

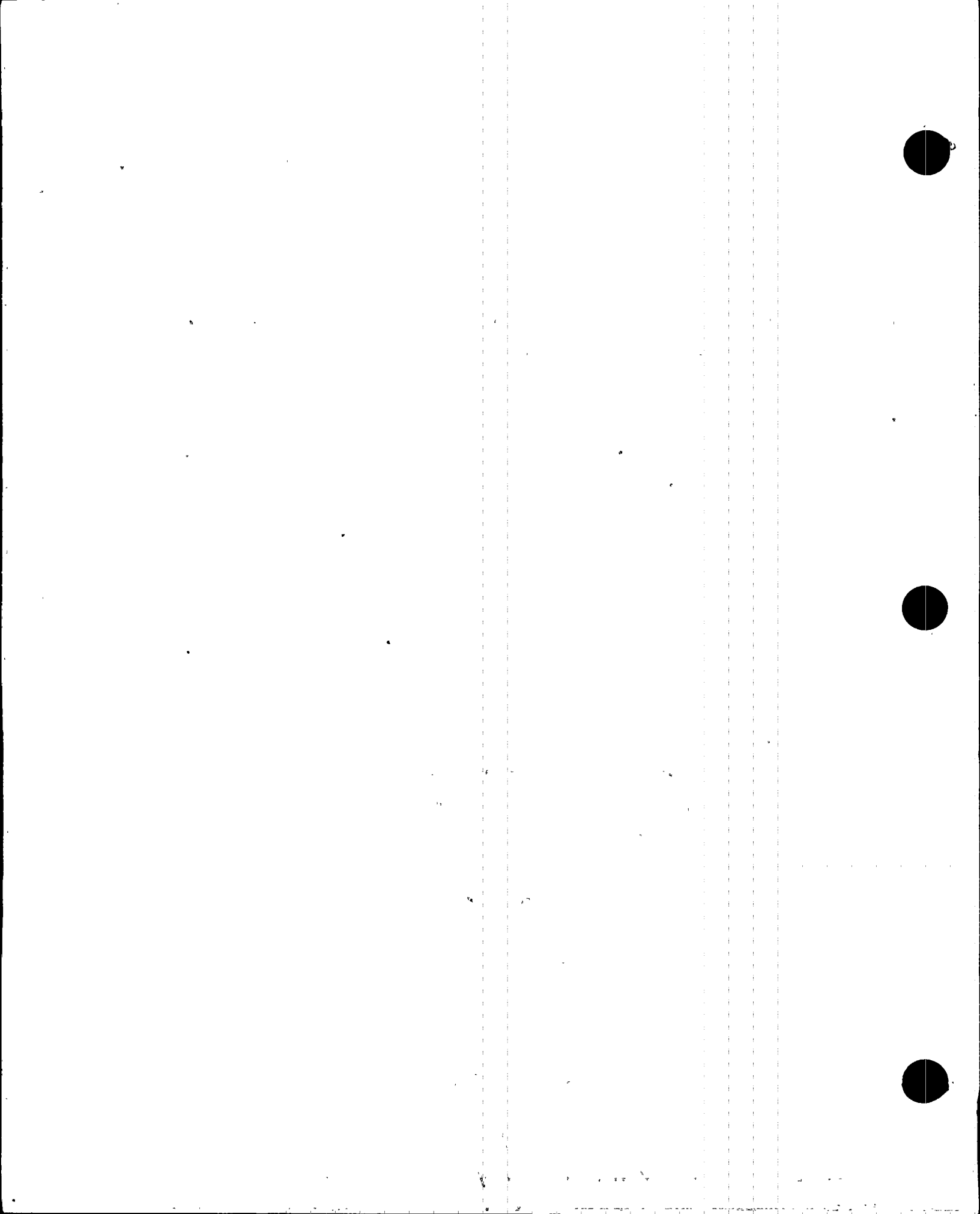
**TOPICAL QUALITY ASSURANCE REPORT****TQR 1.0****ORGANIZATION****RR906****Rev. 28 Draft B****Date 09/18/96****Page 1 of 31****1.1 GENERAL REQUIREMENTS**

The Florida Power & Light (FPL) organizational structure shall be defined such that the responsibilities for establishment and implementation of the Quality Assurance Program are clearly identified. The authority and duties of individuals and organizations performing quality assurance and quality control functions shall be described, and shall illustrate the organizational independence and authority necessary to identify problems; to initiate, recommend, or provide solutions; and to verify implementation of solutions. In addition, the description shall illustrate that persons or groups responsible for verifying the correct performance of an activity are independent of the person or groups responsible for performing the activity.

1.2 IMPLEMENTATION

The FPL Chairman of the Board and Chief Executive Officer is ultimately responsible for the execution of the Quality Assurance Program for FPL nuclear power plants. The authority for developing and verifying execution of the program is delegated to the President Nuclear Division and the Director Nuclear Assurance. The reporting relationship of each department involved with the Quality Assurance Program is shown in Appendix A.

To provide for a review and evaluation of Quality Assurance Program policies and activities, the President Nuclear Division has established the Company Nuclear Review Board (CNRB). This organization's responsibilities are defined in Section 1.3.1.



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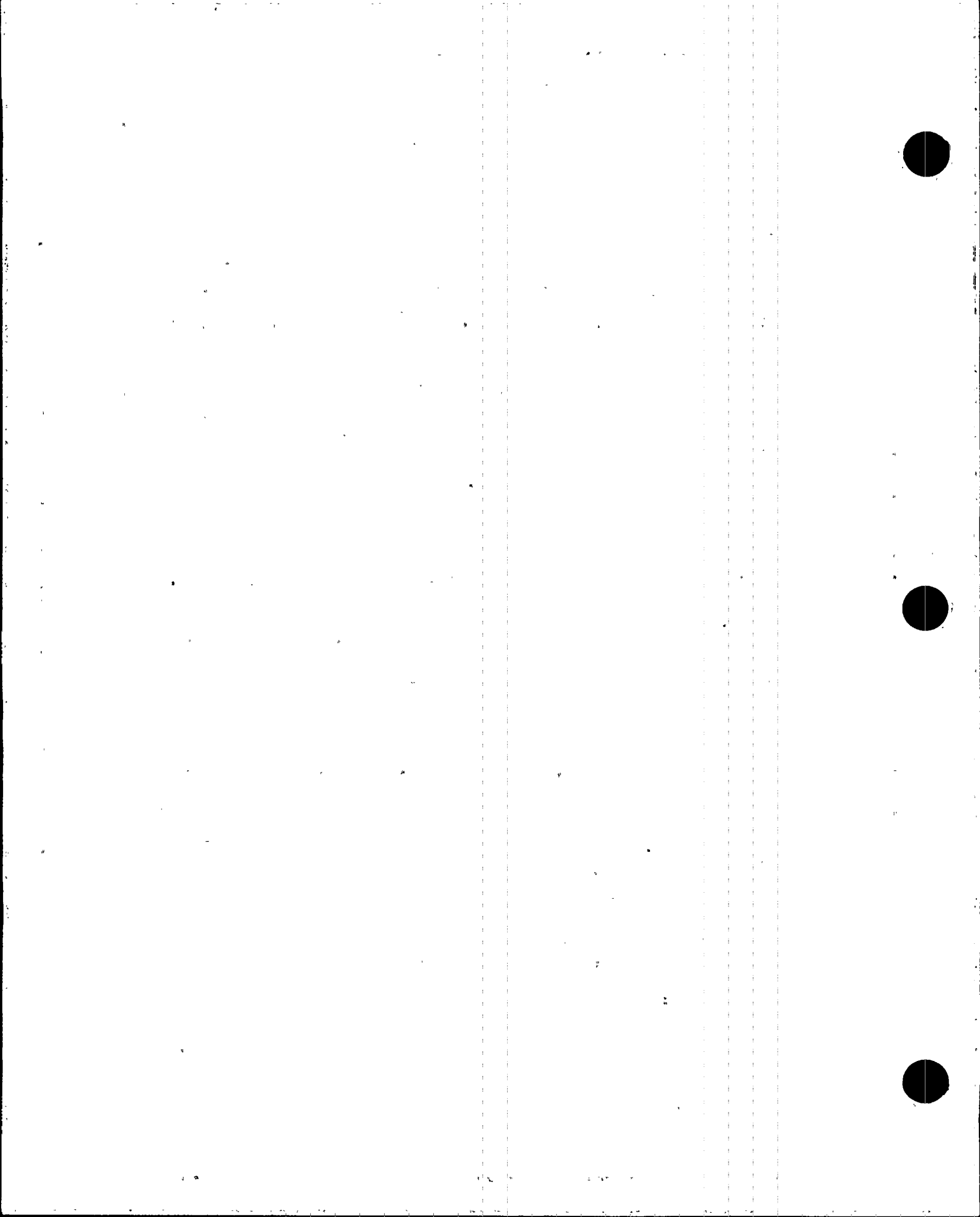
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In addition, a Quality Assurance Program Review Committee (QAPRC) has been established to review changes to the Quality Assurance Program and to provide an interface for quality matters in each department affecting quality. The QAPRC is an interdepartmental organization with the responsibility to review and resolve recommended changes to the Quality Assurance Program. This committee is administered by the Quality Assurance Services Performance Assessment group. Quality Assurance Program changes reviewed by the QAPRC are reviewed and signed by the affected department heads.

A Quality Assurance Program Review Committee (QAPRC) Member shall be designated by the head of each department or organization. The QAPRC Member is the prime interface for coordination of quality matters within the member's department, with the Quality Assurance Department, and with other departments.

The head of each department or organization performing activities affecting quality is responsible for: a) identifying those activities within the organization which affect quality as defined by the Quality Assurance Program; b) establishing and clearly defining the duties and responsibilities of personnel within his organization who execute those activities affecting quality; and c) planning, selecting, and training personnel to meet the requirements of the Quality Assurance Program. The responsibility, authority, and organizational relationship for performing activities affecting quality within each organization shall be established and delineated in organizational charts and written job or functional descriptions.



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Activities affecting quality may be performed by FPL or be contracted. Should any of these functions be contracted, the contractor may perform the activities under his own Quality Assurance Program, which must have prior approval by FPL Quality Assurance, or the contractor may directly adopt the requirements of the FPL Quality Assurance Manual. If the contractor implements the Quality Control function directly to the FPL Quality Assurance Manual requirements, the contractor's Quality Control Supervisor shall have the authority and freedom to administer the Quality Control program.

1.3 RESPONSIBILITIES

The organization charts in Appendix A illustrate the lines of authority and areas of responsibility for each of the organizations that are involved in activities affecting quality. Below are listed the departments and organizations that have quality assurance responsibilities. Organizational responsibilities for implementation of the Quality Assurance Program are described in the Topical Quality Requirements (TQRs).

1.3.1 Nuclear Division**1.3.2 Support Departments**

1.3.1.1 Plant Vice Presidents

1.3.2.1 ~~Administrative Services~~
~~— Corporate Records~~
~~— Documentary Files~~
Corporate Records

1.3.1.2 ~~Nuclear Services~~
Licensing and
Special Programs1.3.1.3 Nuclear Engineering
and Licensing

1.3.2.2 Environmental Affairs Services

1.3.2.3 Protection & Control Systems

1.3.1.4 Nuclear Assurance

1.3.2.4 Information Management

1.3.1.5 Nuclear Business Services



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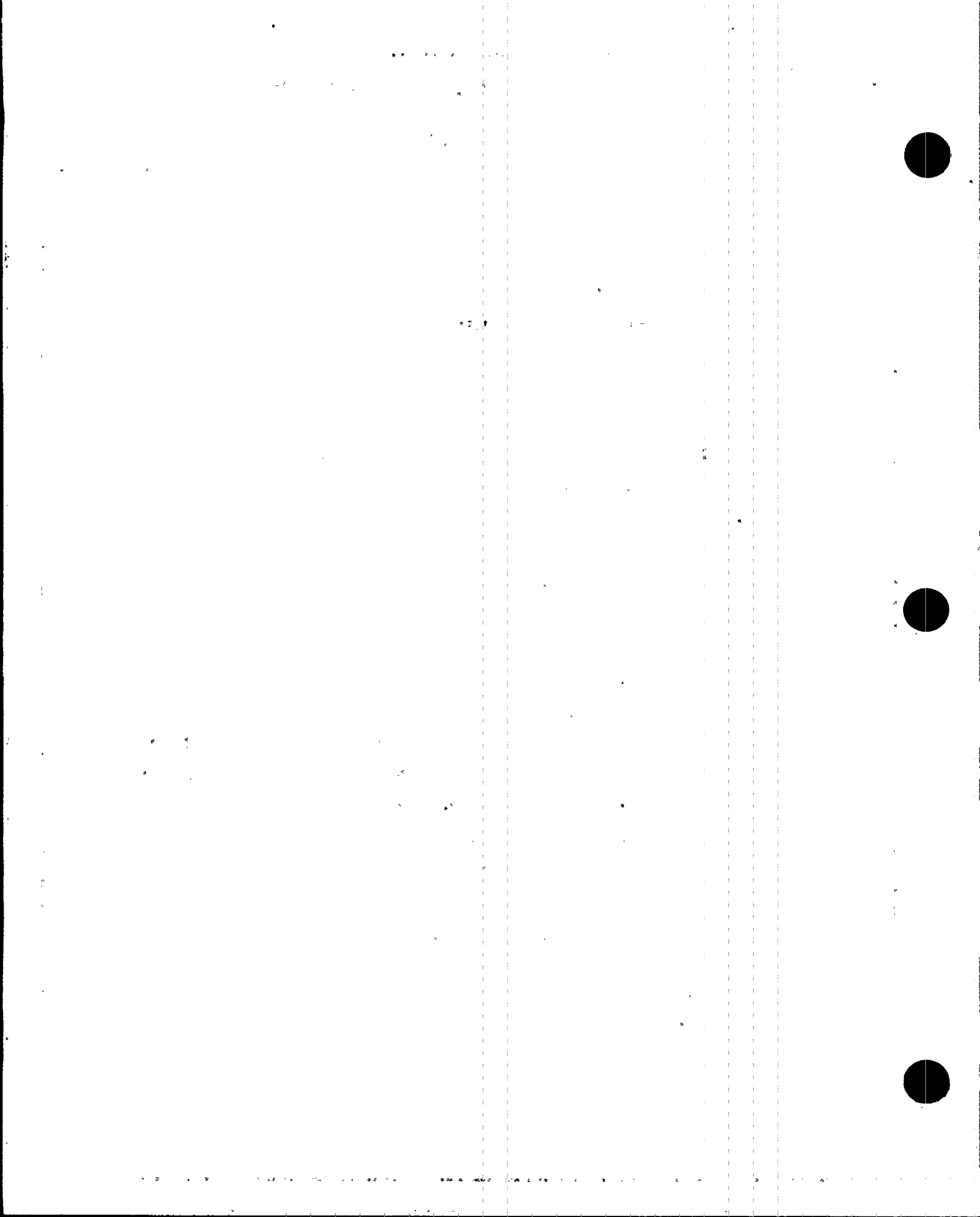
1.3.1 Nuclear Division

Throughout plant life, the Nuclear Division maintains control of and responsibility for nuclear power plant design, preoperational and start-up testing, operation, maintenance, refueling, and modification of the plant in accordance with written and approved procedures.

The President Nuclear Division has overall responsibility for the Nuclear Division's activities including corporate responsibility for overall plant nuclear safety. Reporting to the President Nuclear Division are: the Vice President - Turkey Point Plant, Vice President - St. Lucie Plant, Director Nuclear Assurance, Vice President Nuclear Engineering and Licensing, ~~Manager of Licensing and Special Programs~~, ~~Director Nuclear Services~~, and the ~~Manager~~ Director Nuclear Business Services.

The Company Nuclear Review Board (CNRB), reporting to the President Nuclear Division, is comprised of executive level members of management with responsibilities for the execution of the Quality Assurance Program. The CNRB reviews, or directs the performance of reviews of, activities concerning the technical aspects of the operating nuclear power plant insofar as they impact plant safety, the health and safety of the public, and laws, regulations and licensing commitments. In addition, audits of these areas are performed under the cognizance of the CNRB.

The CNRB composition is described in Section 6.0 of each facility's Technical Specifications. Subjects within the purview of the CNRB are listed in the appropriate plant Technical Specifications. The CNRB has the authority to carry out its responsibilities by way of written action letters, verbal directions, meeting minutes or appointed subcommittees. Where necessary, the CNRB may use consulting services to perform required reviews.



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The CNRB is responsible for reviewing and evaluating Quality Assurance Program policies and activities. Quality Assurance Program status reports shall be periodically given by the Quality Assurance Department.

CNRB meetings shall be held by the Chairman to keep members apprised of conditions including significant problems that require management attention. Periodic audits of the Quality Assurance Department shall be performed by a team independent of the Quality Assurance Department. The results of this audit are presented to the Director Nuclear Assurance and the CNRB.

1.3.1.1 Plant Vice Presidents

The Vice President - St. Lucie Plant and Vice President - Turkey Point Plant are accountable for the operation, maintenance, and modification of their respective nuclear plant, as well as the selection, development and direction of the assigned staff. They will act as liaison between the plants and corporate headquarters, and are accountable for ensuring that company policies and procedures are properly implemented and continued at the nuclear site, including procurement and control of material. The Plant Vice President has overall responsibility for implementation of the Environmental Protection Plans at their respective sites.

Other responsibilities of the site Vice President include the following:

Nuclear Services

- o Configuration management.



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Nuclear Training

- o Preparation of policy documents regarding nuclear training;
- o Support to secure the necessary resources to ensure that site personnel are adequately trained. They must have adequate technical and job related skills to provide safe and efficient operation while complying with NRC requirements.

Nuclear Security

- o Coordinate with the opposite plant site for overall development and implementation of the FPL Nuclear Security program.

Nuclear Business Systems

- o Coordinating contract activities.
- o Reviewing contracts to assure that technical and quality requirements developed by others are incorporated into the procurement documents which it authorizes.
- o Ensuring that site-based information management programs are in compliance with FPL software QA commitments.
- o Business Systems Departments at PSL and PTN are accountable for directing the identification, design, development, implementation, on-going maintenance, and control of all nuclear site specific data processing information management systems (excluding process applications), and identifying applicable site specific software in a Computer Software Index (CSI).



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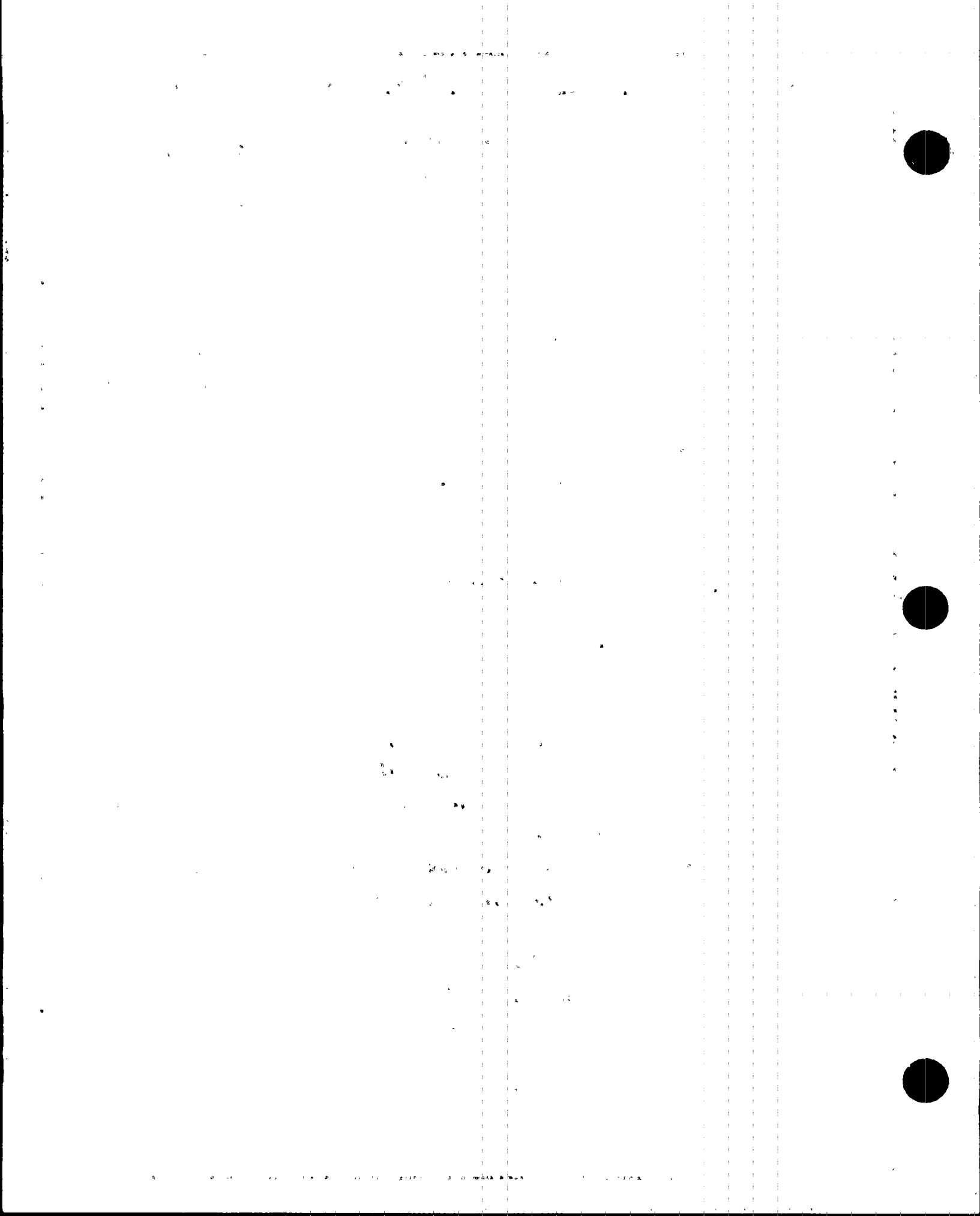
Nuclear Licensing

- o Maintenance of the operating license;
- o Interface with the NRC;
- o Resolution of NRC safety and regulatory issues;
- o Administering the Operating Experience and Feedback System.

Nuclear Materials Management

- o Negotiation, generation, issuance of procurement documents for required items and services supporting the operation, licensing, maintenance, notification, and inspection of FPL nuclear plants, and for materials and equipment to support Nuclear Division staff;
- o Reviewing procurement documents to assure that technical and quality requirements developed by others are incorporated into the procurement documents which it authorizes.

~~Reporting to the Plant Vice President Turkey Point Plant are the Plant General Manager, the Services Manager, the Human Resources Manager, the Business Systems Manager, the Materials Management Manager, and the Licensing Manager. Also, the Plant Vice President has functional responsibility over the Human Resources Manager and the Site Engineering Manager providing work direction to this group these groups.~~



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The organization of Turkey Point Plant and St. Lucie Plant is shown in Appendix A.

~~Reporting to the Vice President - St. Lucie Plant are the Plant General Manager, the Services Manager, the Licensing Manager, the Materials Management Manager, and the Human Resources Manager. Also, the Plant Vice President has functional responsibility over the Site Engineering Manager, providing work direction to this group.~~

RR910

The Plant General Manager - PSL and Plant General Manager - PTN, through the respective Plant Vice President, are responsible for the safe operation of the nuclear plant. The Plant General Managers have control of the onsite resources necessary for the safe operation and maintenance regardless of organizational reporting.

The Plant Nuclear Safety Committee (PNSC) at Turkey Point Plant and the Facility Review Group (FRG) at the St. Lucie Plant are comprised of key plant management and staff personnel as described in the plant Technical Specifications. The PNSC/FRG serves the plant manager in a technical advisory capacity for the review of all safety-related procedures and activities that impact plant safety and the facility operating license.

RR913

~~Business Systems Departments at PSL and PTN are accountable for directing the identification, design, development, implementation, on-going maintenance, and control of all nuclear site specific data processing information management systems (excluding process applications), and identifying applicable site specific software in a Computer Software Index (CSI).~~





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~~Other responsibilities of the site Vice President include the following:~~

~~Nuclear Training~~

- ~~o Preparation of policy documents regarding nuclear training;~~
- ~~o Support to secure the necessary resources to ensure that site personnel are adequately trained. They must have adequate technical and job related skills to provide safe and efficient operation while complying with NRC requirements.~~

~~Nuclear Security~~

- ~~o Coordinate with the opposite plant site for overall development and implementation of the FPL Nuclear Security program.~~

~~Nuclear Services~~

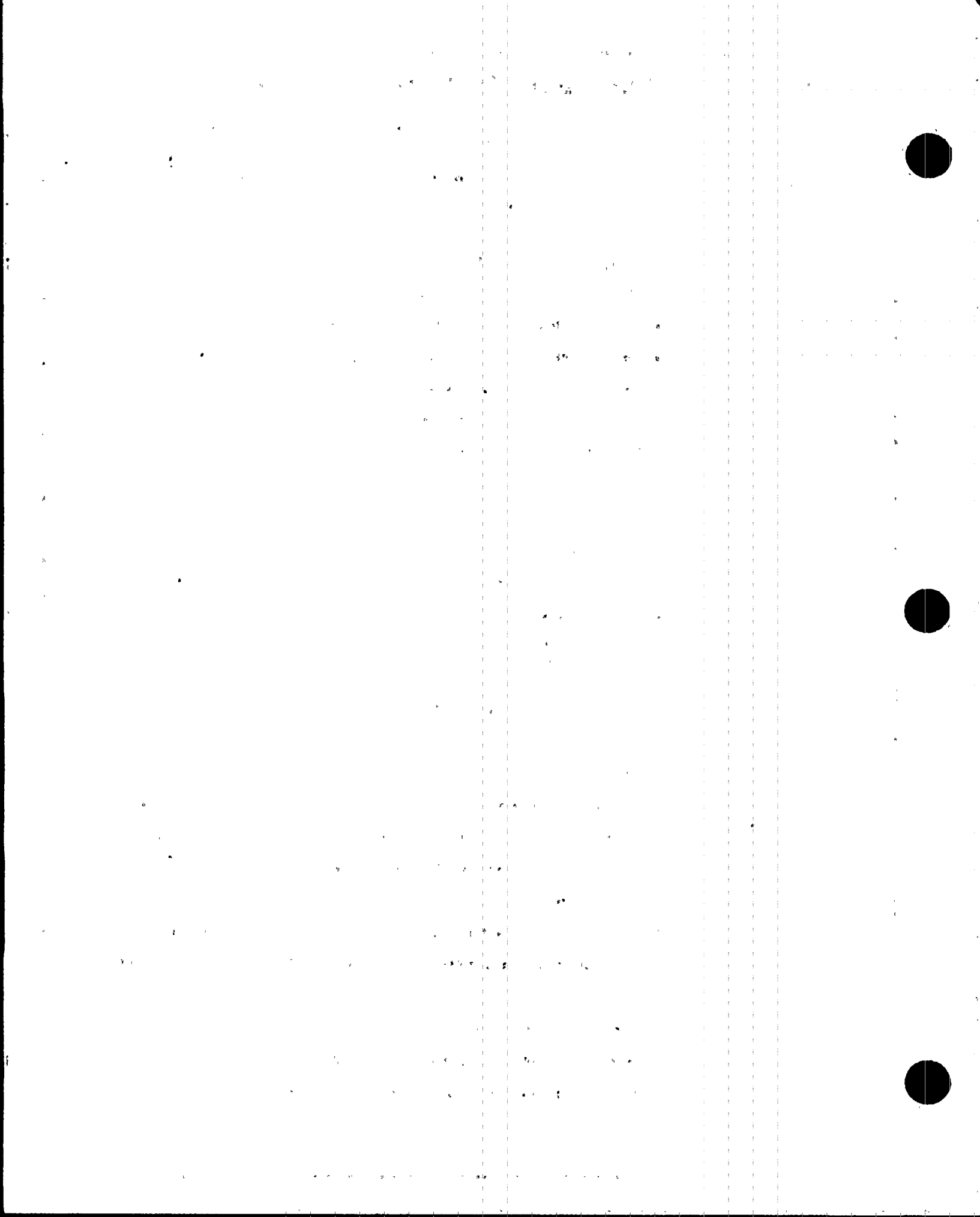
- ~~o Configuration management.~~

~~Nuclear Business Systems~~

- ~~o Coordinating contract activities.~~
- ~~o Reviewing contracts to assure that technical and quality requirements developed by others are incorporated into the procurement documents which it authorizes.~~
- ~~o Ensuring that site-based information management programs are in compliance with FPL software QA commitments.~~

~~Nuclear Licensing~~

- ~~o Maintenance of the operating license;~~
- ~~o Interface with the NRC;~~
- ~~o Resolution of NRC safety and regulatory issues;~~
- ~~o Administering the Operating Experience and Feedback System.~~





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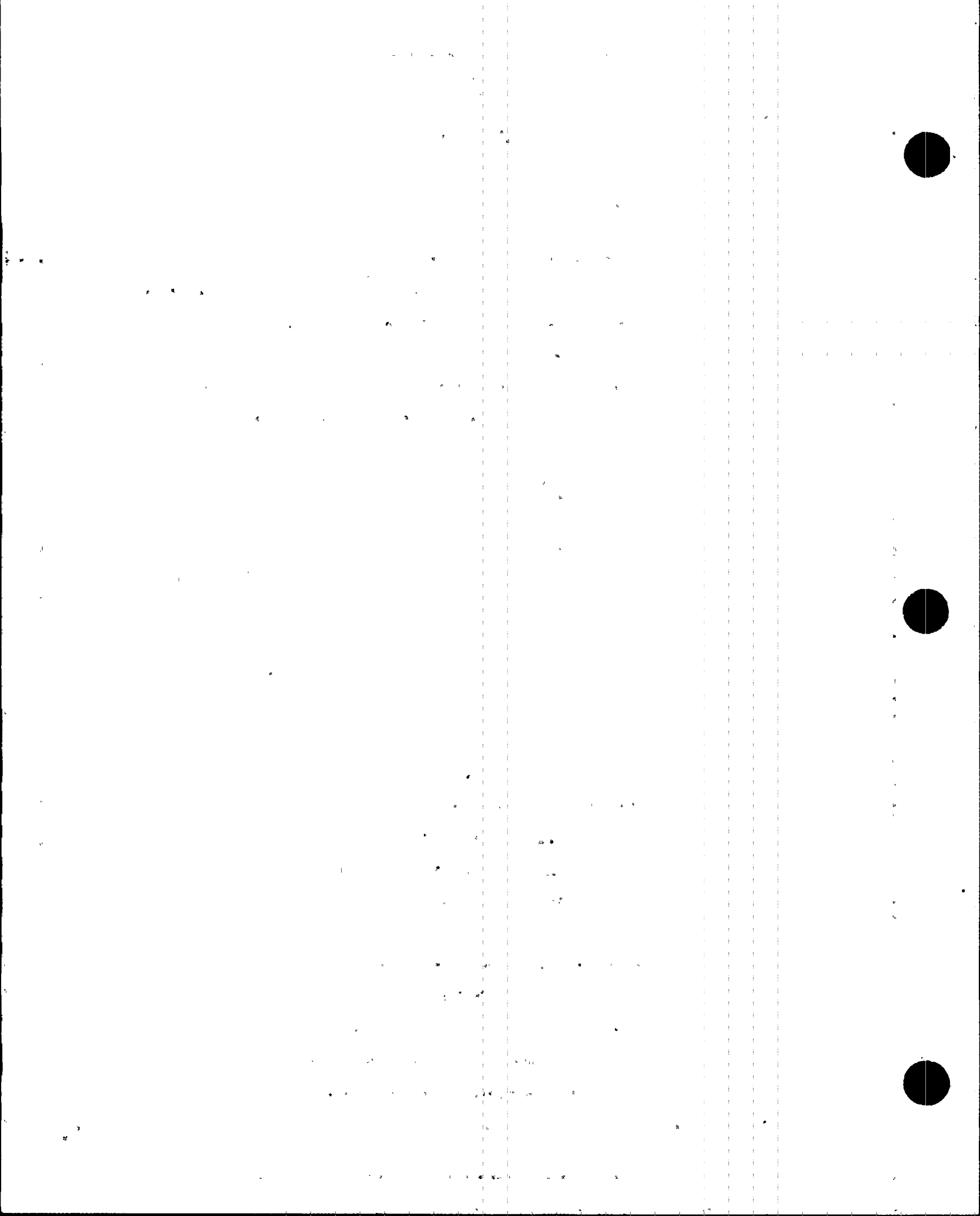
Nuclear Materials Management

- ~~o—Negotiation, generation, and issuance of procurement documents for required items and services supporting the operation, licensing, maintenance, notification, and inspection of FPL nuclear plants, and for materials and equipment to support Nuclear Division staff;~~
- ~~o—Reviewing procurement documents to assure that technical and quality requirements developed by others are incorporated into the procurement documents which it authorizes.~~

1.3.1.2 Nuclear Services Licensing and Special Programs

~~The Director Nuclear Services is accountable for technical staff support to the Nuclear Plants and certain centralized special functions. Reporting to the Director Nuclear Services are the Manager Nuclear Training, Manager Nuclear Security, Manager Nuclear Health Physics/Chemistry and the Manager Nuclear Emergency Preparedness.~~

- ~~a. The Manager Nuclear Training prepares policy documents regarding nuclear training and provides support to secure the necessary resources to ensure that Nuclear Division personnel are adequately trained. They must have adequate technical and job-related skills to provide safe and efficient operation while complying with NRC requirements.~~
- ~~b. The Manager Nuclear Security is responsible for coordinating the overall development and implementation of the FPL nuclear security program.~~
- ~~c. The Manager Nuclear Health Physics/Chemistry provides technical support and assistance to the plants in the areas of health physics, chemistry, radioactive waste and hazardous material control.~~



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~~d. The Manager Nuclear Emergency Preparedness provides technical support and assistance to plant and corporate management for activities associated with radiological emergency plans and procedures.~~

The Manager Licensing and Special Programs is responsible for selected licensing support activities at the Juno Beach Office. This includes:

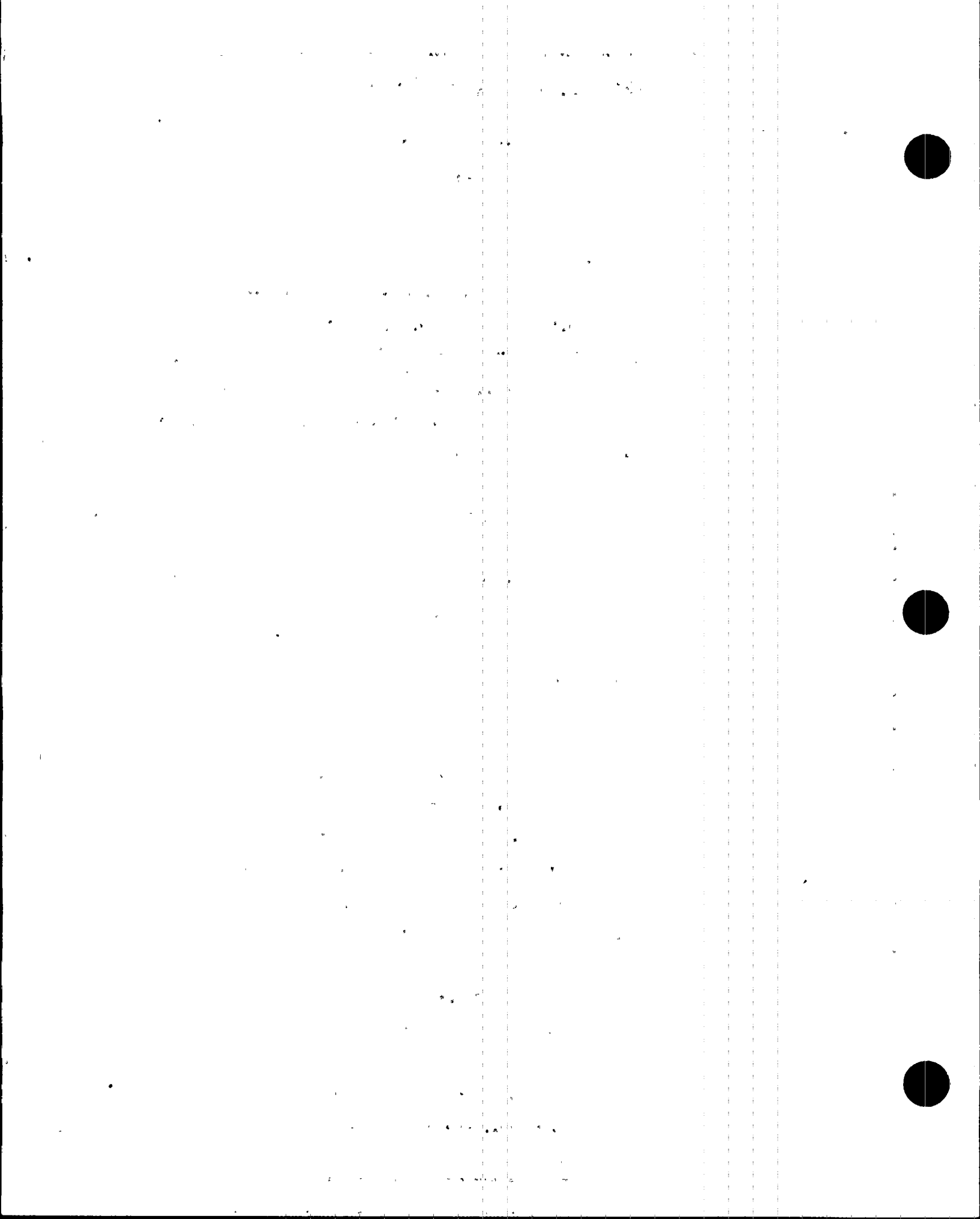
- o Advising senior Nuclear Division management on a regular basis of important developments in licensing areas which could significantly affect the Nuclear Division;
- o Coordinating with the Law Department for Nuclear Division licensing hearings and legal services;
- o Administering special programs, such as:
 - o Plant life extension,
 - o Environmental issues,
 - o Self assessment,
 - o INPO coordination.

1.3.1.3 Nuclear Engineering and Licensing

~~The Vice President Nuclear Engineering and Licensing is responsible for nuclear plant design and engineering support materials management at Juno Beach, contract activities and maintaining the operating licenses.~~

~~Reporting to the Vice President Nuclear Engineering and Licensing are the Manager Turkey Point Engineering, Manager St. Lucie Engineering, Manager Licensing and Special Programs, Manager Materials Management, Director Technical Support, Manager Component Support and Inspections, and the Manager St. Lucie Steam Generator Repair Project Nuclear Fuels, and Supervisor Reliability and Risk Assessment.~~

The Nuclear Engineering organization is shown in Appendix A.



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a. Nuclear Engineering

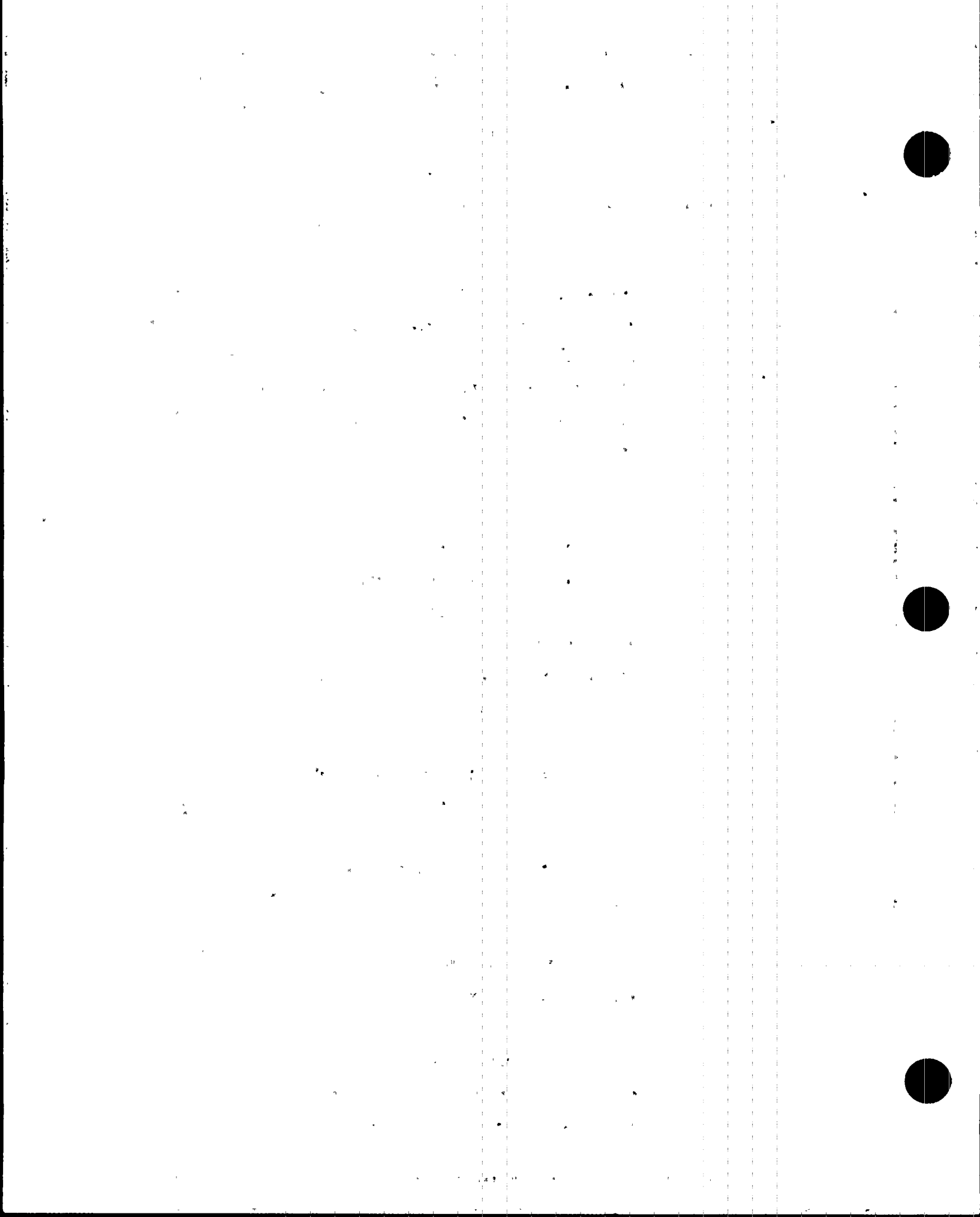
Nuclear Engineering includes personnel located at both nuclear sites and at the corporate office. Nuclear Engineering performs design-related activities and delegates design-related activities to qualified contractors. For activities performed by Nuclear Engineering, the work is governed by FPL's Quality Assurance Program, and Nuclear Engineering is responsible for approval of the design output.

Delegated activities are performed in accordance with an FPL approved Quality Assurance Program and the contractor is responsible for approval of design output. Nuclear Engineering is responsible for defining the scope of delegated activities and the responsibilities of the contractor. Prior to the release of design outputs by contractor organizations, Nuclear Engineering ensures that the contractor is technically qualified to perform the design-related activity.

The Manager - Turkey Point Engineering and the Manager - St. Lucie Engineering provide on-site engineering support and direct the engineering aspects of all FPL nuclear power plant projects during construction and operation to assure efficient, economical and reliable power plant design, conformance with engineering schedules and budgets and compliance with regulatory requirements.

Nuclear Engineering is responsible for:

- o power plant design related aspects of the FPL Quality Assurance Program throughout all phases of plant life. ~~This responsibility extends from initial engineering evaluations of plant design-related site characteristics, through preliminary and detailed design, construction, operation and decommissioning;~~



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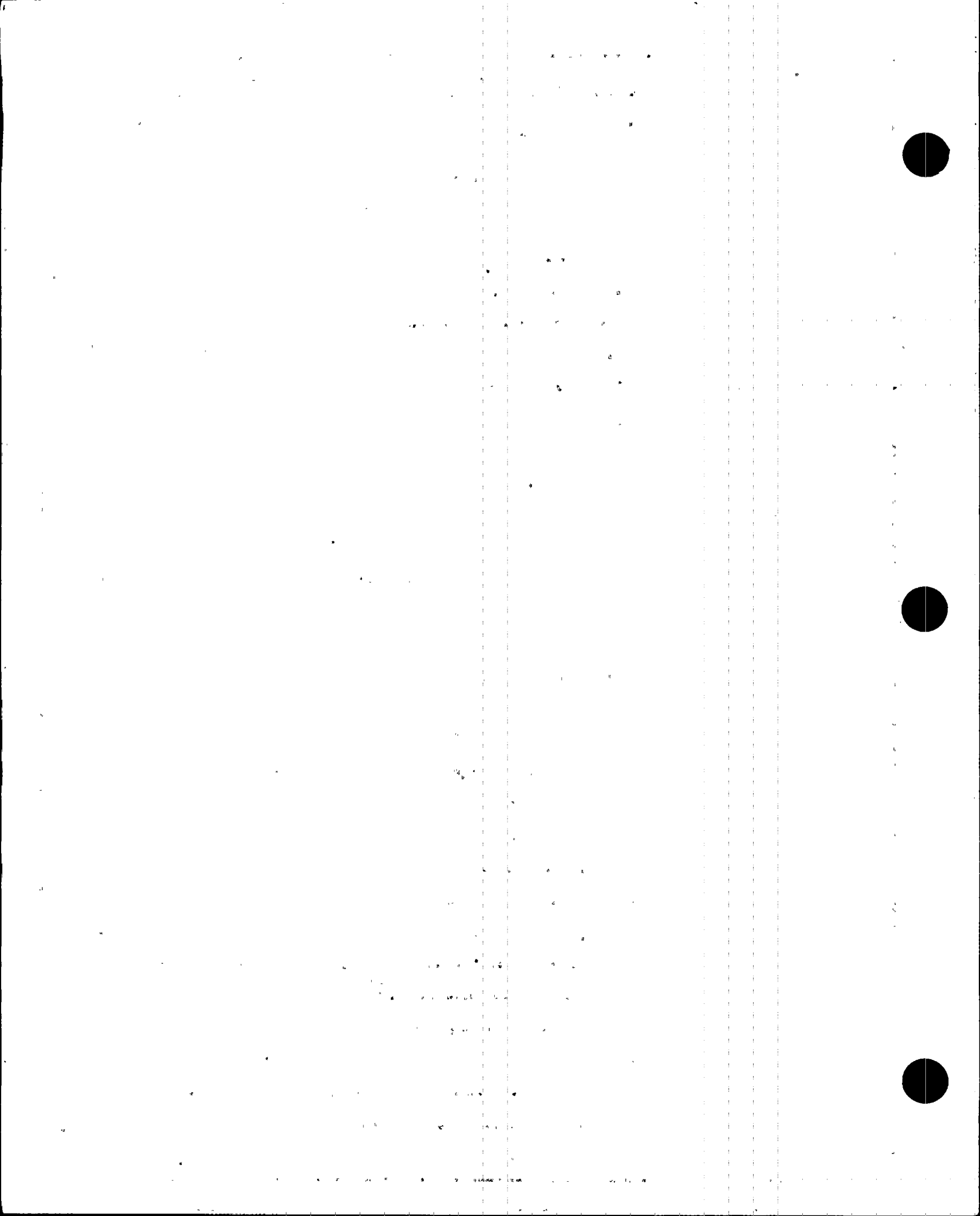
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- o development and maintenance of the design control program governing design-related activities performed by Nuclear Engineering and for providing technical support to the Quality Assurance Department for assessing the adequacy, implementation and effectiveness of contractor design control programs;
- o the preparation, revision, approval and distribution of plant design records that are identified to be maintained as "as constructed" drawings during plant operation;
- o the development, control, and performance of certain aspects of items and services procurement, including establishment of procurement standards, the technical evaluation, equivalency evaluation, and commercial grade dedication of replacement parts/components for nuclear plants;
- o review of the technical and quality requirements in procurement requisitioning documents and changes thereto for safety related and quality related items and services, as well as configuration control activities for controlled design documentation associated with procurement. The review shall be performed by individuals other than the document originator;
- o **Administering the Nuclear Problem Reporting System in Juno Beach.**

Aspects of the above activities are performed by the Juno Beach Engineering organization as determined by the Vice President Nuclear Engineering and Licensing.

~~b. Licensing and Special Programs~~

~~Licensing and Special Programs is responsible for engineering activities at the Juno Beach office and licensing activities as follows:~~





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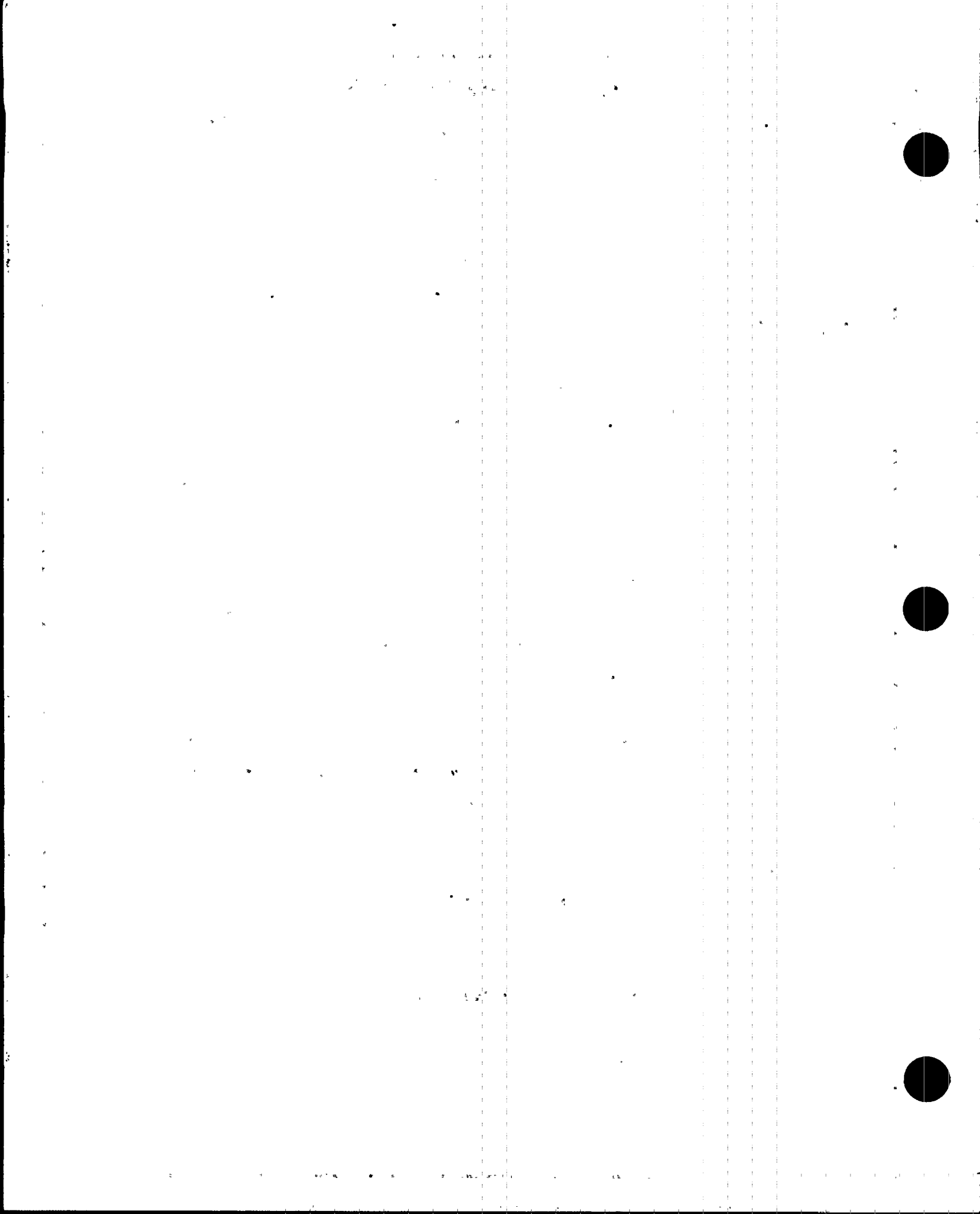
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- ~~o Engineering assurance;~~
- ~~o Probabilistic risk management;~~
- ~~o Electrical engineering support;~~
- ~~o Civil engineering support;~~
- ~~o Mechanical engineering support;~~
- ~~o Configuration management and document control;~~
- ~~o Nuclear Division corporate interface with the NRC;~~
- ~~o Nuclear Division corporate administrative point of contact with INPO;~~
- ~~o Managing NRC safety and regulatory issues and developing effective strategies to resolve them;~~
- ~~o Advising senior Nuclear Division management on a regular basis of important developments in licensing areas which could significantly affect the Nuclear Division;~~
- ~~o Providing Nuclear Division licensing hearing and legal services;~~
- ~~o Providing corporate licensing support and guidance to onsite licensing organizations;~~
- ~~o Administering the Nuclear Problem Reporting System;~~
- ~~o Administering the Commitment Tracking System;~~
- ~~o Administering the Operating Experience and Feedback System.~~
- ~~e. Materials Management~~
 - ~~Materials Management is responsible for:~~
 - ~~o negotiation, generation, issuance, and management of contracts (except nuclear fuel) and purchase orders for required contracted services supporting the operation, licensing, maintenance, modification, and inspection of FPL nuclear plants, and for materials and equipment to support Nuclear Division staff;~~
 - ~~o reviewing procurement documents to assure that technical and quality requirements developed by others are incorporated into the procurement documents which it authorizes;~~



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- ~~o ensuring that requisitioning documents have the required approvals;~~
- ~~o maintaining traceability of procurement document records for which they are responsible until transmitted to an approved storage facility.~~

d. ~~Nuclear Technical Support~~

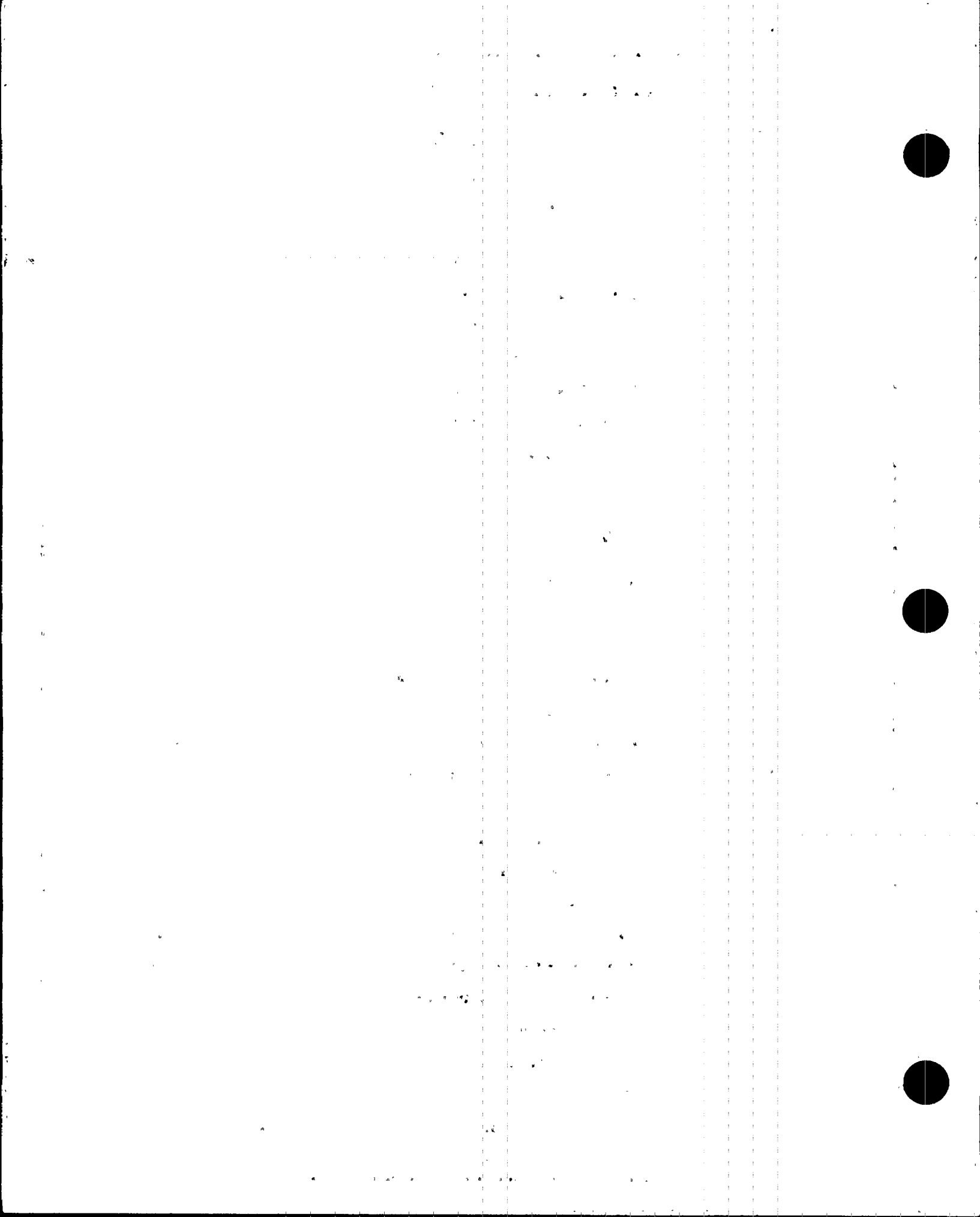
~~Nuclear Technical Support is responsible for the identification, design, development, implementation, on-going maintenance, and control of all Nuclear Division data processing information systems excluding process applications.~~

~~This encompasses the following accountabilities:~~

- ~~o directing the development, implementation, and on-going maintenance of information management systems;~~
- ~~o coordinating and directing the computer hardware and telecommunication planning and control within the Nuclear Division;~~
- ~~o ensuring that the Nuclear Division's information management program is in full compliance with software quality assurance regulations and guidelines;~~
- ~~o administering and controlling system access;~~
- ~~o executing software production release and change control activities;~~
- ~~o administering physical databases and providing on-going technical support.~~

b. Nuclear Fuels

~~Nuclear Technical Support.~~ The Manager Nuclear Fuels is also responsible for nuclear fuel engineering and procurement activities including the following:



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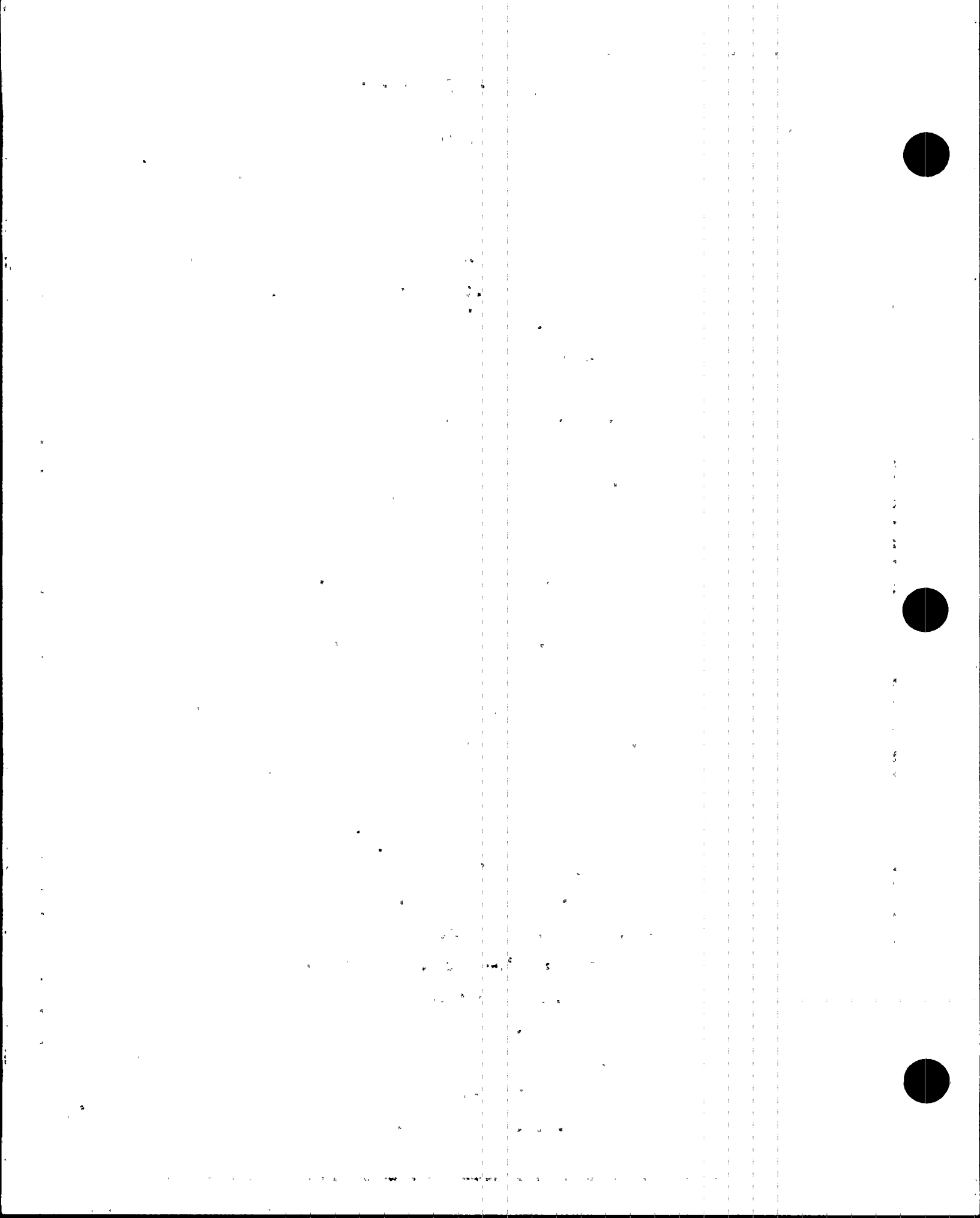
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- ~~o determining sources of supply, evaluating alternatives, and negotiating and establishing arrangements with suppliers for acquisition, processing and delivery of nuclear fuel and related services for the nuclear fuel cycle;~~
- o assuring that technical and quality requirements (including inputs from other FPL departments) are incorporated in fuel contracts and letters of authorization, ~~and that these documents have the necessary approvals;~~
- o administering and managing contracts for nuclear fuel and related services to assure that technical and quality obligations are met, and serving as FPL liaison in all matters of nuclear fuel and fuel-related contracts;
- o administering and managing spent fuel disposal contracts with Department of Energy and serving as FPL liaison in matters of nuclear fuel and high level waste disposal;
- ~~o performing the project management function with respect to fuel management, design, licensing, delivery and other technical aspects of nuclear fuel;~~
- o all fuel related design, analyses, reviews, and technical assistance necessary to ensure the safe, reliable, and economic operation of the nuclear plants;
- ~~o the optimization of nuclear fuel cycle economies within nuclear safety and operating constraints, as well as providing fuel related information, such as forecasts of nuclear fuel requirements to support licensing and regulatory requirements;~~
- o the development and/or review of fuel and nuclear physics design;
- o implementing and maintaining the FPL corporate nuclear material accountability program as outlined in the FPL Special Nuclear Material Control Manual;



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- o providing support to the Quality Assurance Department for their auditing of nuclear fuel design and fuel assembly manufacturing;
- o performing audits and coordinating accountability reporting on all nuclear fuel.

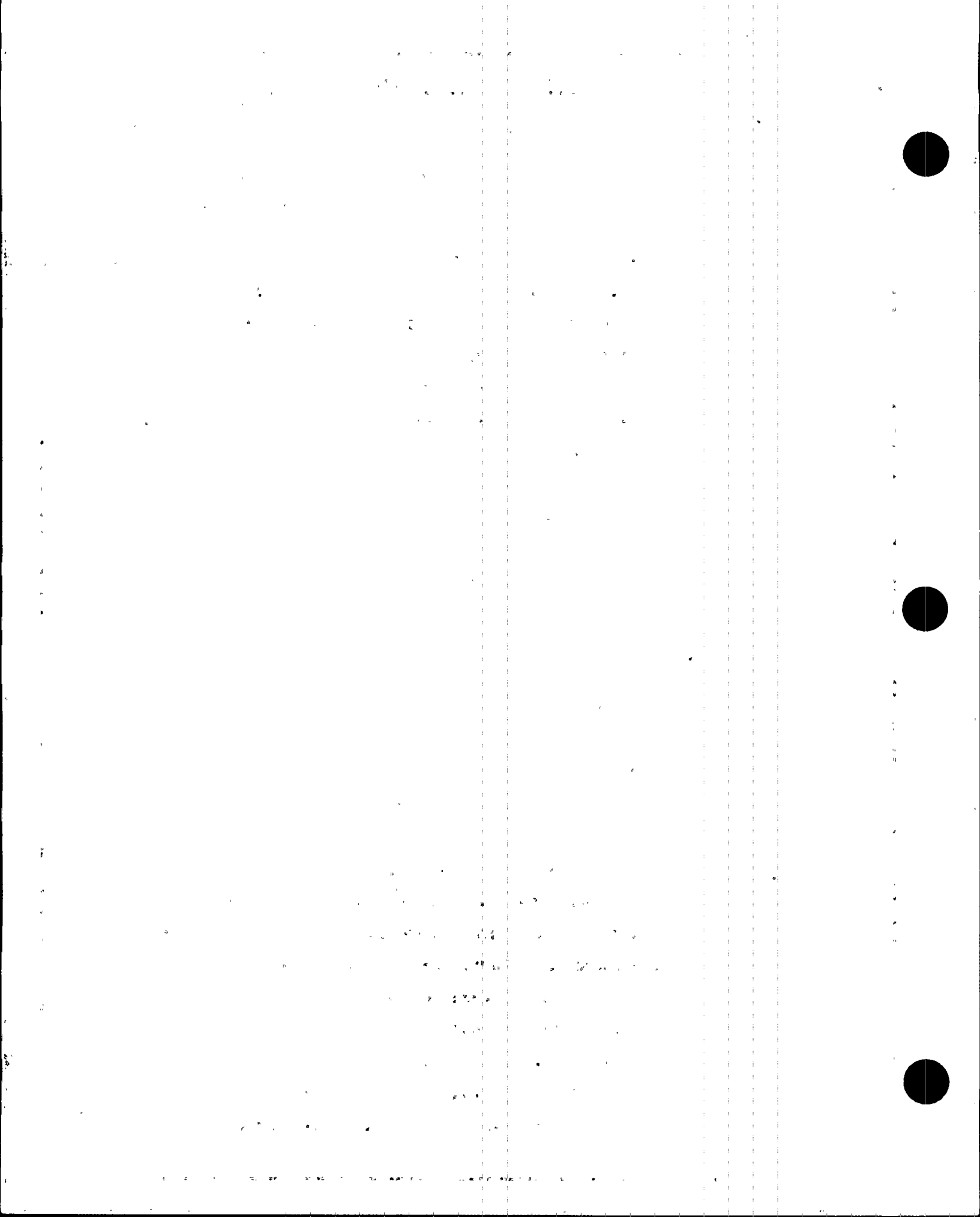
~~The Nuclear Records Official, reporting to the Director Technical Support, is responsible for:-~~

- ~~o ensuring the Quality Assurance records program activities are managed in accordance with applicable laws and regulations;~~
- ~~o developing, approving, and maintaining record retention schedules;~~
- ~~o establishing parameters for records indexing;~~
- ~~o locating acceptable record storage areas when requested;~~
- ~~o storage, retrieval and control of records/documents as requested by other departments;~~
- ~~o leading the evaluation of specially designated QARSET approved storage facilities, maintaining records of this evaluation, and establishing schedules to assure that re-evaluations are performed every two (2) years.~~

ce. Component Support and Inspections

The Manager Component Support and Inspections is responsible for providing support to the plants as follows:

- o providing technical support of activities associated with component reliability, materials evaluations, inspections, corrosion protection, non-destructive examination, and ASME Section XI implementation/problem resolution for nuclear plant components;
- o providing specific component expertise, metallurgical support, and non-destructive examination and inspections;



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- o establishing the FPL Welding Program to meet the requirements of the Quality Assurance Program and applicable codes and standards;
- o developing, maintaining, and controlling the procedures and instructions to implement the FPL Welding Program; and
- o originating and qualifying welding procedure specifications; and
- ~~o providing technical direction to personnel within the FPL Welding Program.~~

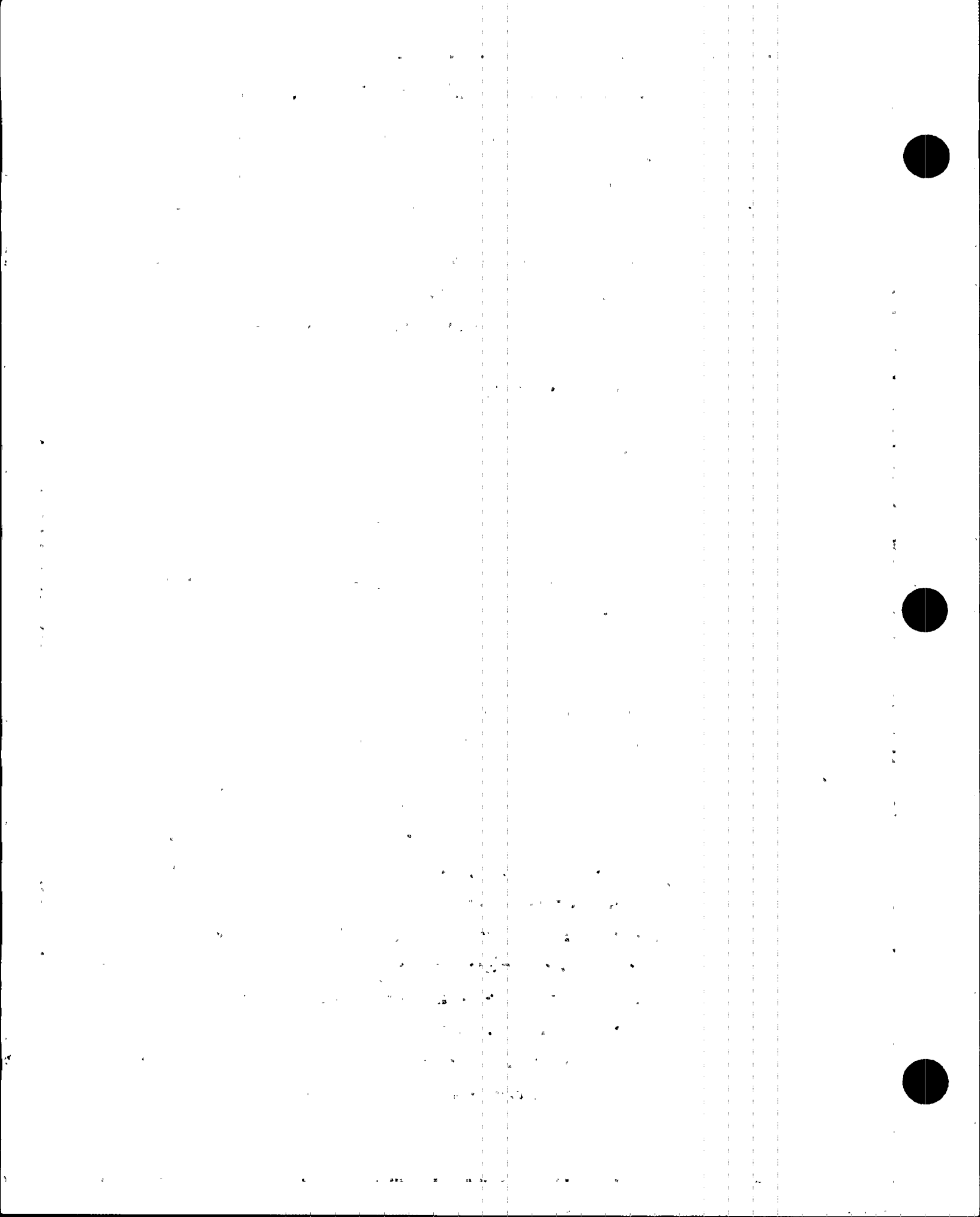
d. Reliability and Risk Assessment

The Supervisor of Reliability and Risk Assessment is responsible for providing support to the plants as follows:

- o prepare and maintain Probabilistic Safety Assessment (PSA) for each plant;
- o perform Risk Assessments in support of Maintenance activities;
- o perform Risk Assessments in support of the NRC Maintenance Rule.

1.3.1.4 Nuclear Assurance

The Director Nuclear Assurance is responsible for the selection, technical direction, administrative control (e.g. performance appraisal, salary review, hire/fire, position assignment) staffing, training and development of personnel required for supervisory and operating continuity of the Quality Assurance Department, Nuclear Safety Speakout, and the CNRB Subcommittee. The Director Nuclear Assurance serves as the CNRB Chairman. The Director Nuclear Assurance also initiates QA Program policy changes when necessary. In addition, the Director Nuclear Assurance is responsible for selecting a team independent of the Quality Assurance Department to perform periodic audits of the Quality Assurance Department. The results of these audits are presented to the Director Nuclear Assurance and the Company Nuclear Review Board (CNRB).



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~~Reporting to the Director Nuclear Assurance are the Site Quality Manager—Turkey Point, the Site Quality Manager—St. Lucie, Quality Manager—Juno Beach—QA Supervisor Performance Assessment, QA Supervisor Procurement Quality, the CNRB Administrator QA Supervisor CNRB, and Supervisor Nuclear Safety Speakout Investigators.~~

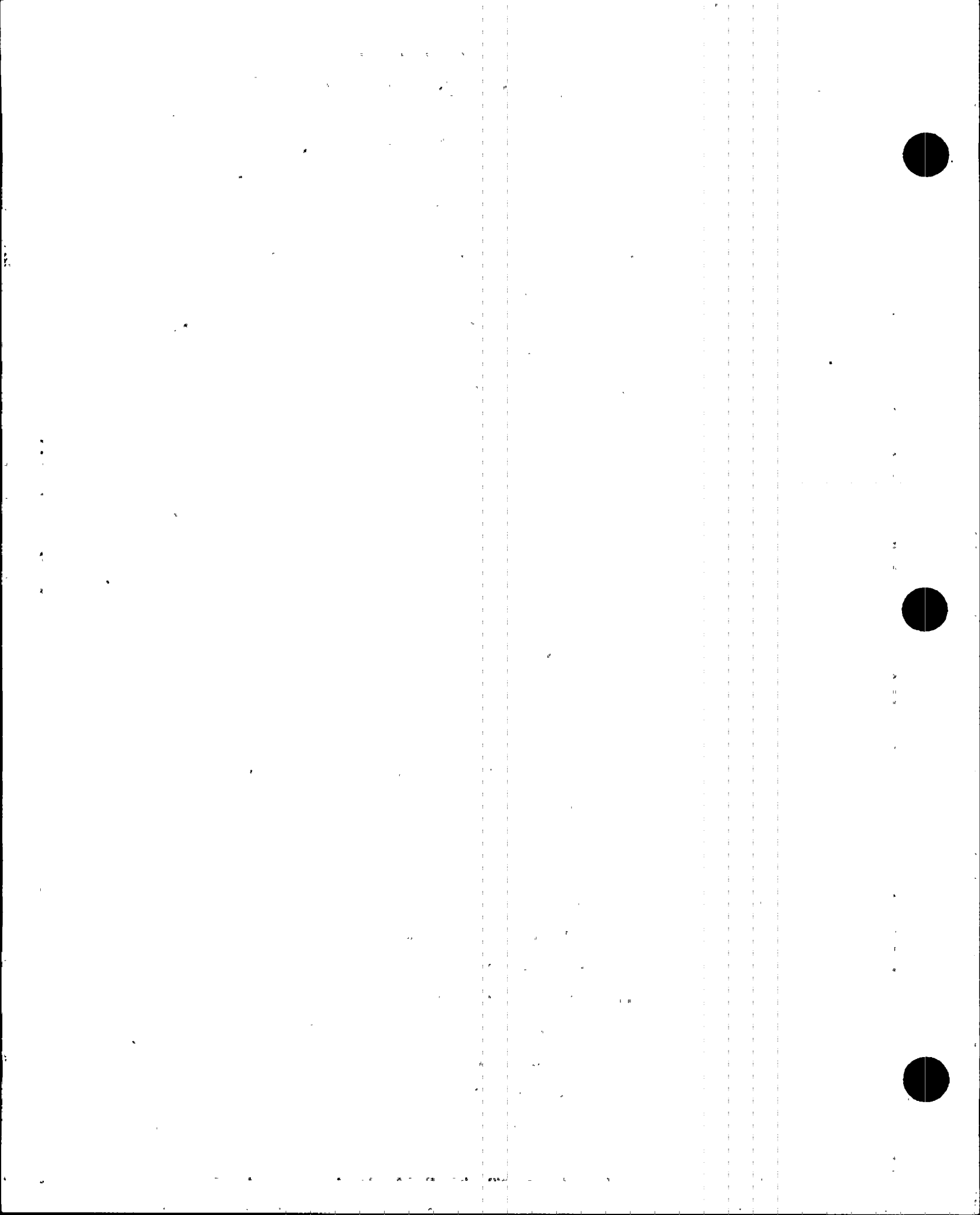
The Nuclear Assurance organization is shown in Appendix A.

a. Nuclear Safety Speakout

The Nuclear Safety Speakout Program provides a forum for employees and contractors to communicate their concerns to FPL. Concerns are documented, investigated and corrective actions are taken when necessary. The program offers confidentiality.

b. Quality Assurance Department

The Quality Assurance Department ~~shall be~~ is responsible for administering the FPL Quality Assurance Program. This includes developing and verifying implementation of corporate policies, plans, requirements, and procedures affecting quality. ~~This is accomplished through the Quality Assurance Department.~~ The Quality Assurance Department retains responsibility for delegated portions of the Quality Assurance Program by performing initial evaluation and subsequent periodic audits of the contractors' Quality Assurance Programs. The Quality Assurance Program responsibility further extends to the performance of audits within the Company to assure management that the established requirements and procedures are being implemented, and that the Program complies with the baseline document requirements.



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The organizational freedom of the Quality Assurance function is accomplished through the corporate structure, illustrated in Appendix A, which provides independence from those departments responsible for design, procurement, engineering, construction and operation. With quality assurance as its sole function the Quality Assurance Department, both on-site and off-site, is completely free from the cost and scheduling pressures of design, procurement, construction and operation. The Quality Assurance Department has the freedom and authority to: a) identify quality problems; b) initiate, recommend or provide corrective action; c) verify implementation of the corrective action; and d) recommend the stoppage of work or operations adverse to quality, when necessary. The ~~Quality Manager—June Beach~~ QA Supervisor Performance Assessment, QA Supervisor Procurement Quality, the Site Quality Manager - St. Lucie, and the Site Quality Manager - Turkey Point report administratively and functionally to the Director Nuclear Assurance. These reporting relationships assure that the Quality Assurance Department has direct access to the levels of management necessary to assure effective implementation of the Quality Assurance Program.

The duties, responsibilities, and authorities of each Quality Assurance group are described in the sections which follow.

1) ~~Quality Assurance Services~~ Performance Assessment

The ~~Quality Manager—June Beach~~ QA Supervisor Performance Assessment directs and administers the Corporate Quality Assurance Program assuring compliance with the baseline documents listed in Appendix C of this Topical Quality Assurance Report. Quality ~~Assurance Services~~ Performance Assessment activities include the following:



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- o develop and maintain the ~~Quality Assurance Department Quality Instructions and the corporate Quality Assurance Manual,~~ including the administration of the Quality Assurance Program Review Committee (QAPRC);
- ~~o assist other departments in the development of Quality Instructions by review and comment and through interpretation of corporate Quality Assurance requirements;~~
- o develop and implement a Quality Assurance indoctrination program for FPL personnel, ~~and a training program for the Quality Assurance Department;~~
- o prepare reports on Quality Assurance Program activities for review by the CNRB;
- ~~o review Regulatory Guides, Codes, SAR Document Commitments and Standards for impact on the Quality Assurance Program and recommend appropriate program changes;~~
- ~~o review documents submitted to the CNRB as requested by the Nuclear Assurance Department CNRB member;~~
- o plan, coordinate and implement a comprehensive system of periodic internal audits with support from the other Quality Assurance groups, when necessary;
- ~~o review FPL originated design specifications for inclusion of appropriate quality requirements;~~
- o perform periodic activity audits of FPL procurement and associated documents and changes to these documents to assure that the necessary quality requirements are imposed;
- ~~o assist in the development and implementation of policies, plans, requirements and procedures for the requisition and purchase of materials, equipment and services related to nuclear power plants and to the acceptance and storage of equipment and material;~~



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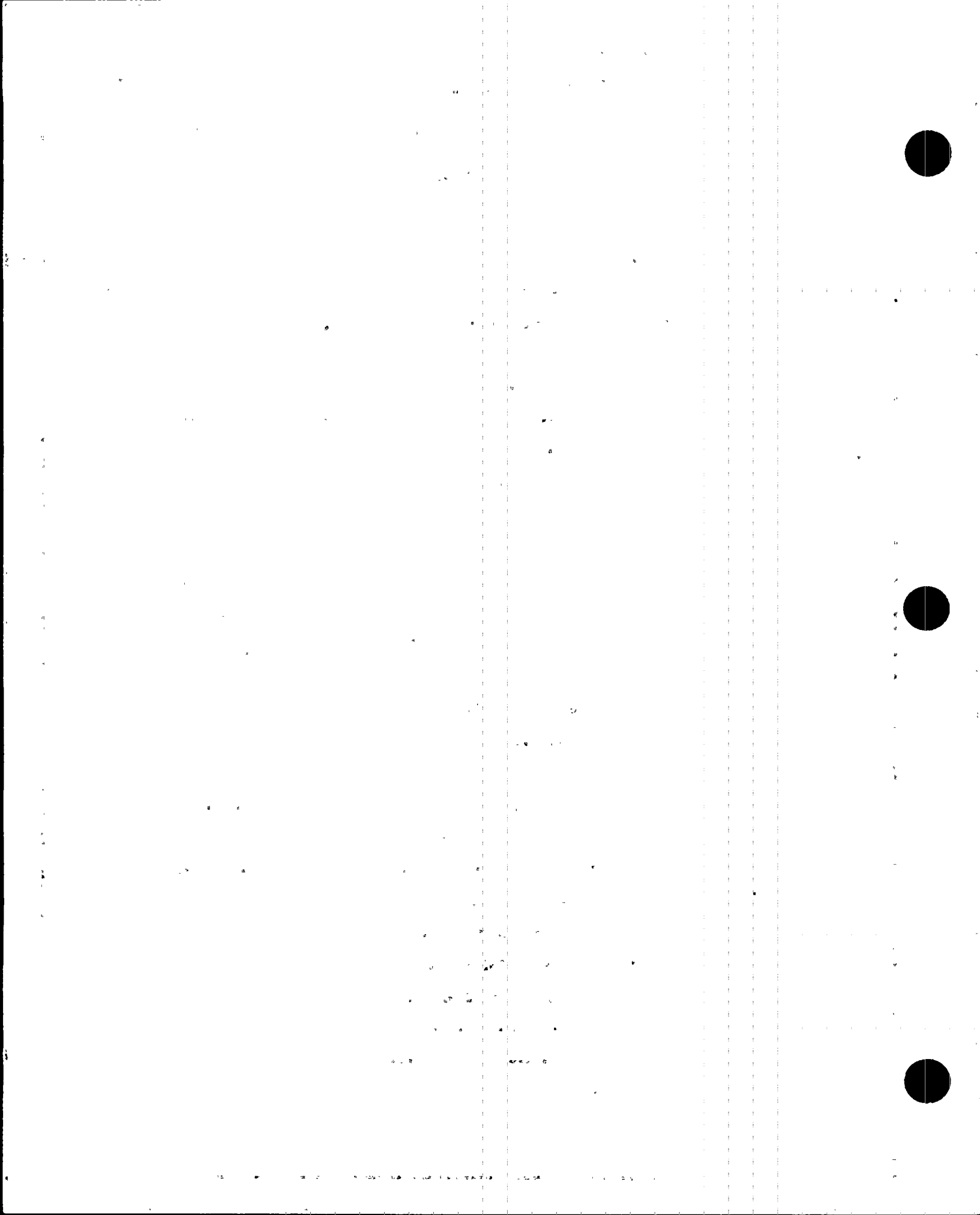
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- o provide NDE Level III services including technical direction and monitoring of NDE activities performed by Quality Control at the plant sites (PTN and PSL).

2) Procurement Quality

The QA Supervisor Procurement Quality directs and administers the Procurement Quality program in support of both nuclear plants. Procurement Quality activities include the following:

- o perform appropriate surveillance of hardware during manufacture;
- o develop and implement a program for auditing of supplier Quality Assurance/Quality Control programs including Architect Engineer/Nuclear Steam Supply System Suppliers;
- ~~o assure design related activities performed by the Architect Engineer meet the quality aspects of the contract;~~
- o assist other FPL departments in the identification of quality problems associated with procurement and storage; initiate, recommend, or provide solution; and verify implementation of solutions;
- ~~o review, approve and periodically audit the execution of FPL contractor quality assurance programs;~~
- ~~o assure that the contractors' organizations performing Quality Assurance functions have sufficient authority and organizational freedom to implement effective Quality Assurance programs;~~
- o ~~evaluate the Quality Assurance capability of suppliers requested by Materials Management and~~ maintain the Quality Assurance Department list of approved suppliers;



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- ~~o provide NDE Level III services including technical direction and monitoring of NDE activities performed by Quality Control at the plant sites (PTN and PSL); preparation, revision and implementation of NDE procedures; training, testing and qualification of NDE personnel, and providing the programs and direction for NDE activities meeting the ASME, AWS and other NDE code requirements;~~
- ~~o maintain a file system for documentation of quality assurance activities performed.~~

For purchased items and services, the responsibility of this group extends through receipt of shipment or performance of contract.

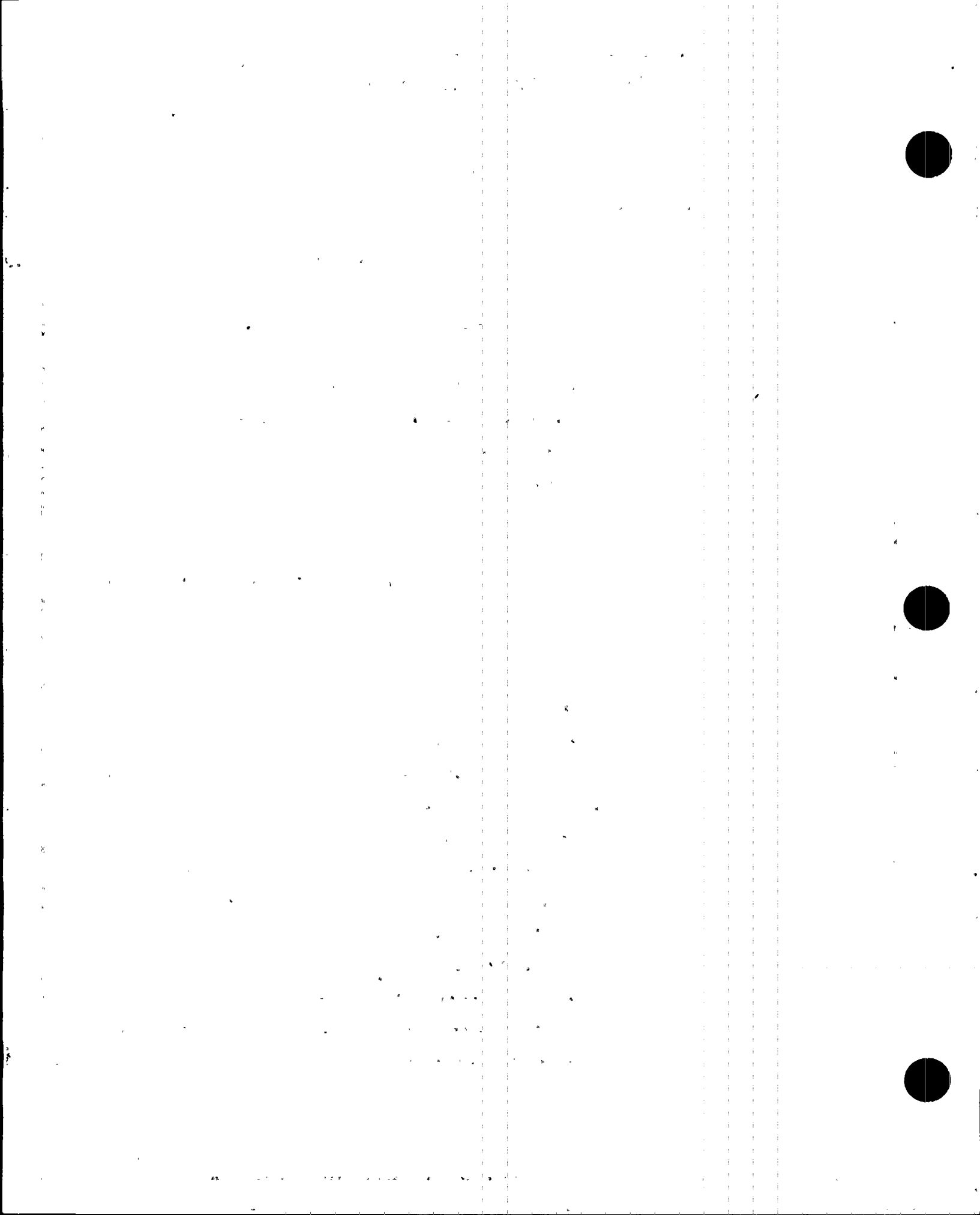
2)

3) Site Quality Assurance

Turkey Point Nuclear (PTN) and St. Lucie (PSL)

Quality Assurance activities at the plant sites (PTN and PSL) are accomplished by the respective site Quality Assurance groups, reporting to the Site Quality Manager. The Site Quality Manager has responsibility for on-site development and implementation of the Quality Assurance Program, including the following:

- ~~o coordinate the development and implementation of quality assurance policies, plans, requirements, and procedures for portions of the quality assurance program related to the operation and modification of nuclear power plants at the plant site;~~



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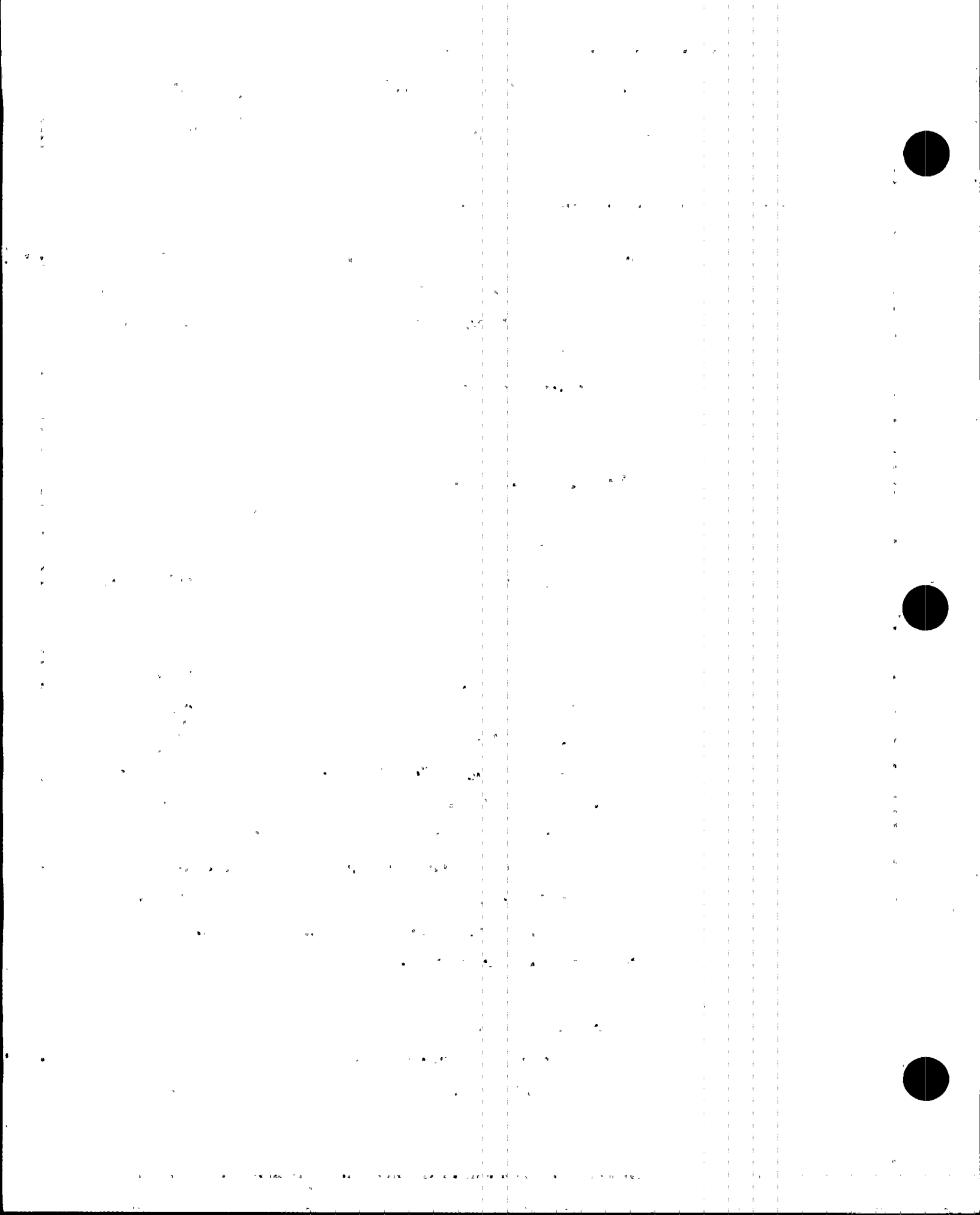
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- o perform audits, assessments and other observations as specified in procedures and instructions to verify compliance with Quality Assurance Program commitments, ~~identify quality problems and ensure timely corrective actions are taken in the areas of plant operation, system turnover, modification and maintenance; including such areas as refueling, inservice inspection and testing, material storage, health physics, chemistry, plant security and fire protection;~~
- o perform periodic activity audits of site generated FPL procurement and associated documents and changes to these documents to assure that the necessary quality requirements are imposed;
- ~~o identify requirements, ensure inclusion of commitments in documents and verify implementation of the Quality Assurance Program during construction activities at the plant site through audits of FPL and contractor organizations;~~
- o recommend stoppage of work or operations adverse to quality at the plant site in accordance with the appropriate instructions;
- o review and comment on Quality Instructions or equivalent quality administrative procedures prior to issue, with respect to the requirements of the FPL Quality Assurance Program, the applicable Final Safety Analysis Report, and the applicable Technical Specifications;
- ~~o assure that the status is tracked for all open items identified by the Site Quality Assurance group, and inform appropriate management when there is an indication that a commitment will not be met on time;~~



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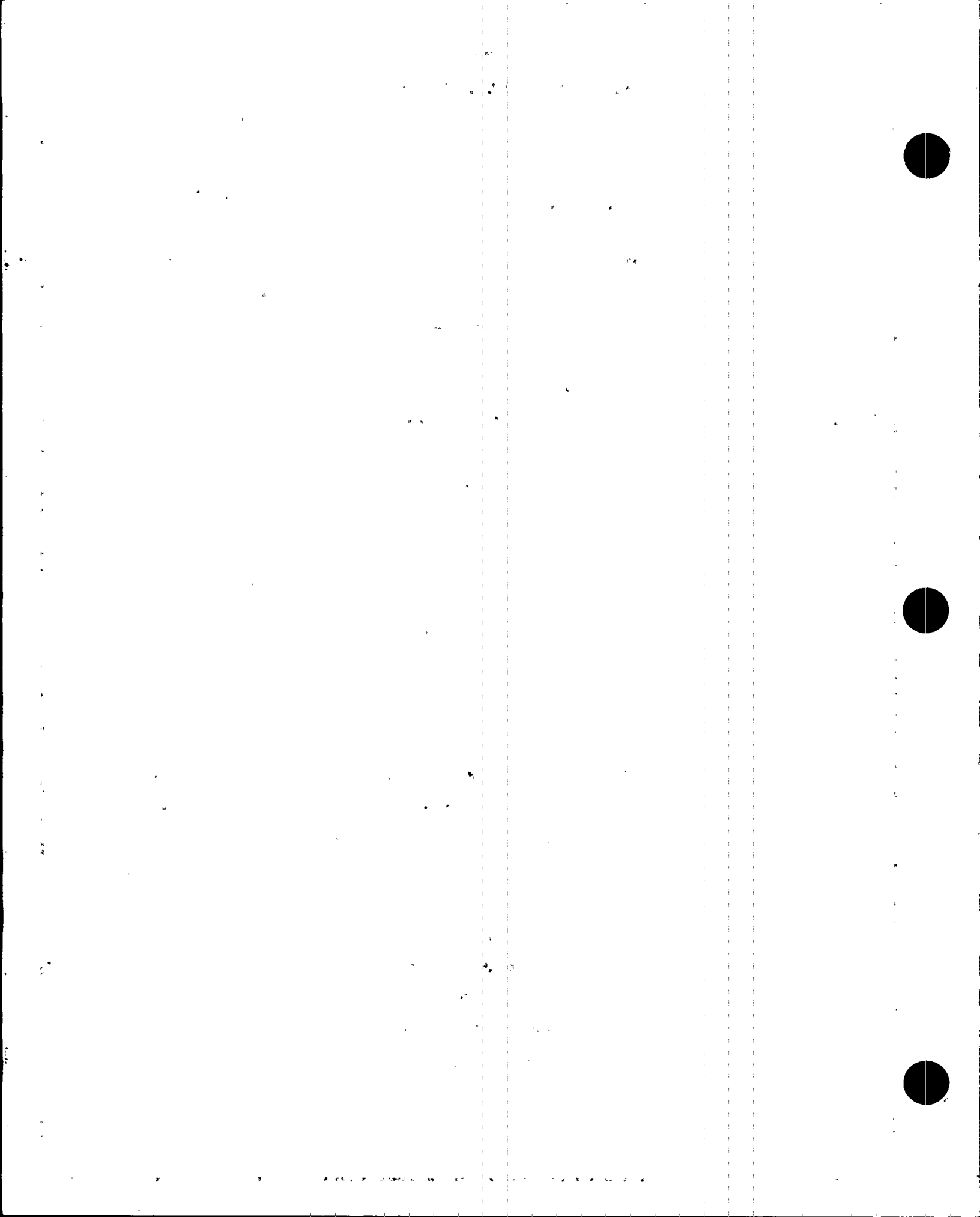
- o perform audits of the architect engineer and Nuclear Steam Supply System suppliers both on-site and off-site, in conjunction with the ~~Quality Assurance Services Procurement Quality~~ group.
- ~~o maintain a file system for documentation of quality assurance activities performed by the Site Quality Assurance group.~~

The interface with the ~~Quality Assurance Services Procurement Quality~~ group ends with the receipt of a shipment of nuclear safety-related equipment at the plant site. The Quality Assurance program for the shipment is then within the purview of the Site Quality Assurance group.

The Quality Manager - Turkey Point and Quality Manager - St. Lucie are additionally responsible for the establishment and implementation of quality control aspects of the Quality Assurance Program at the plant site. Reporting directly to the Site Quality Manager are the Quality Control Supervisors who have the authority and freedom to administer the Quality Control program and, when necessary, to stop activities adverse to quality. The Quality Control Supervisors and personnel performing Quality Control inspection functions are required to be independent of groups or persons performing activities that they may be required to verify or inspect.

Quality Control responsibilities include:

- ~~o preparation and review of plant procedures, design control documents, and instructions for activities affecting quality;~~



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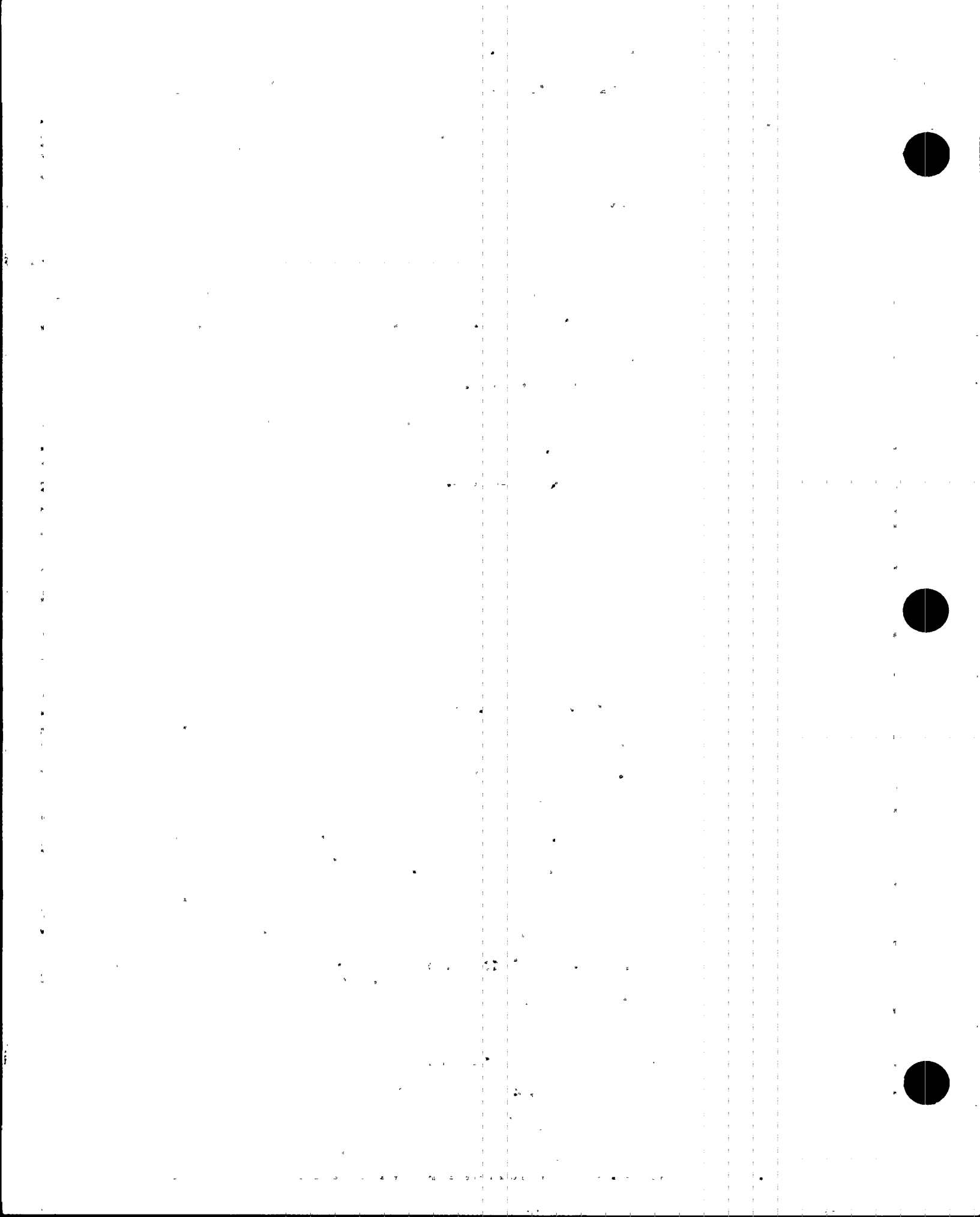
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- o inspection, monitoring, surveillance, and review of plant activities to verify compliance with the provision of the facility operating license and the Quality Assurance Manual;
- ~~o inspections to assure that activities meet the requirements of engineering drawings, specifications, codes and standards;~~
- ~~o receipt inspections of material;~~
- o acceptance of the installed items;
- ~~o verification of conformance of items or activities to quality requirements (e.g., records review, NDE, inspections);~~
- ~~o corrective action for deficiencies identified, where applicable;~~
- ~~o follow up on corrective action taken by other organizations until close out.~~

~~Off-site interfaces for the resolution of quality problems and NRC items are with Nuclear Corporate Staff, FPL support departments as indicated in this Topical Quality Assurance Report, the architect engineer and the Nuclear Steam Supply System (NSSS) Quality Assurance Department. The Site Quality Assurance group interfaces with the Plant Vice President and his staff on-site by assisting in the resolution of quality problems.~~

1.3.1.5 Nuclear Business Services

~~The Manager Nuclear Business Services is responsible for coordinating the budget, rate, and cost control support to the plants and staff organizations; and coordinating Division business planning, target setting and monitoring of key performance indicators, and operations analysis activities.~~



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The Director Business Services is responsible for Nuclear Division business and financial planning and analysis and nuclear plant support in the areas of document control and QA records management, division-based and staff computer systems, security, emergency preparedness, and radiological services. ~~Reporting to the Director Business Services are the Manager of Plant Support, Business Planning and Performance Supervisor, Financial Plan and Analysis Supervisor, Manager PassPort Services, and Manager Division Computer Services.~~

Nuclear Business Services is shown in Appendix A.

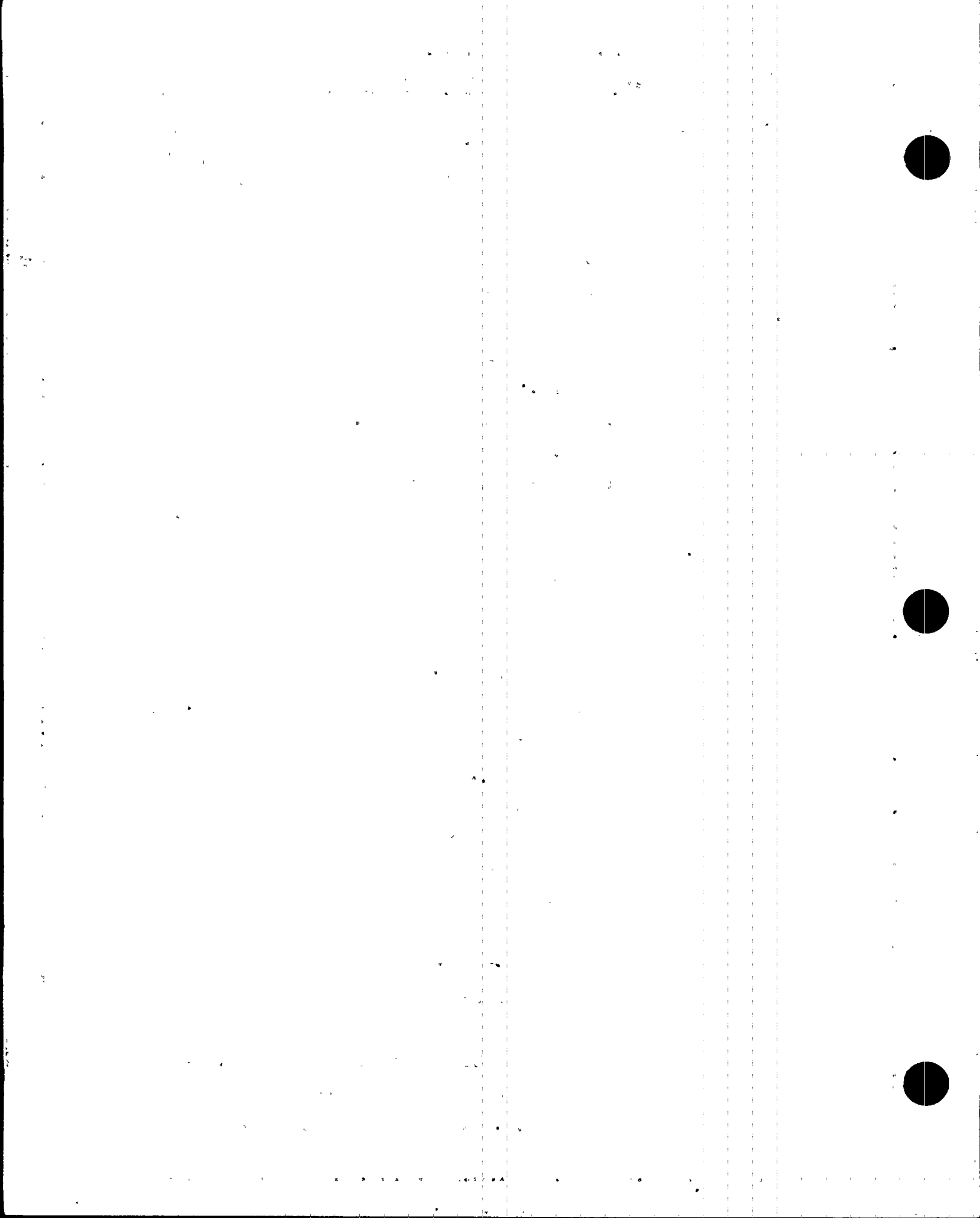
*Accountabilities related to division-based and staff computer systems encompass:

- o directing the identification, design, development, implementation, on-going maintenance, and control of division-based information management systems;
- o identifying applicable division-based software in a Computer Software Index (CSI);
- o Coordinating and directing computer hardware and telecommunication planning and control;
- o ensuring that the ~~division-based and staff Nuclear Division's~~ information management programs ~~is~~ are in full compliance with FPL software QA commitments ~~quality assurance regulation and guidelines.~~

1.3.2 Support Departments

RR911

Providing support activities for the Nuclear Division are ~~Administrative Services~~ Corporate Records, Environmental Affairs, Protection & Control Systems, and Information Management. The reporting relationship of each department is described in the following sections and is shown in Appendix A.



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1.3.2.1 ~~Administrative Services~~ Corporate Records

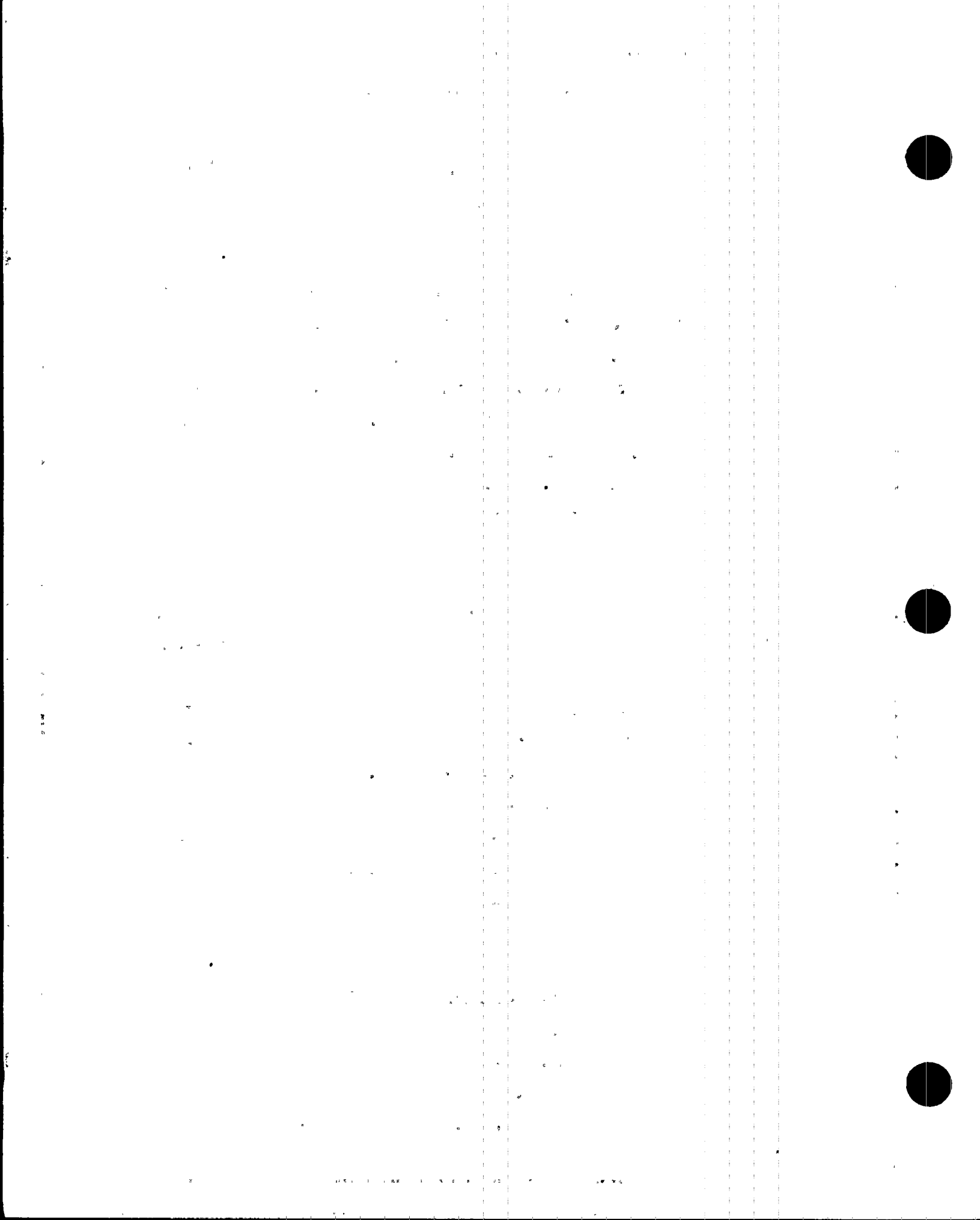
The ~~Manager Administrative Services~~ Supervisor Corporate Records is responsible for:

- o storage, retrieval and control of Quality Assurance records received from other departments;
- o assisting with the development and implementation of records and micrographics programs;
- o maintaining a QARSET approved storage facility;
- ~~o receiving, maintaining, retrieving and storing the Quality Assurance records transmitted from other departments in connection with licenses and contracts;~~
- o serving as the ~~Nuclear~~ Records Official.

RR911

1.3.2.1.a The Records Official, reporting to the General Counsel and Secretary is responsible for:

- o ensuring the Quality Assurance records program activities are managed in accordance with applicable laws and regulations recordkeeping requirements;
- ~~o retaining copies of record retention schedules submitted by originators;~~
- ~~o establishing minimum parameters for records indexing;~~
- o locating acceptable record storage areas when requested;
- o leading the evaluation of specially designated QARSET approved storage facilities, maintaining records of this evaluation, and establishing schedules to assure that re-evaluations are performed every two (2) years.



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Environmental Affairs Services is responsible for obtaining the federal and state environmental permits required for FPL facilities and operations. Environmental Affairs Services is also responsible for providing technical support on environmental regulatory requirements, including regulatory development, enforcement actions, compliance with environmental requirements and environmental assessments and clean-ups at all company facilities, as well as technical support and/or advice on non-radiological environmental monitoring (federal and state) programs at the nuclear power plant sites.

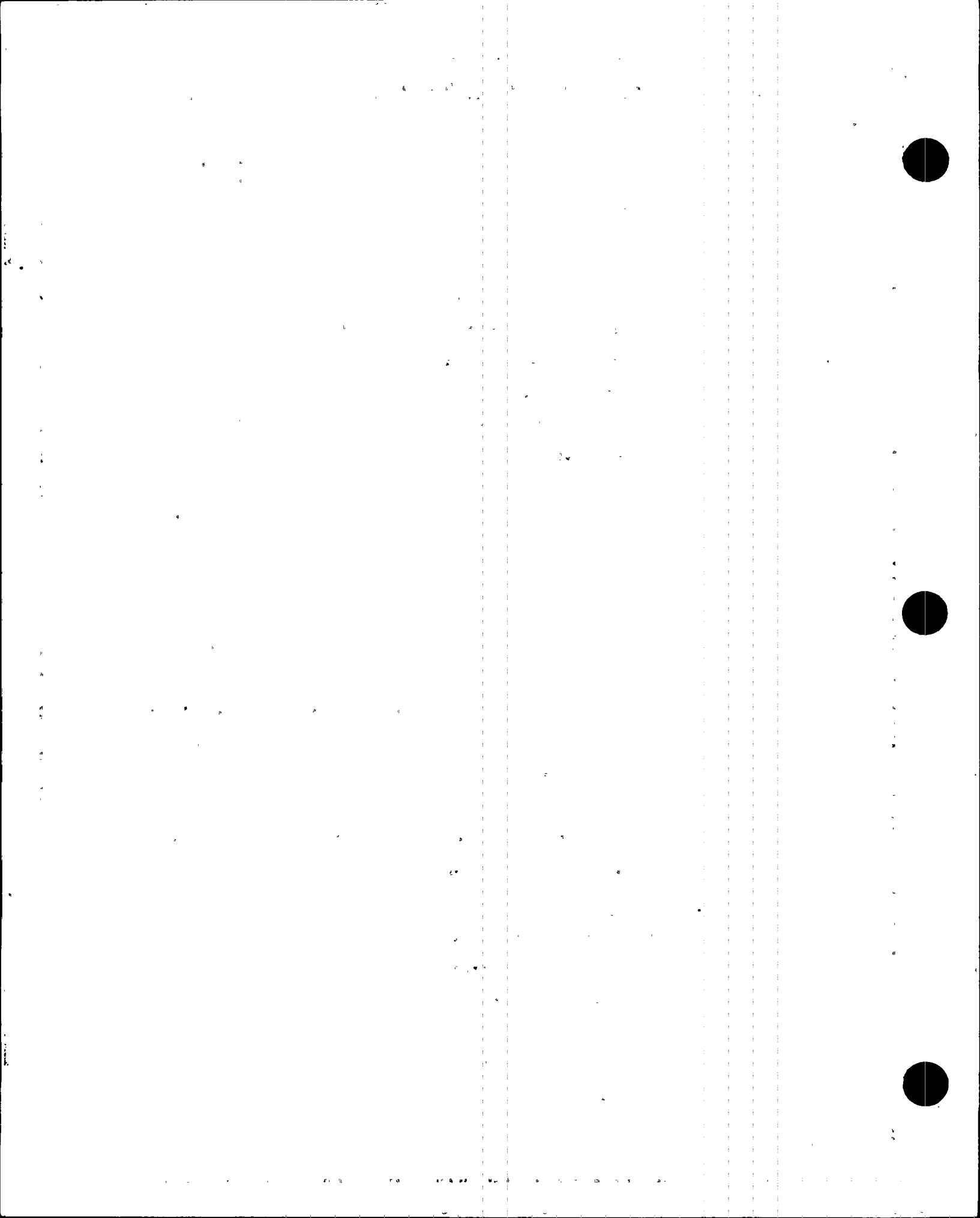
The Site Vice President has overall responsibility for implementation of the Environmental Protection Plans (EPPs) at nuclear power plant sites.

The Environmental Affairs Services Department through its functional areas is responsible for providing technical support and/or advice on non-radiological environmental monitoring programs and oversight of other requirements related to the Environmental Protection Plans. The Department provides review of proposed changes to the Environmental Protection Plans, review of plant changes, tests or experiments and review of other plant activities which may be subject to environmental regulations to ensure their compliance.

The Department provides information as necessary to the CNRB Chairman on environmental matters for which requirements are included in Environmental Protection Plans.

1.3.2.3 Protection & Control Systems

The Director of Protection & Control Systems reports to the Vice President of Power Delivery.





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Protection & Control Systems is responsible for:

- o test, calibration and maintenance of certain high voltage electrical protective relays for safety-related systems of the nuclear plant;
- o final wiring connection checks;
- o preoperational check-out and test of system protection devices;
- o providing inspection of equipment under their cognizance;
- o providing certain setpoint and checkpoint values for protective devices.

1.3.2.4 Information Management

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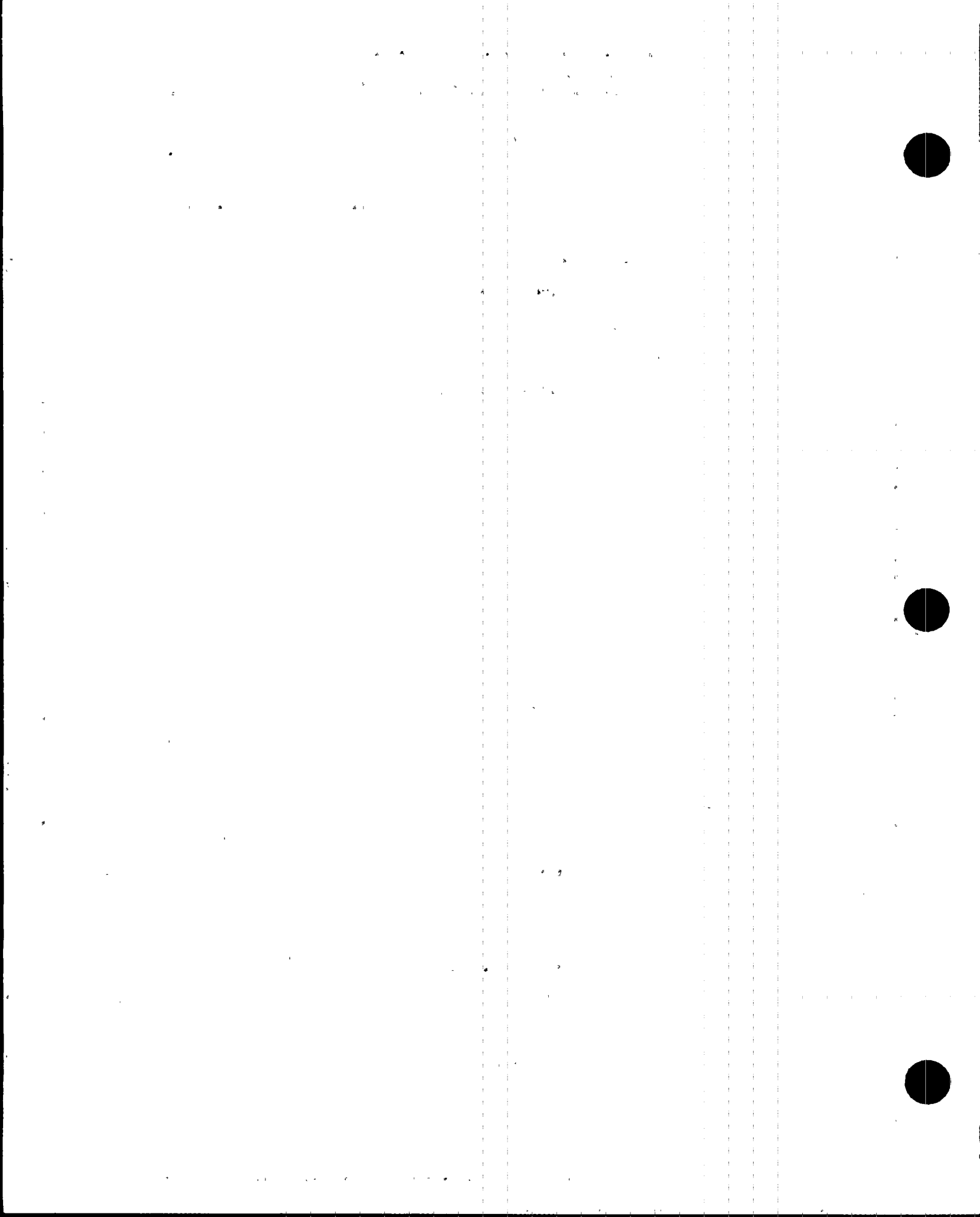
~~Information Management consists of Computer Operations Services, Client Services, and Quality Management reporting to the Vice President of Information Management.~~

~~The Computer Operations Services Department is responsible for the installation and maintenance of the operating system software and the operation of the computer hardware for FPL's corporate computer systems. The application programs used by the nuclear departments executes on these corporate computers.~~

~~Client Services is responsible for software libraries on FPL's in house time-sharing Computer System (CMS) that are under its control.~~

~~Quality Management provides support to the Nuclear Division in their development and maintenance of computer applications in the area of software library controls.~~

The Corporate Information Management organization is shown in Appendix A.



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~~The Director Corporate Vice President Information Management Operations~~ is responsible for ensuring the integrity of the operating environment and the applications used by the Nuclear Division. The Director of IT Operations and the Director of Business Systems report to the Vice President of Information Management.

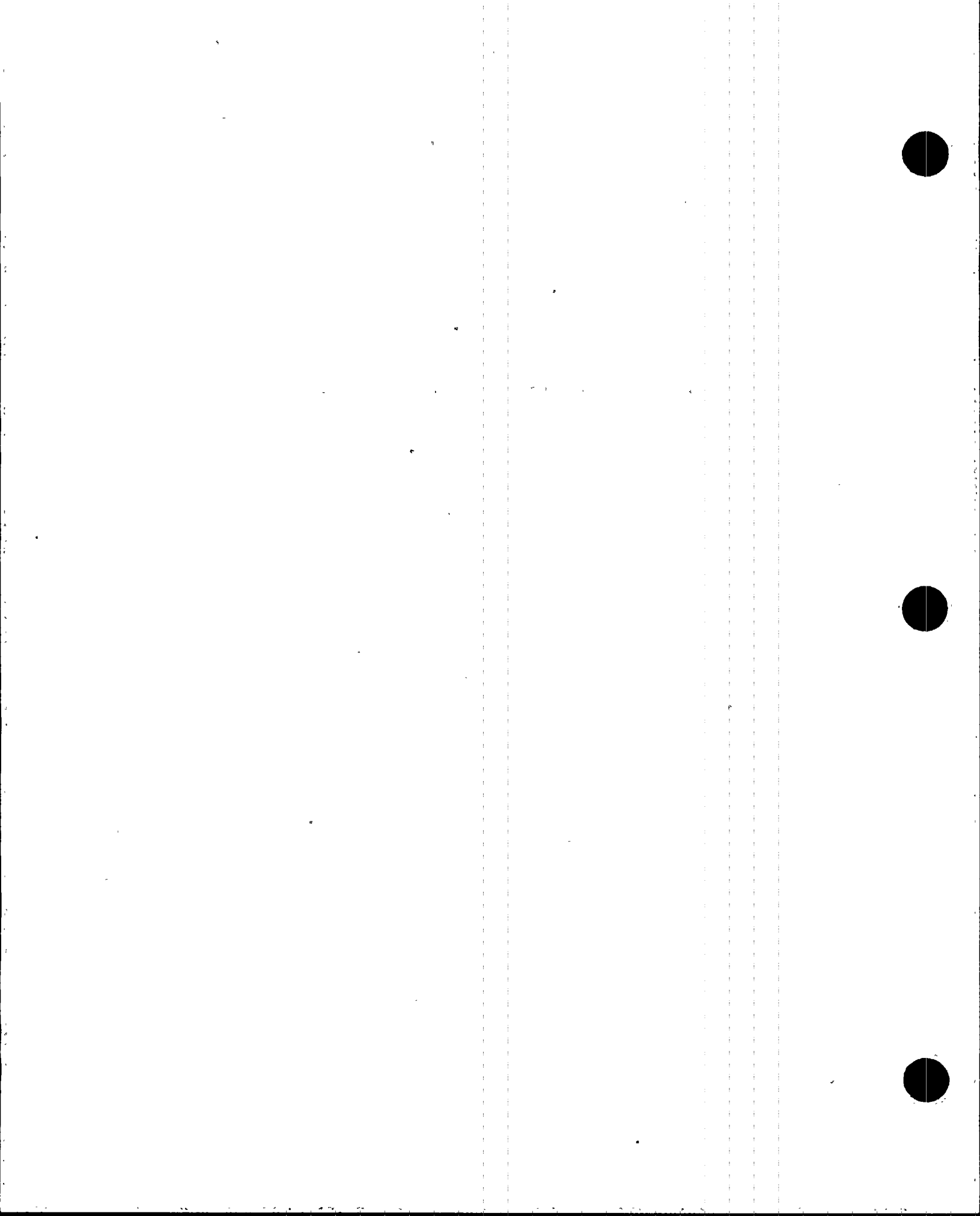
~~This encompasses the following accountabilities:~~

1.3.2.4.a The Director of IT Operations is responsible for:

- o the installation and maintenance of operating system software and the operation of computer hardware for FPL's corporate computer system;
- ~~o provide support to the Nuclear Division in their development and maintenance of their computer application in the area of software library controls;~~
- o executing software production release and change control activities.

1.3.2.4.b The Director of Business Systems is responsible for administering physical databases and providing on-going technical support.

- ~~o administering physical databases and providing on-going technical support;~~
- ~~o coordinating and directing the computer hardware and telecommunication planning and control within the Nuclear Division.~~



ENCLOSURE II

