

Nuclear Plant Organization



Nuclear Plant Organization

Objectives:

- List typical nuclear plant organization positions
- Describe generic functions of individual positions
- Describe the NRC licensed positions

Nuclear Plant Organization

Chief Nuclear Officer -- *This is the first manager with all nuclear functions reporting to him, with the authority to correct regulatory and operational problems, and with the responsibility to keep the Board and regulators informed of all nuclear related problems.*

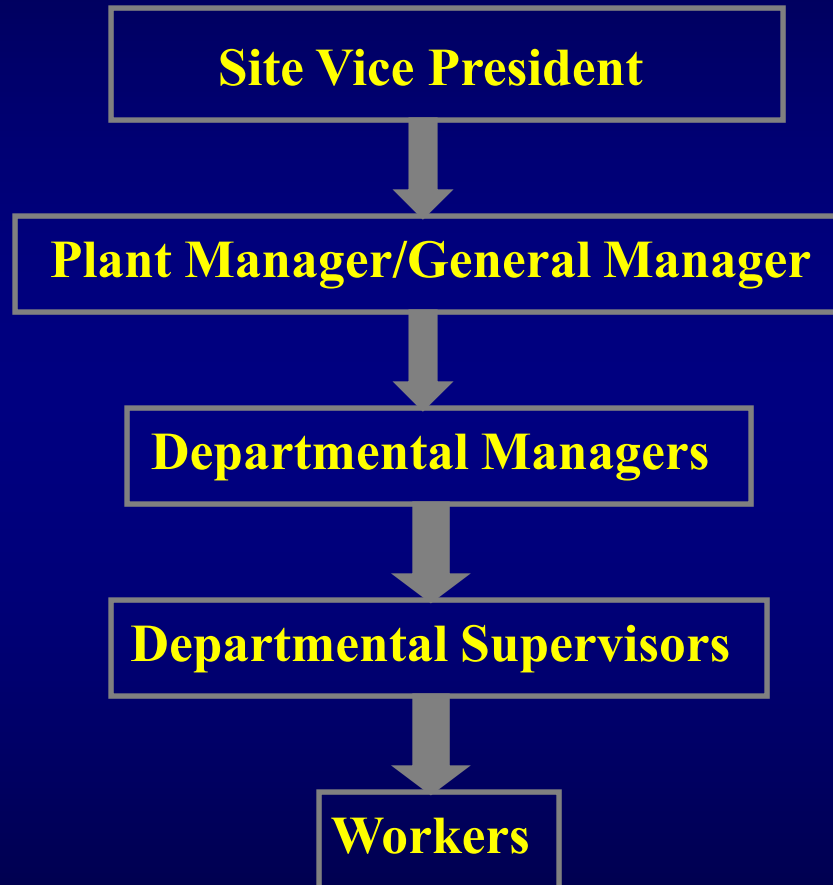


Chief Operating Officer -- *This person is typically found at multi-site nuclear utilities. This person is responsible for all operational issues and resources in the nuclear group.*



Site Vice President

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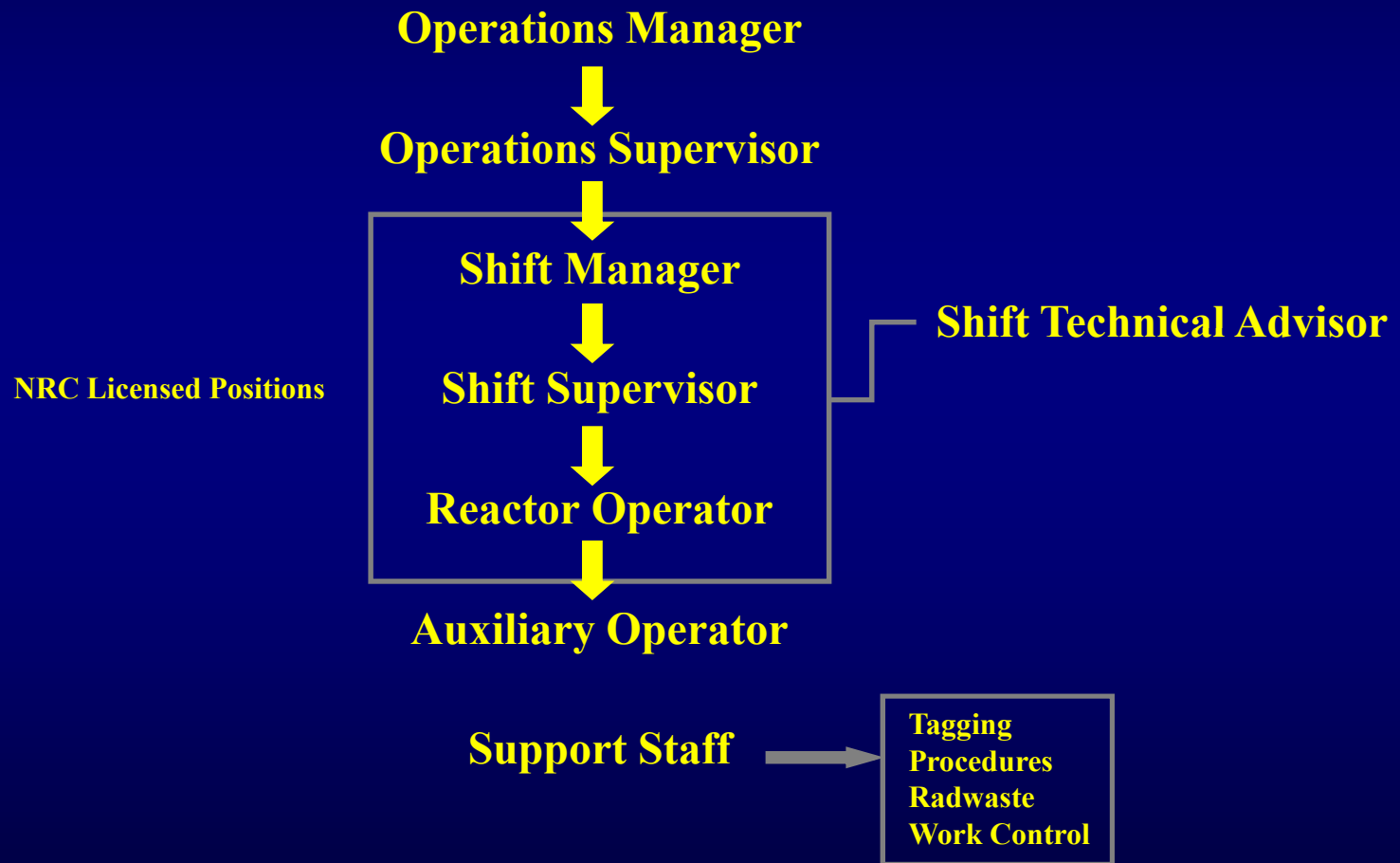
Nuclear Plant Organization

Typical Departmental Management Positions

- **Operations**
- **Engineering**
- **Regulatory Affairs**
- **Maintenance**
- **Training**
- **Emergency Preparedness**
- **Security**
- **Outage**
- **Health Physics**

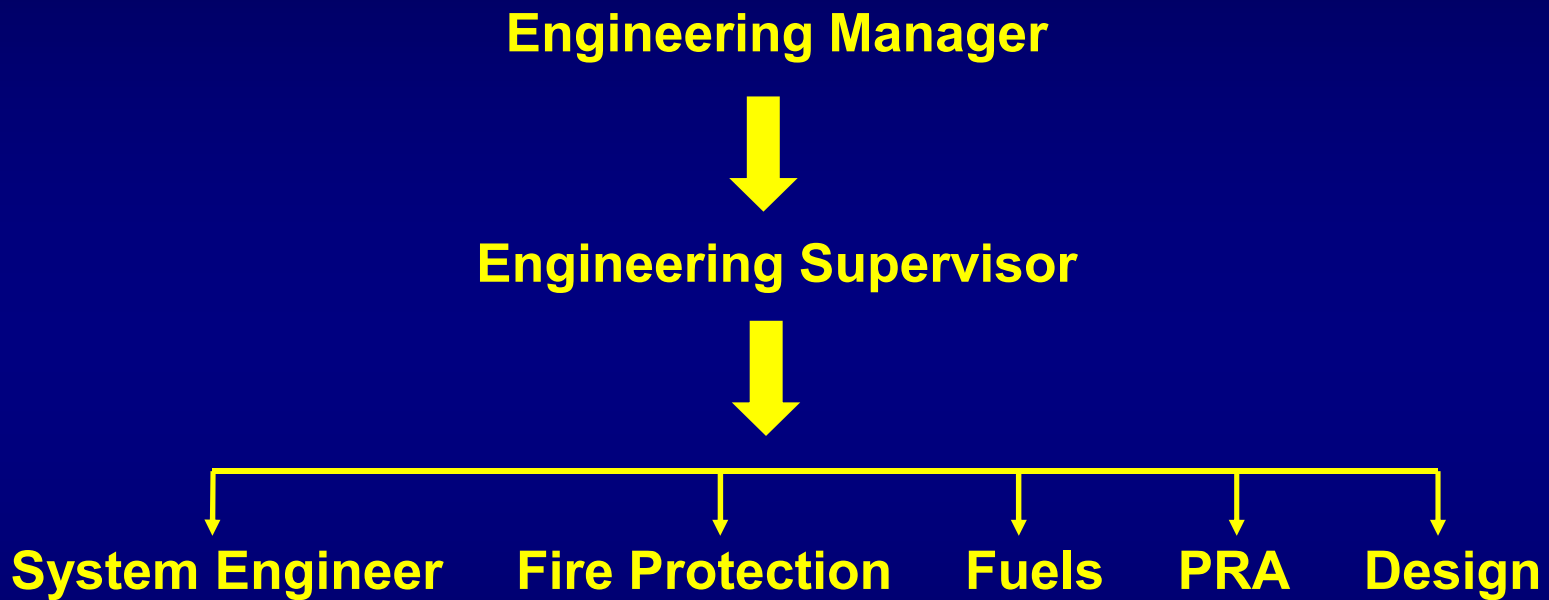
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Operations



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Engineering



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Regulatory Affairs

Regulatory Affairs Manager



- Compliance
- Quality Assurance
- Quality Control
- Licensing
- Maintenance Rule
- Public Affairs
- Corrective Action

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Maintenance

- **Instrumentation and Control**
- **Mechanical**
- **Electrical**
- **Outage – Usually a stand-alone position**

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Training

- **Licensed Operator Instructors**
- **Non-licensed Operator Instructors**
- **Simulator Engineers**
- **Graphics Engineers**

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Security



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Radiological Controls

- **Health Physics**
- **Chemistry**
- **Environmental**
- **Emergency Preparedness – usually a stand-alone position**

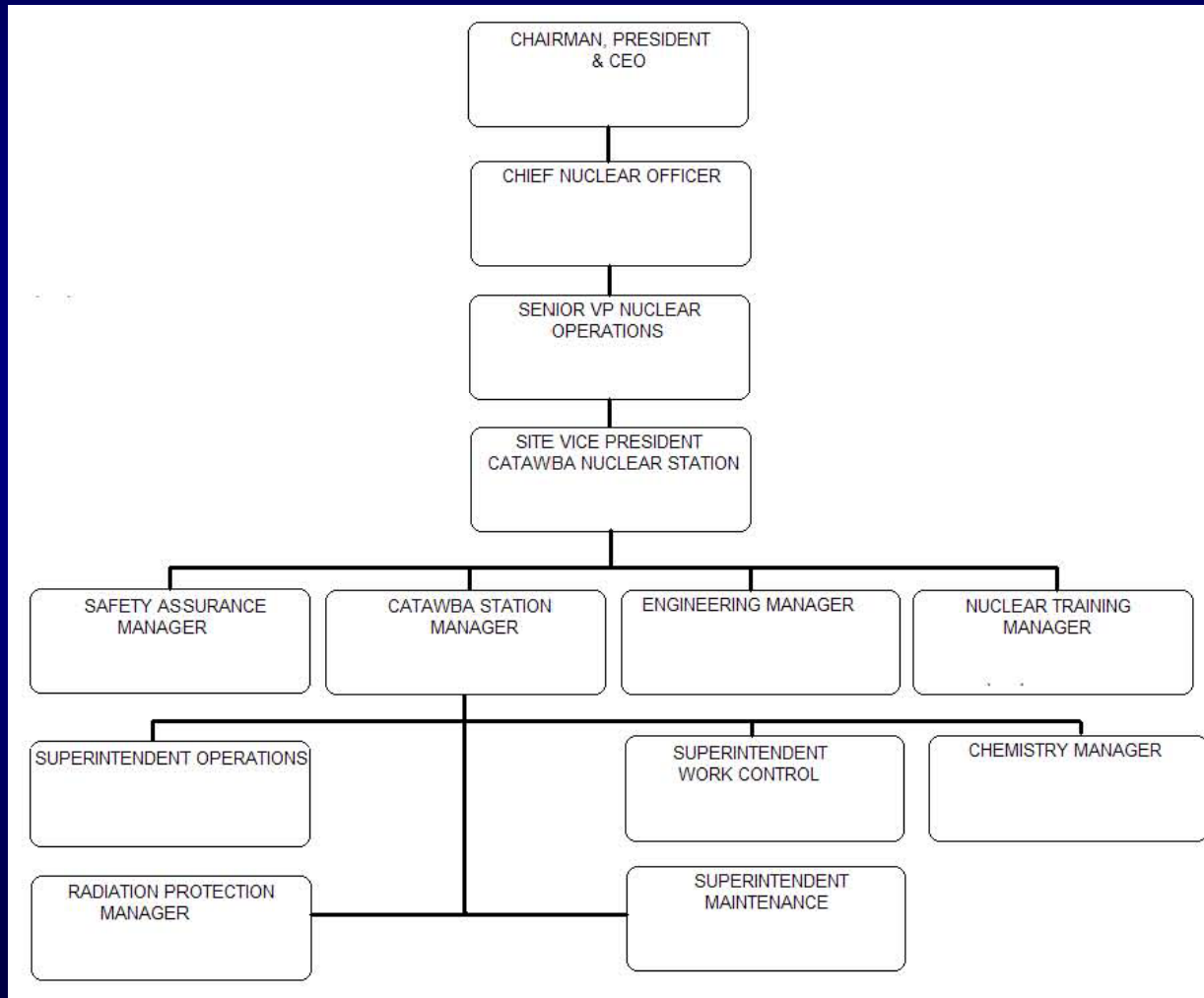
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Miscellaneous

- **Supply Chain**
- **Warehouse**
- **Communications (radio/telephone/pager)**
- **Health Services**
- **Financial Services**
- **Human Resources**
- **Power Sales/Business**

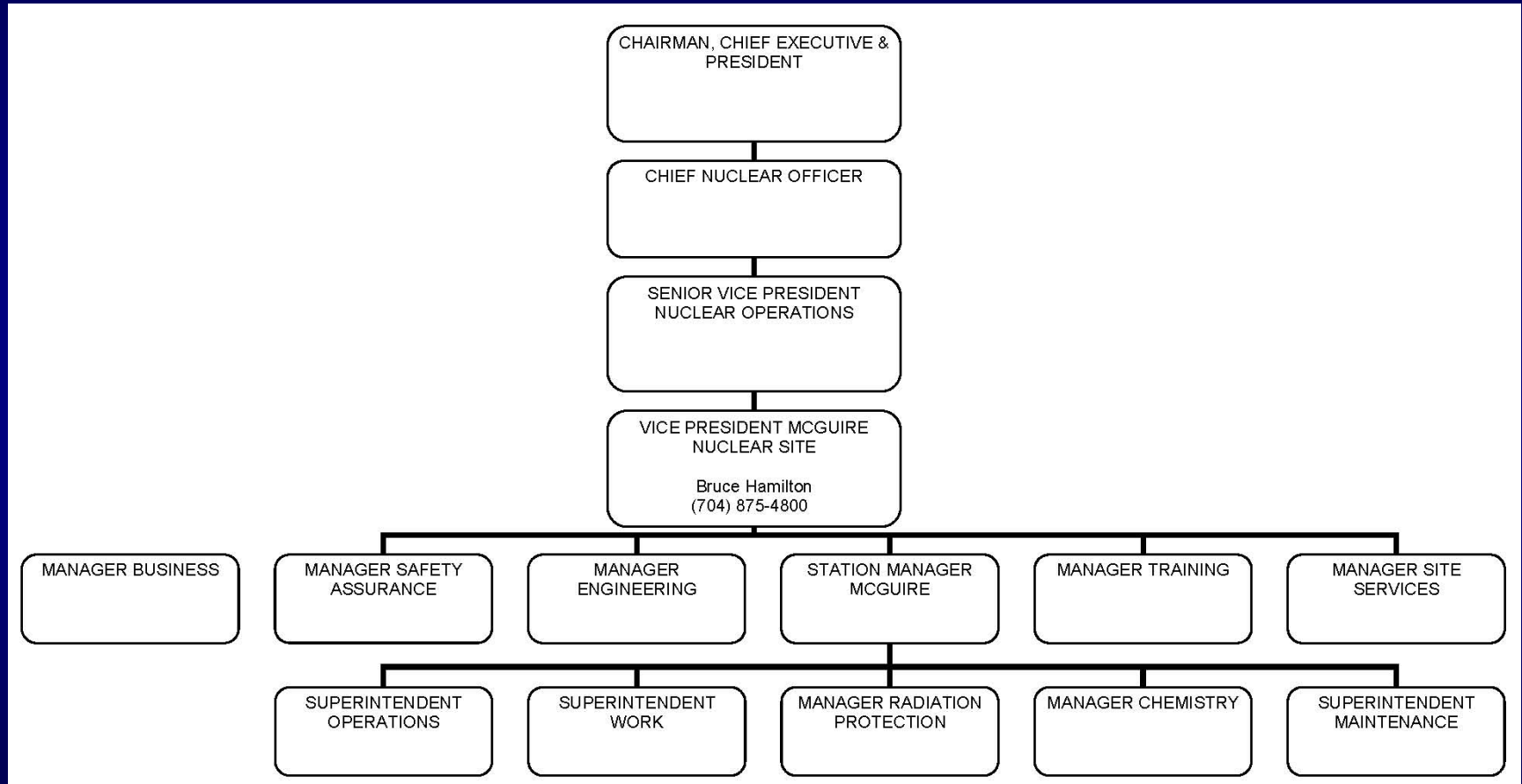
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Duke Energy - Catawba



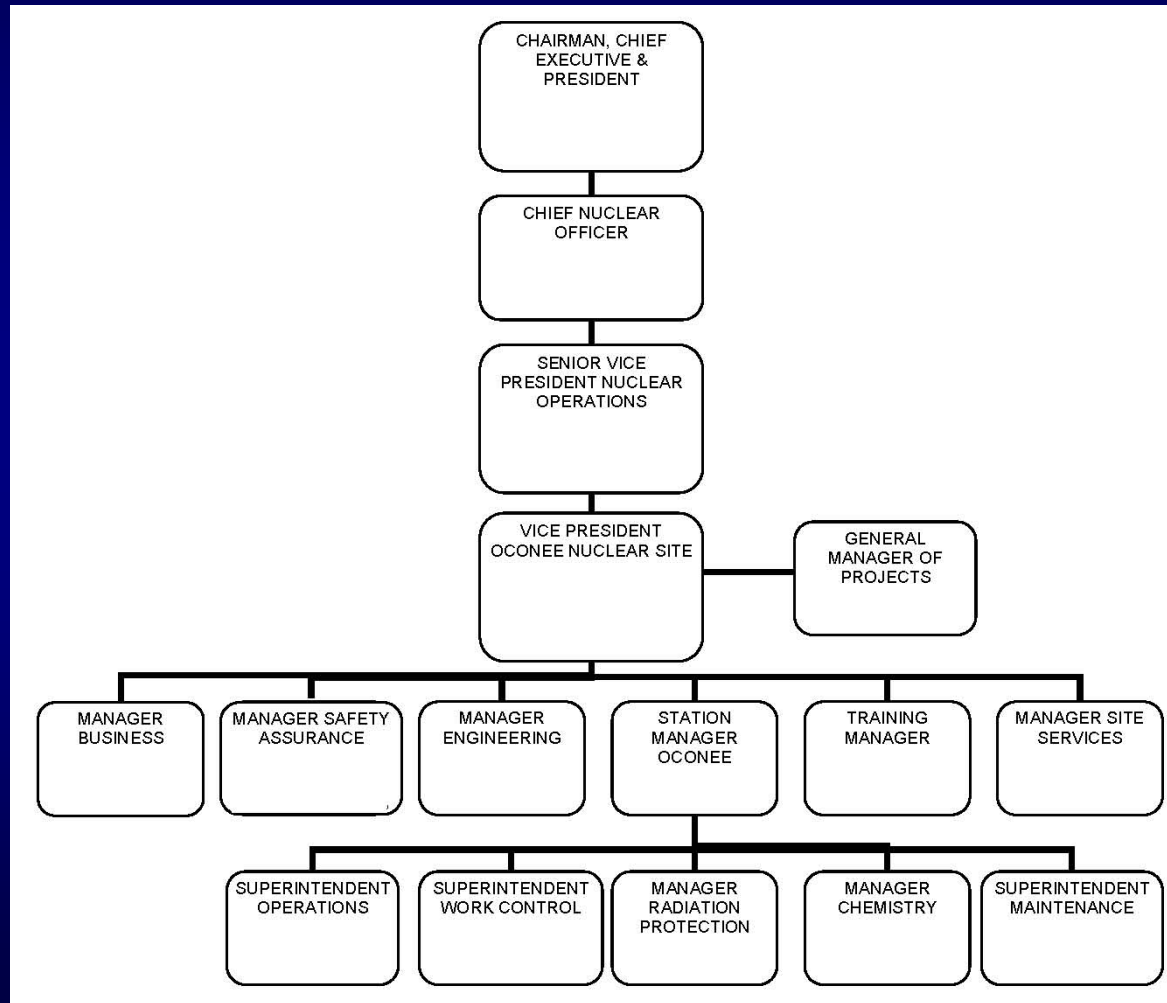
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Duke Energy - McGuire



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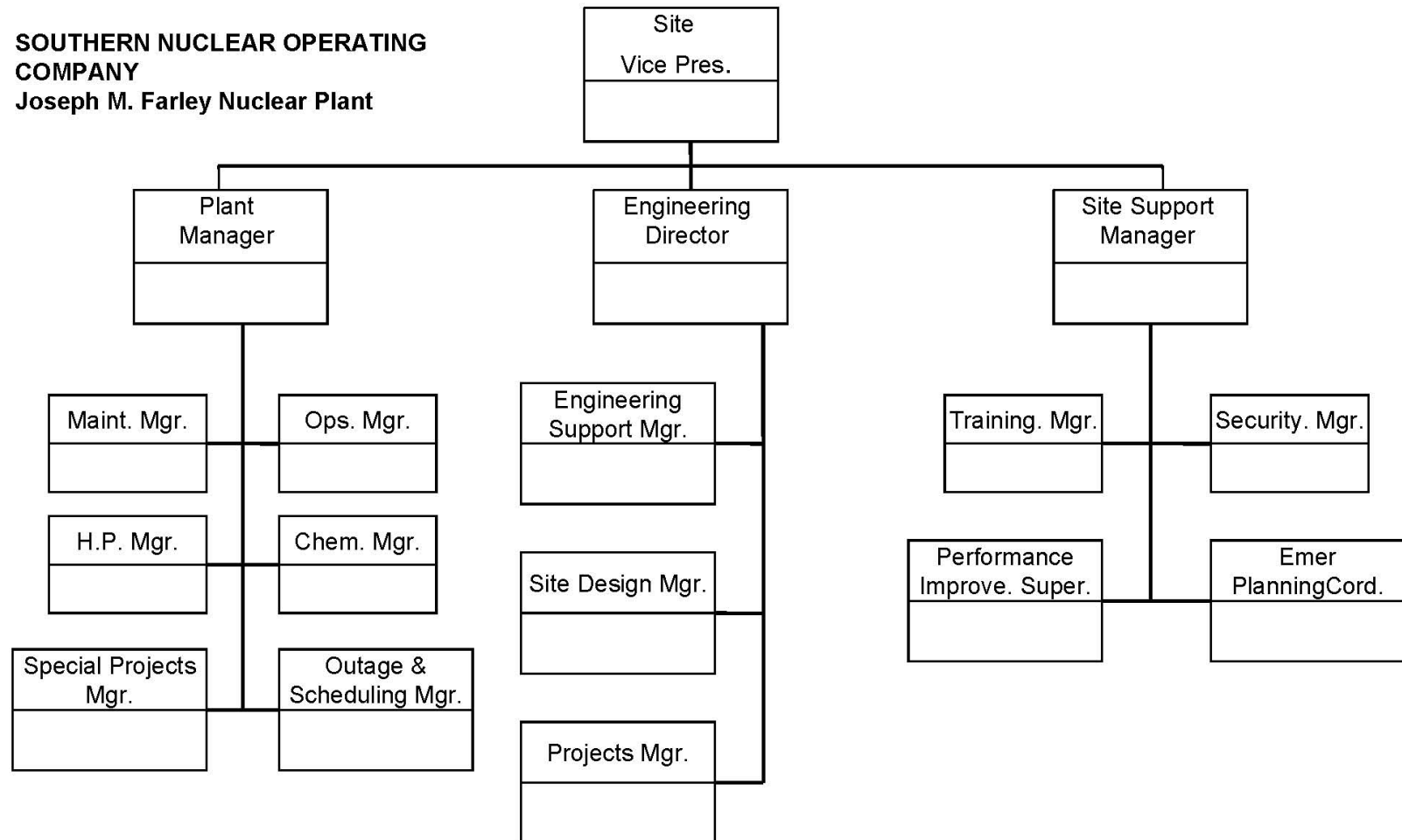
Duke Energy - Oconee



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Southern Company – Plant Farley

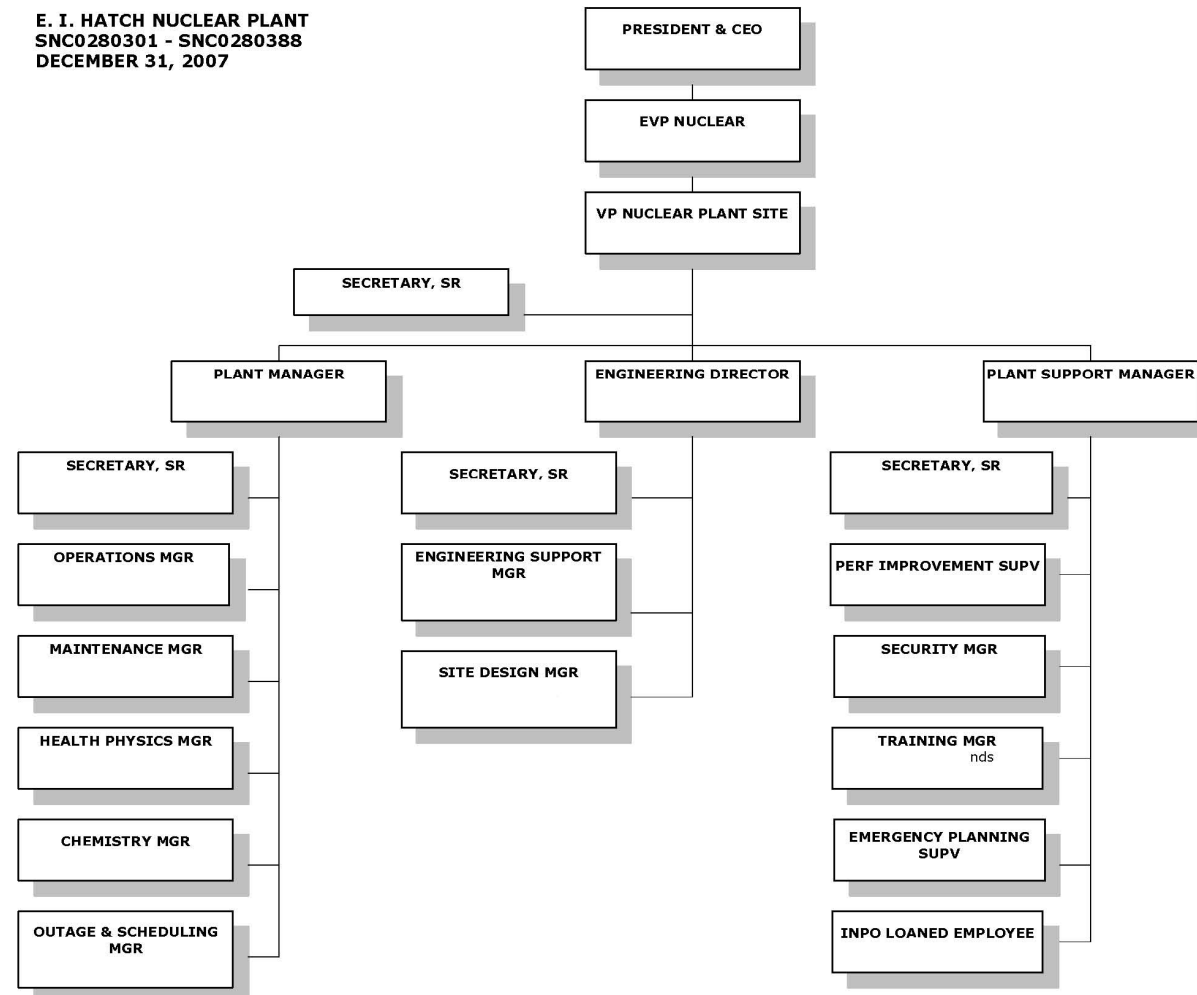
**SOUTHERN NUCLEAR OPERATING
COMPANY**
Joseph M. Farley Nuclear Plant



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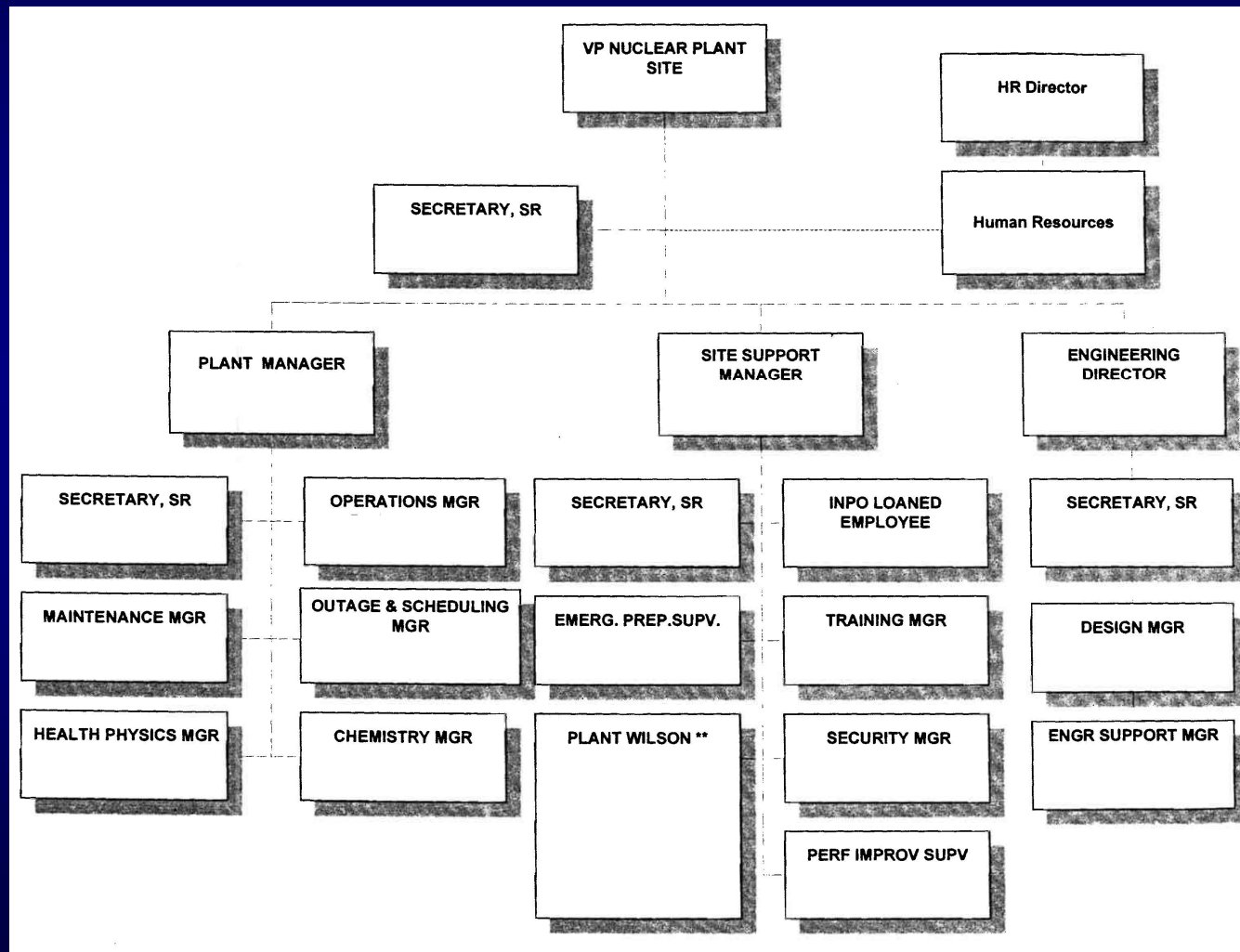
Southern Company – Plant Hatch

E. I. HATCH NUCLEAR PLANT
SNC0280301 - SNC0280388
DECEMBER 31, 2007



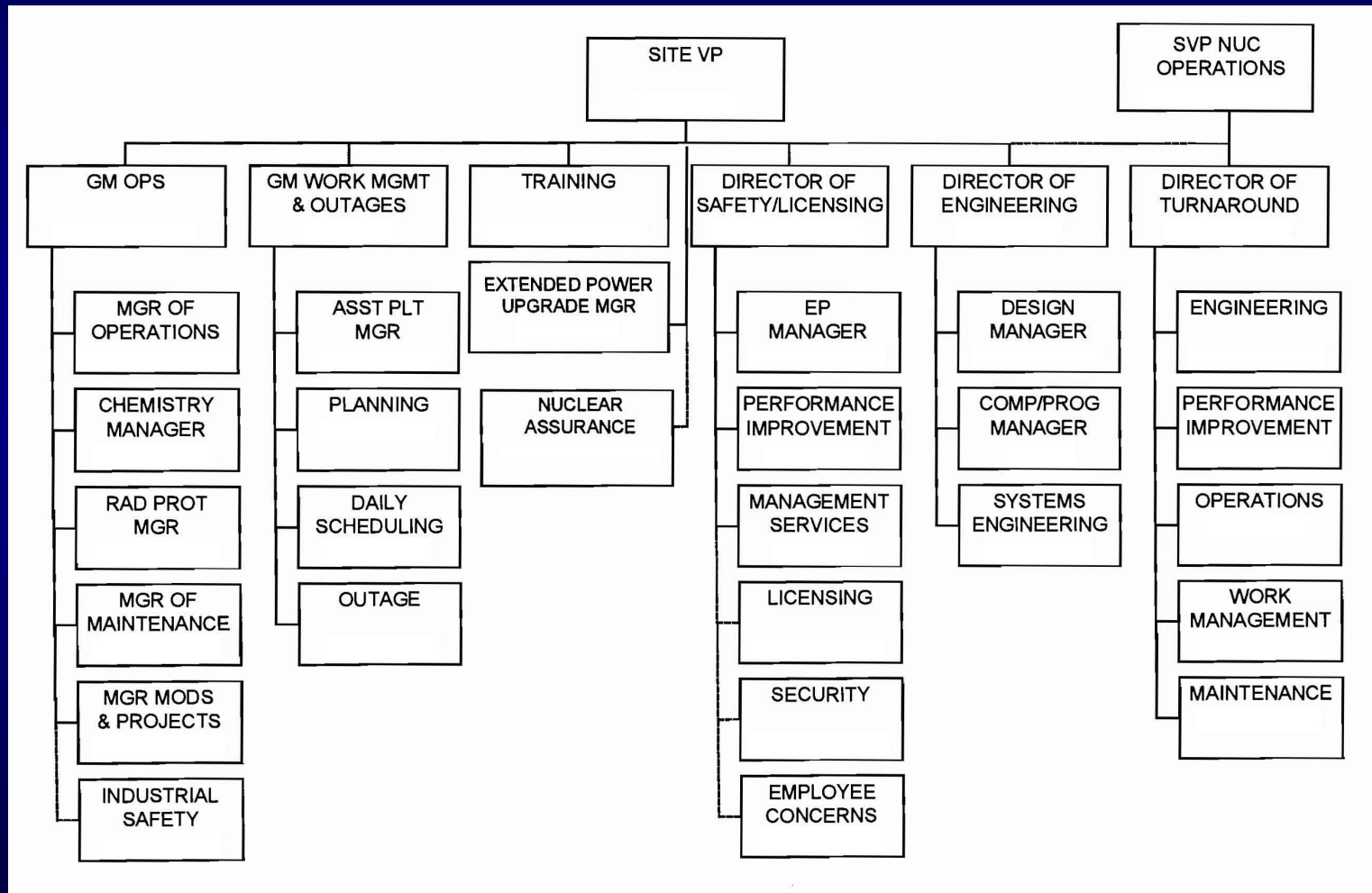
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Southern Company – Plant Vogtle



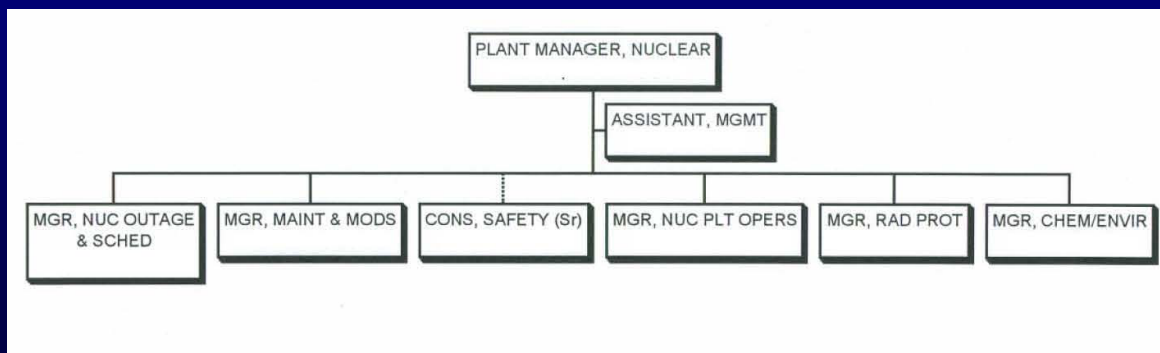
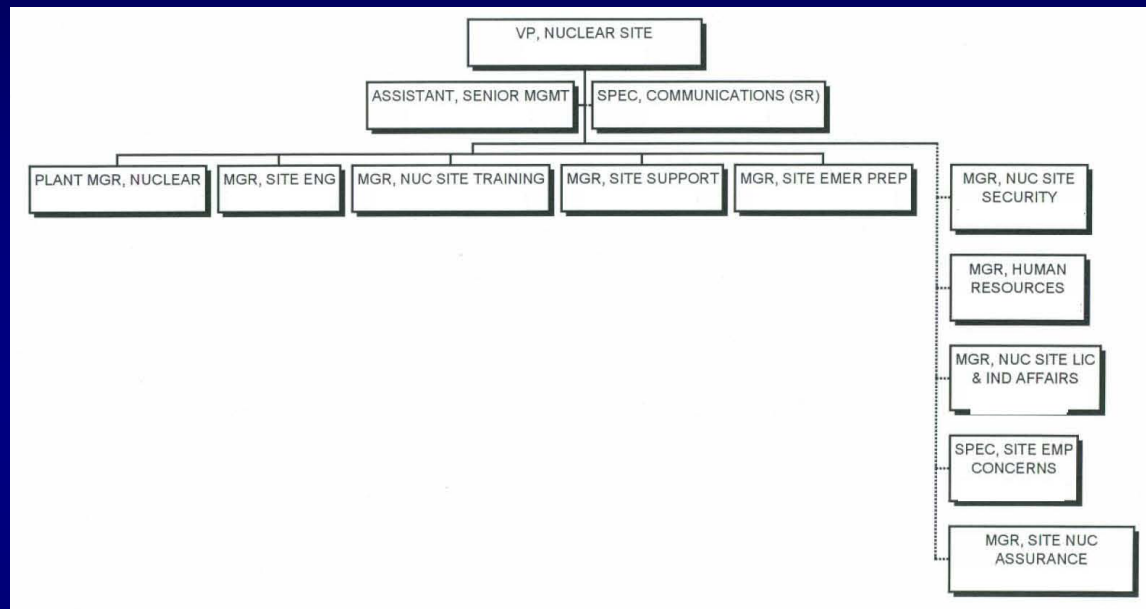
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TVA – Browns Ferry



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TVA – Sequoyah



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TVA – Watts Bar

TENNESSEE VALLEY AUTHORITY

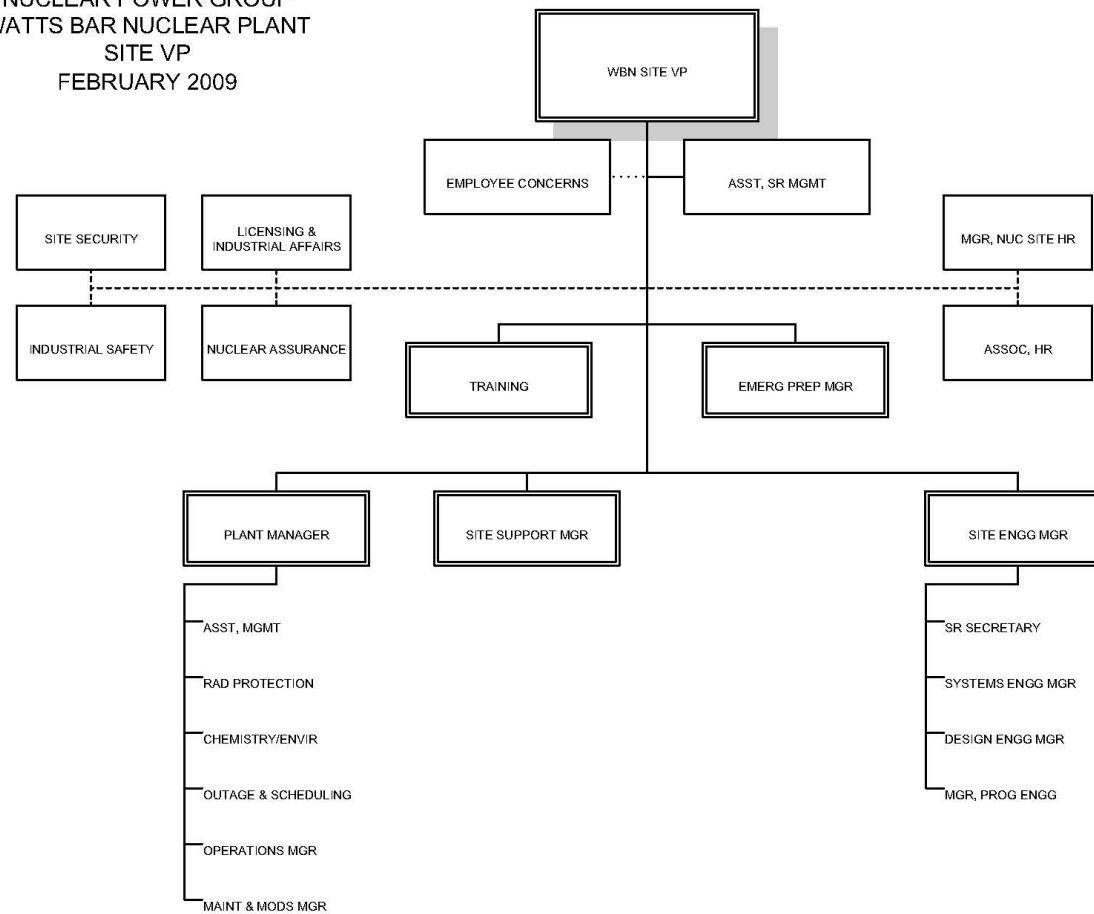
CHIEF OPERATING OFFICER

NUCLEAR POWER GROUP

WATTS BAR NUCLEAR PLANT

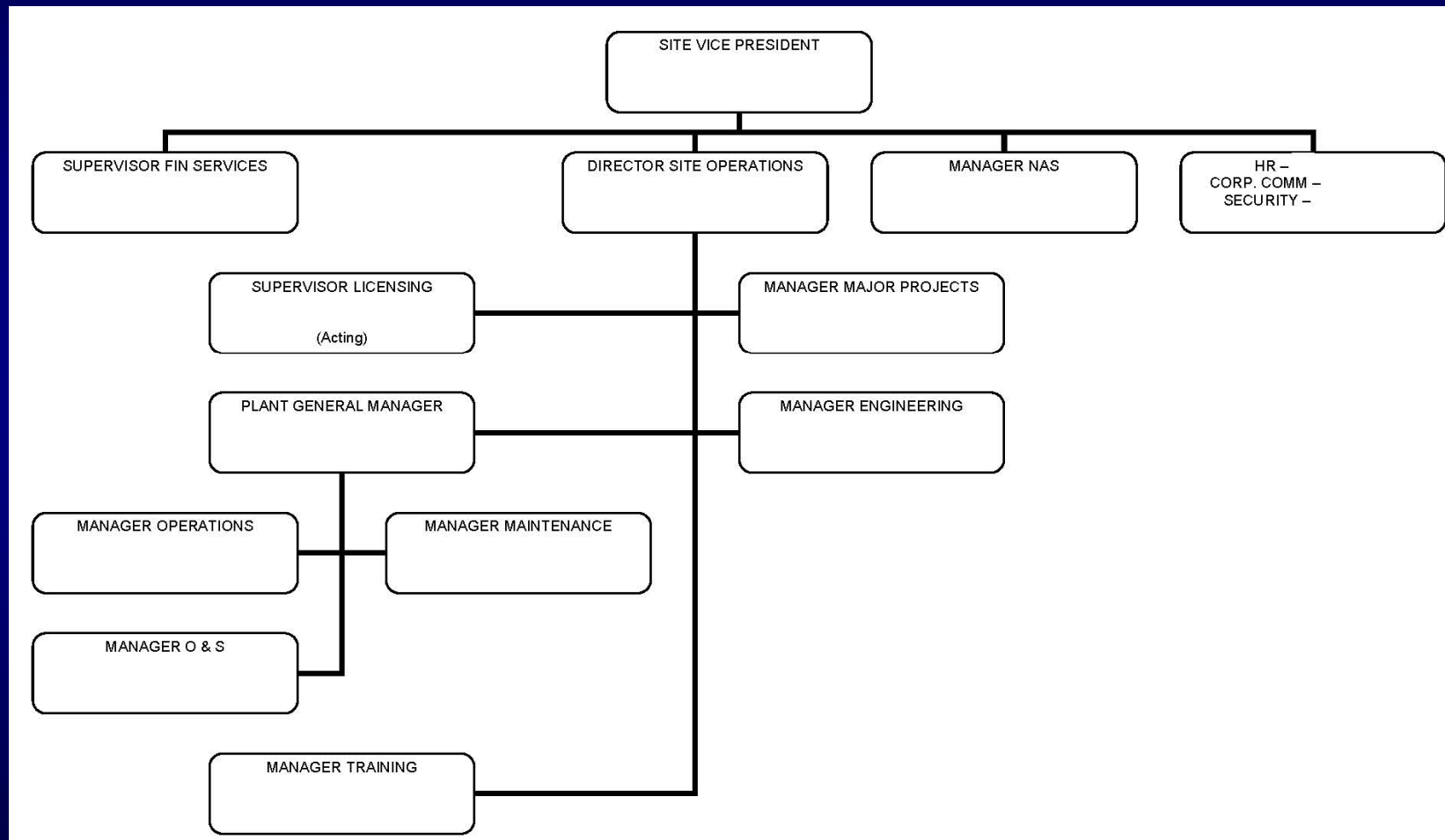
SITE VP

FEBRUARY 2009



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Progress Energy – Crystal River



Nuclear Plant Organization

IAEA Guidance – TECDOC 1052

- **Organize and staff using proven organizational design principles**
- **Compare staffing against levels at other plants**
- **Create a learning organization**
- **Design the organization to aid in achieving the production potential of the plant**
- **Encourage teamwork to improve performance**
- **Share human and other resources**
- **Establish partnerships with contractors/suppliers**
- **Special organizational considerations for international projects**