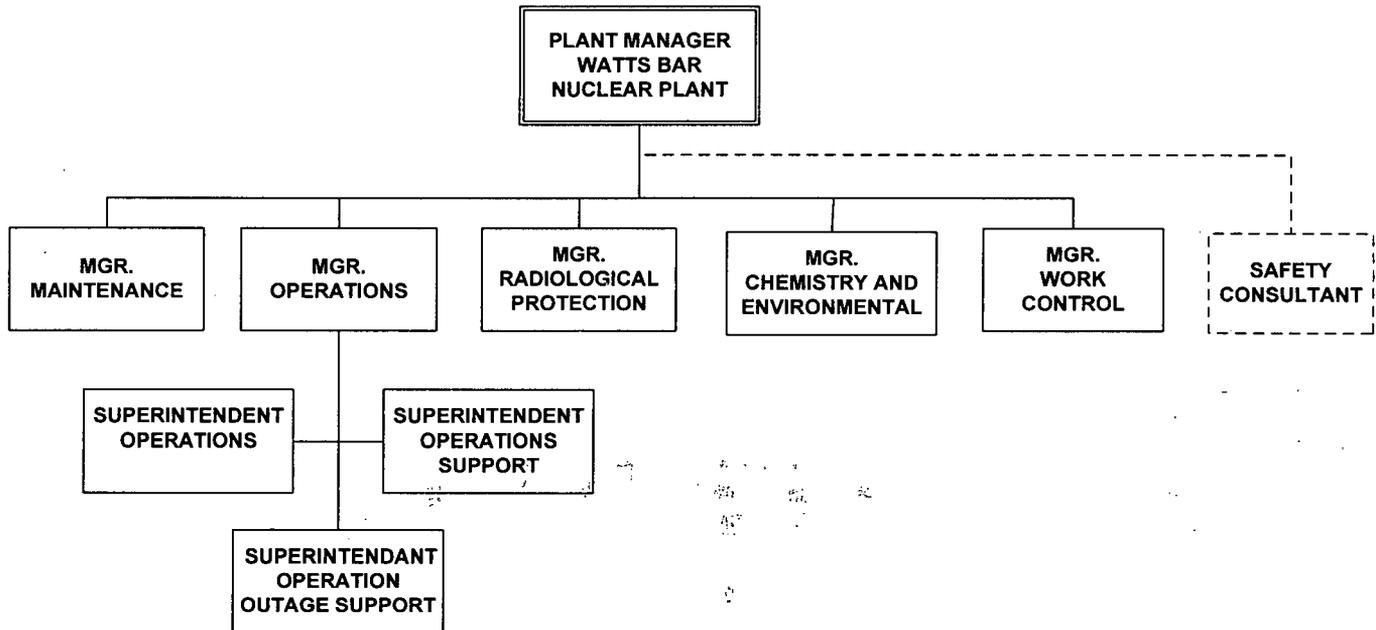
This position is responsible for providing oversight of the transition and operational readiness plans, system testing and work management for new nuclear generation with the operating fleet. Responsible for bridging the gap between construction and operation of new units including development of integrated site transition plans, provide consistency of management approach, implementation of operational standards in the turnover process, integration of programs, monitoring of progress and deliverables and maintaining accountability in the appropriate areas.

Site Vice President
Watts Bar Nuclear Plant
Figure 1-12



See Figure 1-13

Watts Bar Nuclear Plant
Plant Manager
Figure 1-13



II. Chief Administrative Officer and Executive Vice President Administrative Services

This position is responsible for managing and directing multiple corporation-wide administrative functions. 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 Executive Vice President and CNO. The other direct reports do not have responsibilities in support of the Executive Vice President and CNO. These responsibilities for Human Resources and Procurement are listed below and illustrated in figure 2.0.

A. Vice President Human Resources (HR)

This position provides support to the Executive Vice President and CNO in the areas of HR Operations, Health and Safety, Technical Training and Organizational Effectiveness, Workforce 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 Workforce 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. This involves directing progressive programs and initiatives in support of operational, cultural, and human performance improvement activities.

4.0 Manager TVA Workforce 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 of this position include oversight and management of programs that includes strategy, integration, implementation, design, rate structure, internal controls, monitoring, and performance. Further responsibilities of this position include employee accounting, disbursement services and personnel security.

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.

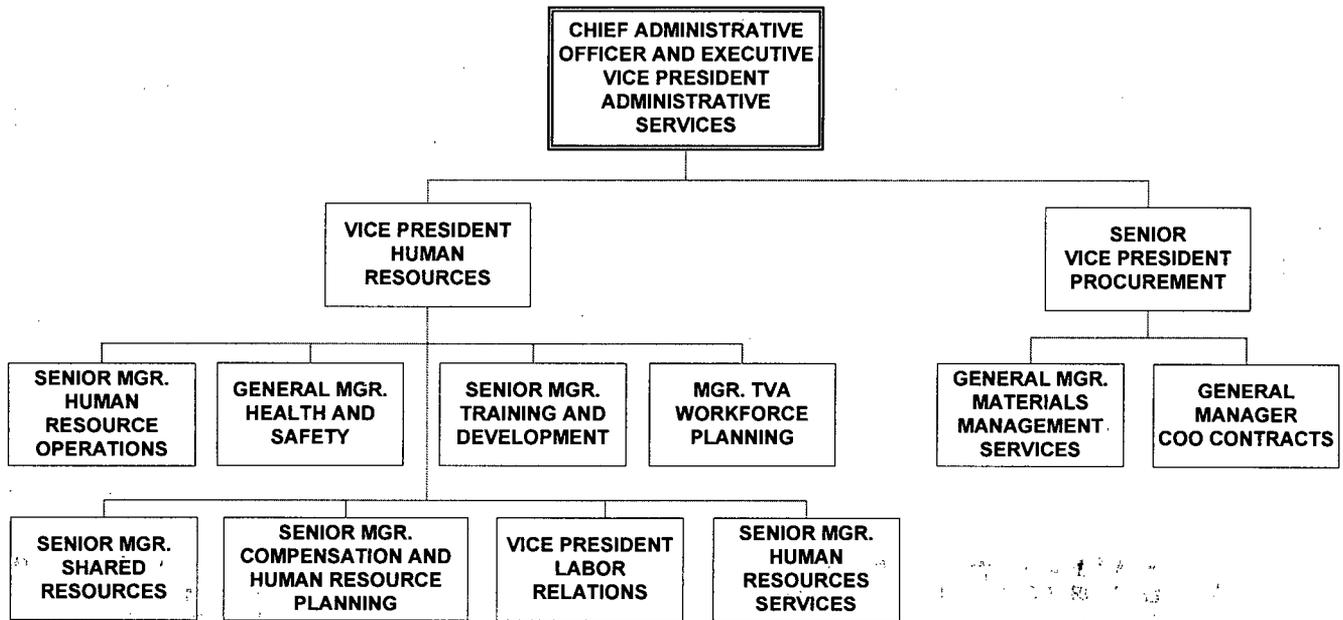
1.0 General Manager Materials Management Services

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 (NGDC)

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.

This position is responsible for but is not limited to: construction completion and licensing of Watts Bar Unit 2, potential construction completion and licensing of Bellefonte Units 1 and 2, licensing of Bellefonte Units 3 and 4, and major strategic projects such as Sequoyah Unit 2 steam generator replacement, Browns Ferry extended power uprate, Watts Bar spent fuel re-rack, as well as oversight of the Tritium Production Program at Watts Bar Unit 1.

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

A. 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 Site and NuStart Energy. 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 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 TVA's Washington Office and develops Strategic Program Initiatives with Department of Energy (DOE).

This position's direct and indirect reports and/or administrative areas of responsibility are provided in Figure 3-1.

1.0 Director Bellefonte Site

This position is responsible for directing all project management functions on the Bellefonte Detailed Scoping, Estimating Project as well as site asset preservation functions. This includes determining the nature and extent of onsite and offsite support services required to support project operations. This also includes quality of work activities.

B. General Manager Oversight

This position has direct access to the Senior Vice President, Nuclear Generation Development and Construction to provide for the independence and organizational freedom to effectively ensure conformance with the TVA Nuclear Quality Assurance Plan (TVA-NQA-PLN89-A). Direct reports include the Manager Project Nuclear Assurance Watts Bar Unit 2 and Manager Project Nuclear Assurance Bellefonte. Also, this position provides direction, governance and oversight for the Manager Project Support and Controls and the Specialist NGDC Concerns Resolution.

This position's direct reports and/or administrative areas of responsibility are provided in Figure 3-2.

1.0 Manager Project Nuclear Assurance Bellefonte

This position is a direct report to the NGDC General Manager Oversight and has a reporting relationship (dotted line) to the Vice President Nuclear Generation Development. This position provides oversight of quality activities associated with the conduct of Bellefonte project activities to oversee and ensure that we comply with Nuclear Quality Assurance Program (NQAP). This position has direct access to the Senior Vice President of Nuclear Generation Development and Construction to allow for the independence and organizational freedom to execute the TVA NQAP to ensure nuclear safety and quality.

2.0 Manager Project Nuclear Assurance Watts Bar Unit 2

This position is a direct report to the NGDC General Manager Oversight and has a reporting relationship (dotted line) to the Vice President Watts Bar Unit 2. This position provides oversight of quality activities associated with the conduct of Watts Bar Unit 2 project activities to oversee and ensure that we comply with NQAP Program. This position has direct access to the Senior Vice President of Nuclear Generation Development and Construction to allow for the independence and organizational freedom to execute the TVA NQAP to ensure nuclear safety and quality.

3.0 Specialist NGDC Concerns Resolution

This position is responsible for implementing and managing the Concerns Resolution Program to receive, evaluate, and initiate actions for resolution of employee concerns regarding TVA nuclear construction activities. Responsibilities also include nurturing an environment free of intimidation, harassment, or discrimination. This position has a reporting relationship (dotted

line) to the Vice President Watts Bar Unit 2, Vice President Nuclear Generation Development for corporate activities and Bellefonte activities, and Vice President Strategic Projects for Steam Generator Replacement, Dry Cask Storage Program and other long range strategic projects. This position reports directly to the General Manager Oversight, which provides the program is sufficiently independent and freed to ensure that employee concerns are properly addressed.

4.0 Manager Project Support and Controls

This position directs the work of corporate employees who are responsible for activities to provide the development, implementation, and oversight of project analysis and reporting systems to report key indicators and increase overall project effectiveness and efficiency.

C. Vice President Strategic Projects

This position is responsible for directing management of all major NGDC projects, including steam generator replacements, Dry Cask Storage Program, life extensions and ensuring that managed activities are conducted in accordance with appropriate regulations and TVA policies, programs, and procedures, and federal, state and local regulations. Additionally, this position provides governance and oversight of training programs and certifications.

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

1.0 Manager NGDC Training

This position provides corporate governance and oversight of the planning, development, implementation, and evaluation of training programs to ensure sufficient qualified personnel to engineer and construct new nuclear generation assets.

2.0 Senior Manager Strategic Projects

This position manages large nuclear strategic projects. This position coordinates with multiple disciplines and senior management across NPG. 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.

3.0 Project Manager Extended Power Uprate (EPU)

This position is responsible for managing the design, component specification and procurement, work package and schedule development, and installation activities of the extended power up-rate project for Browns Ferry Nuclear Plant. Ensures that managed activities are conducted in accordance with appropriate regulations and TVA policies, programs, and procedures; plant Technical Specifications; and federal, state, and local regulations. This position is also responsible for ensuring consistency and application of lessons learned from one EPU outage to another and completion of each in-line with budgeted funding.

D. 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.

This position's direct reports and/or administrative areas of responsibility are provided in Figure 3-4.

1.0 Project Department Managers

These direct report positions include Pre-Op Start-up Manager, Engineering Manager, Modifications/Maintenance Manager, Construction Manager, and Safety Manager. Responsibilities are primarily providing oversight of assigned aspects of the Engineering, Procurement, and Construction contractor; ensuring activities are conducted in accordance with appropriate regulations and NGDC's policies, programs, and federal, state, and local regulations.

E. 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 manages licensing for construction completion of Bellefonte Units 1 and 2 and is also the primary interface with the NuStart Energy organization and activities related to the licensing of Bellefonte 3 and 4. This position is a direct report to the Senior Vice President Nuclear Generation Development and Construction.

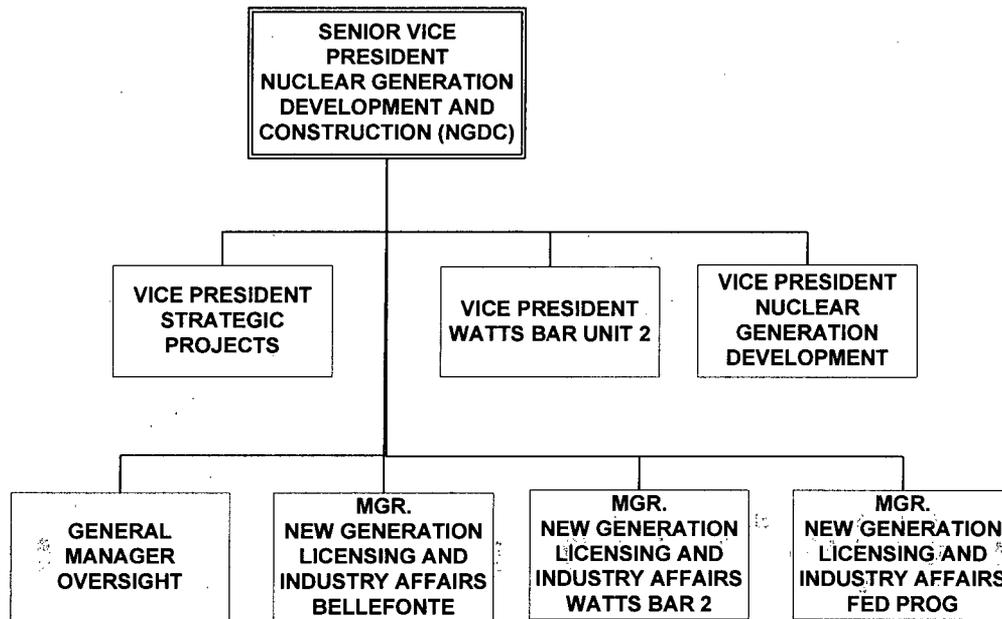
F. Manager New Generation Licensing and Industry Affairs - Watts Bar Unit 2

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). This position is a direct report to the Senior Vice President Nuclear Generation Development and Construction.

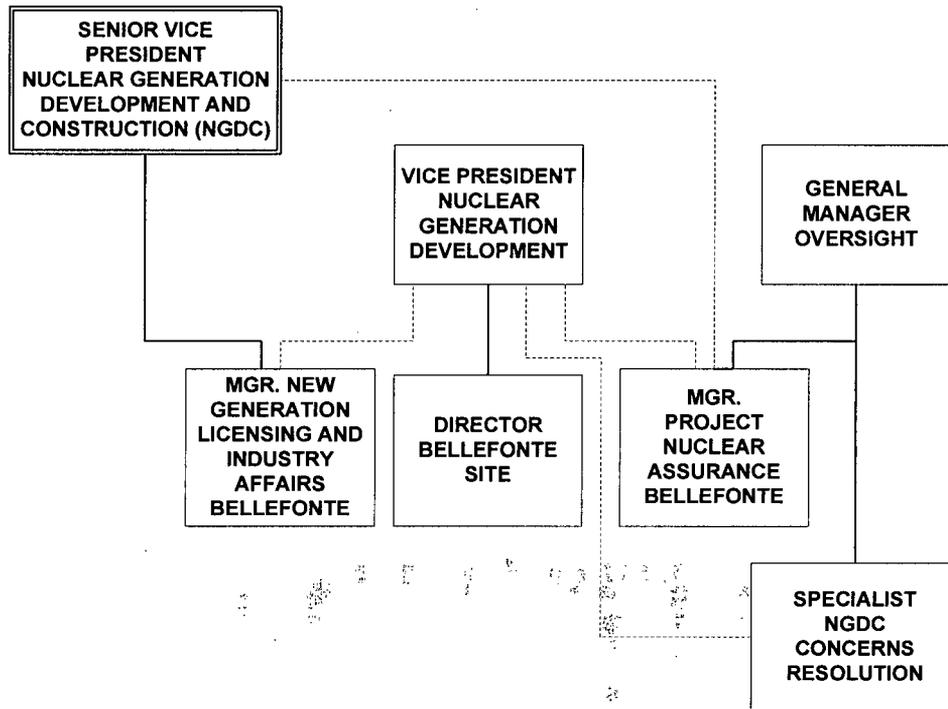
G. Manager New Generation Licensing and Industry Affairs – Federal Programs

This position supports 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). Additionally, this position manages the Tritium Program. This position is a direct report to the Senior Vice President Nuclear Generation Development and Construction.

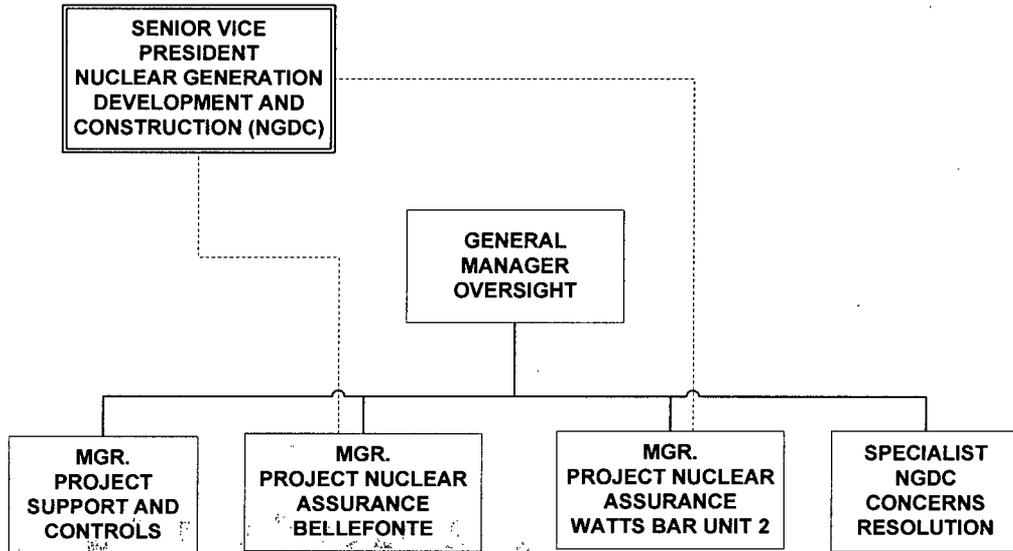
Senior VP Nuclear Generation Development and Construction
Figure 3-0



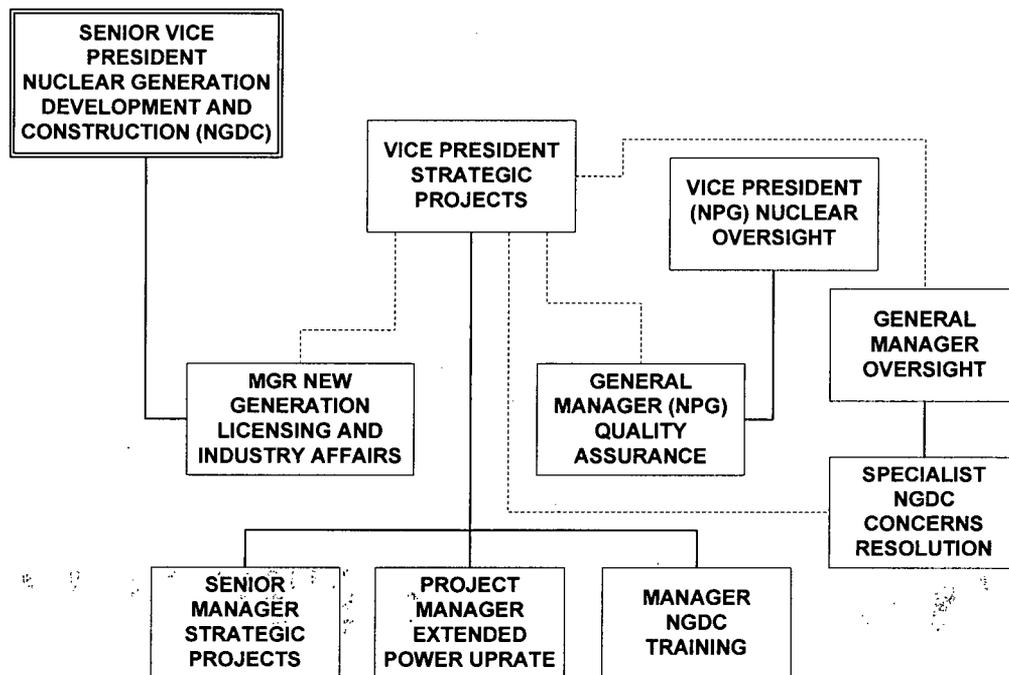
Vice President Nuclear Generation Development
Figure 3-1



General Manager Oversight
Figure 3-2



Vice President Strategic Projects
Figure 3-3



Vice President Watts Bar Unit 2
Figure 3-4

