

NIAGARA MOHAWK POWER CORPORATION


PSAR
QUALITY ASSURANCE PROGRAM

FOR

NINE MILE POINT
UNIT 2

JULY 21, 1986

APPROVED:


VICE PRESIDENT OF QUALITY ASSURANCE

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APPENDIX D

QUALITY ASSURANCE PROGRAM

D.1 INTRODUCTION AND SUMMARY

D.1.1 General

The ultimate responsibility for the implementation and execution of a Quality Assurance Program applicable to the design, fabrication, construction and construction testing of the structures, systems and components of Nine Mile Point Unit 2 (NMP-2) rests with Niagara Mohawk Power Corporation (NMPC).

Execution of appropriate portions of Project Quality Assurance will be assigned to Stone & Webster Engineering Corporation (SWEC) (Section D.3) and the General Electric Nuclear Energy Business Group (GE-NEBG) (Section D.4) as designer and supplier of the Nuclear Steam Supply System (NSSS) and the initial load of nuclear fuel.

Independent programs in Quality Assurance, including quality control, have been developed by SWEC and GE-NEBG; these will be audited by NMPC.

D.1.2 Program Purposes and Objectives

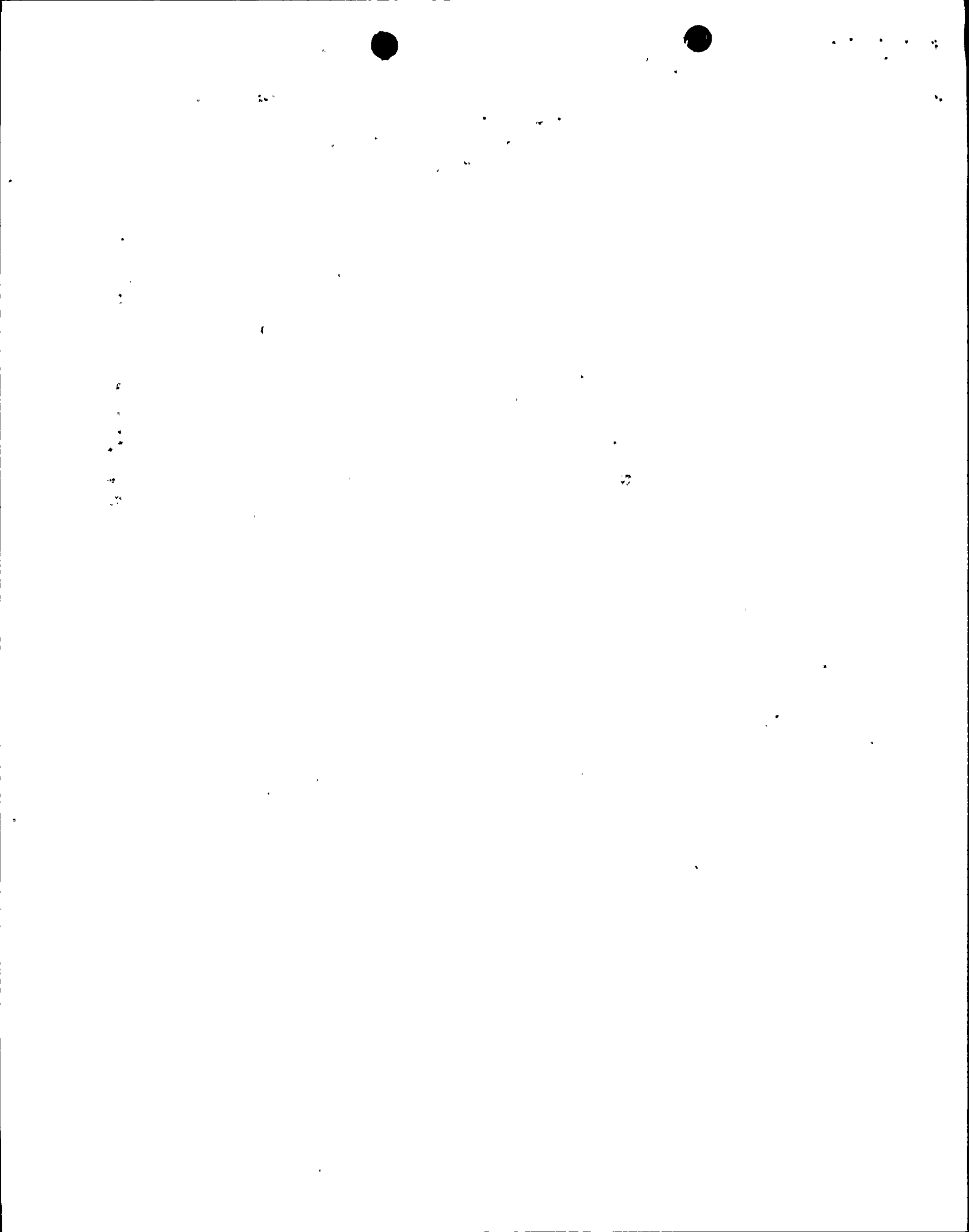
The Nine Mile Point Unit 2 Quality Assurance Program conforms to the provisions of the Code of Federal Regulations, Part 10CFR50, Appendix B, which covers Quality Assurance criteria for nuclear facilities.

The purpose of the Quality Assurance Program herein described is to provide control of the quality-related activities associated with the design, fabrication, construction and construction testing of QA Category 1 structures, systems and components of the nuclear power plant listed in Tables C.10a and C.10b of Appendix C to the PSAR. The program encompasses the activities of designing, purchasing, fabricating, handling, shipping, storing, cleaning, erecting, installing, inspecting, and construction testing for the safety-related functions of those structures, systems, and components.

The information required for the Quality Assurance Program to address initial test program of the facility is described in the Final Safety Analysis Report (FSAR).

D.1.3 Program Control and Implementation

NMPC has the ultimate responsibility for control of the QA Program and implementation is accomplished through auditing. Specific responsibilities for quality control activities have been delegated to SWEC for architect-constructor-engineer



D.1.3 Program Control and Implementation (Continued)

functions and to GE-NEBG for the NSSS and initial fuel load. The NMPC QA Manual-Design and Construction Phase describes and NMPC controlling policies and procedures. Figure D.1-1 shows the NMPC organizational interface. Figure D.1-2 shows the NMPC-GE-SWEC organizational interface.

The details for carrying out SWEC's and GE-NEBG's delegated responsibilities are described in their Quality Assurance Manuals, Procedures and Instructions. These documents assure compliance with the applicable portions of the Code of Federal Regulations, Part 10CFR50 Appendix B.

Direct control of SWEC and GE-NEBG Quality Assurance functions is performed by audits conducted by the NMPC QA personnel. The audits provide NMPC with the visibility to determine performance of SWEC and GE-NEBG and to judge compliance with the applicable portions of the Appendix B criteria and for conformity with manuals, procedures and instructions established for the project.

NMPC conducts Quality Assurance reviews of safety-related specifications and purchase orders and selected safety-related drawings and sketches.



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D.2 QUALITY ASSURANCE PROGRAM

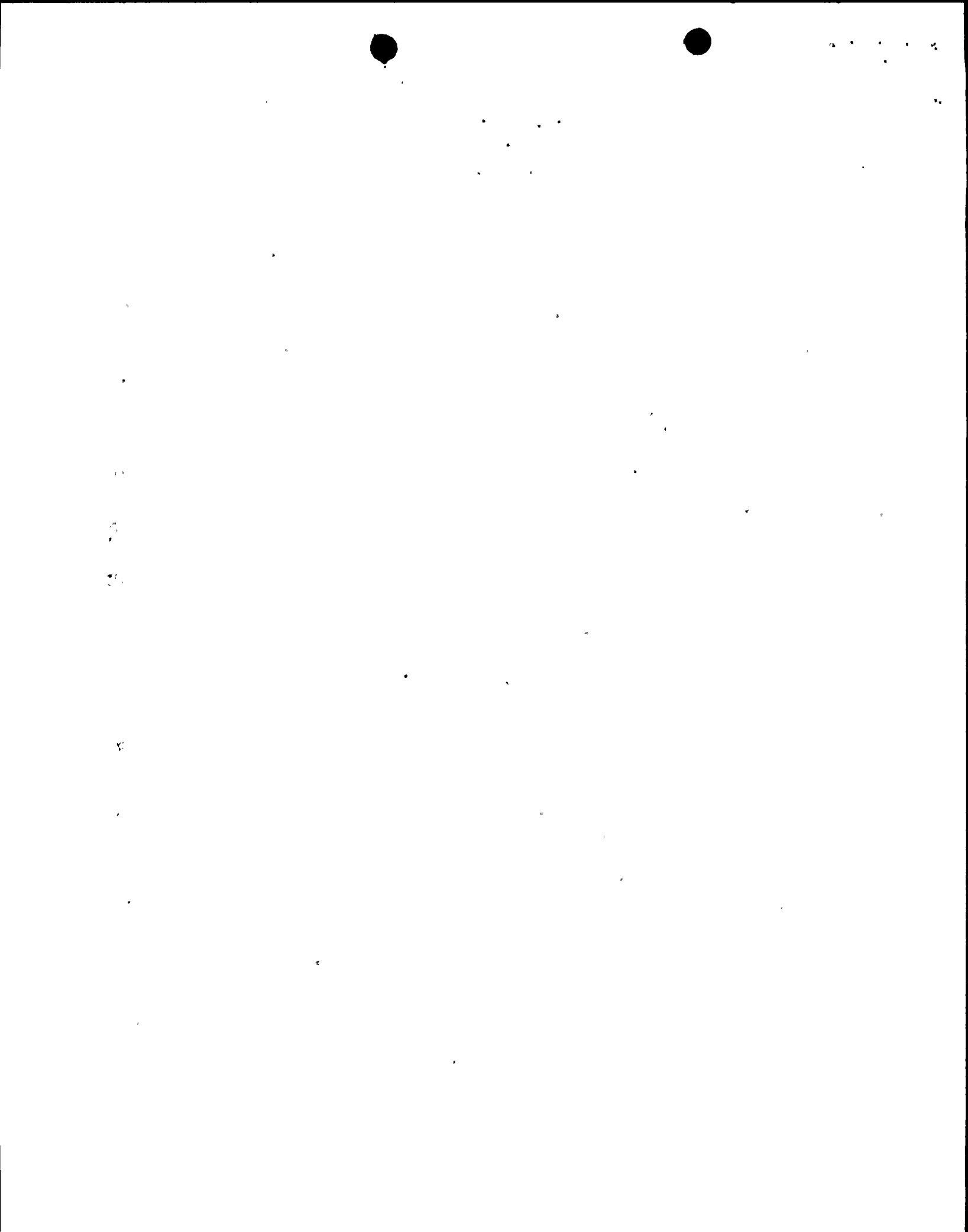
D.2.1 Organization

The QA Department is a Corporate Department under the direction of the Vice President - Quality Assurance who reports on quality matters to the President. Further definition of the administrative and functional organizations is included in the procedures developed to implement specific parts of this program. The QA Department regularly reviews the status and adequacy of the QA Program, including Quality Assurance audits of all contractors and a self-appraisal.

VICE PRESIDENT - QUALITY ASSURANCE

The Vice President - Quality Assurance reports to the President and is responsible for formulating, directing, implementing and controlling policies and procedures related to verifying the overall quality of station design, construction, operation, maintenance and modification activities. The Vice President's position may delegate to personnel under its jurisdiction appropriate portions of responsibilities, together with proportionate authority for fulfillment. Responsibilities include:

1. Reviewing documents and directing the management of investigations, surveys, audits and reports concerning activities related to the quality of design, procurement, fabrication, materials management, installation, inspection, test, operation, modification, repair, and maintenance of safety-related systems, structures, components and services;
2. Recommending to appropriate management courses of corrective action, when required, including initiation of stop work orders. This "stop work" authority is delineated in writing;
3. Verifying the operations of suppliers, contractors and corporate departments performing safety-related work to ensure compliance with applicable regulations, procedures, specifications, codes or other standards;
4. Directing the supervision of administrative functions within the department, including training, document control and procedures manual development; and
5. Preparing periodic and special reports to keep management informed of the Quality Assurance Program status.
6. Providing for timely identification and corrective action of conditions adverse to quality.



D.2.1 Organization (Continued)

7. Resolving with other levels of management any escalated disputes involving quality, arising from a difference of opinion between QA personnel and other department personnel.

MANAGER - NUCLEAR QUALITY ASSURANCE OPERATIONS

The Manager - Nuclear Quality Assurance Operations reports to the Vice President - Quality Assurance and exercises control and direction of the Nuclear Quality Assurance Program. Responsibilities include:

1. Interpretation and implementation of the Nuclear Quality Assurance policy and procedures;
2. Advising the Vice President - Quality Assurance of Nuclear Quality activities;
3. Reviewing Quality Assurance Department procedures;
4. Reviewing and concurring with various documents and other department procedures, where applicable, which implement this Quality Assurance Program;
5. Recommending to appropriate management courses of corrective action, when required, including initiation of stop work orders. This "stop work" authority is delineated in writing;
6. Directing the QA Program Manager in the following activities:
 - a. Developing QA project budgets/decisions on QA involvement on specific projects (plant outages-modifications);
 - b. Utilizing matrix management concept to secure:
 - Engineering QA Functions
 - Procurement QA Functions
 - Installation QA Functions;
 - c. Establishing QA project schedules and interfaces;
 - d. Monitoring assigned projects and issuing status reports;
 - e. Coordinating project QA problem resolution;
 - f. QA closeout of projects;
7. Directing the Quality Engineering Supervisor in the following activities:
 - a. Site Operations Review Committee QA Representative
 - b. Corrective Action Trending
 - c. CAR Coordination



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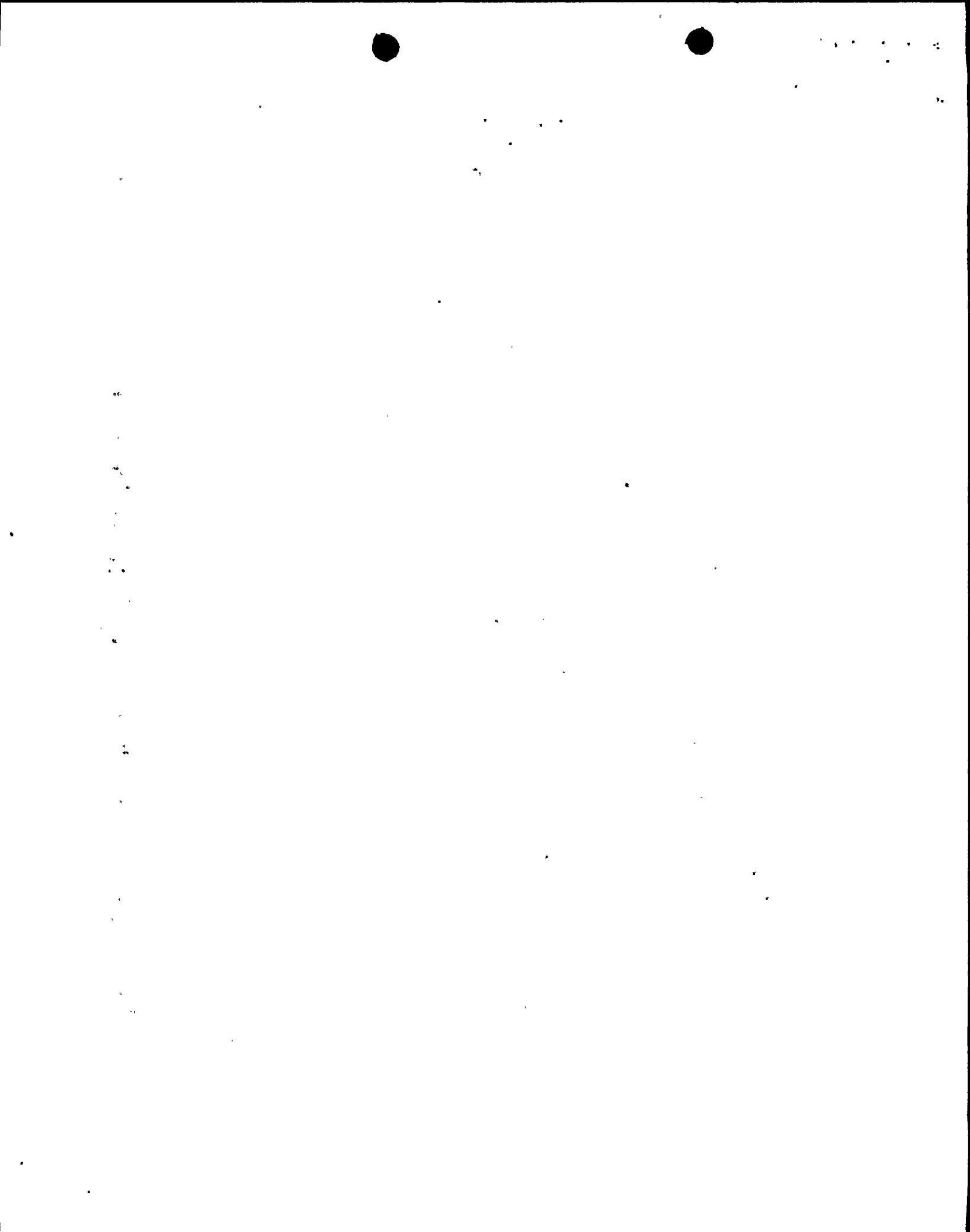
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D.2.1 Organization (Continued)

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 - d. NRC Correspondence and Comment Coordination
 - e. Internal/External Reporting
 - f. Training Coordination
 - g. Site Quality Engineering in Mechanical, Electrical and I&C disciplines to perform:
 - Procedure Reviews
 - Procurement Document Reviews
 - On-Site Contractor Monitoring
 - Assisting Source Inspection
 - Modification Support
 - Material Review Board Member (NCRs)
 - Modification Package Record Review;
8. Directing the Operations Surveillance Supervisor in the following QA Surveillance areas:
 - a. Site Operations Review Committee QA Representative
 - b. Technical Specification - Operations
 - c. Refueling
 - d. Chemistry
 - e. Radiation Control
 - f. Training
 - g. Security
 - h. Emergency Preparedness
 - i. Fire Protection
 - j. Environmental Control;
9. Directing the Quality Control Supervisor in the following areas:
 - a. Inspection-Mechanical, Electrical, I&C Discipline
 - b. Maintenance Support
 - c. Receipt Inspection
 - d. Management of QC Associated with Selected Outage Work
 - e. Work Request Processing
 - f. Assisting in Source Inspection
 - g. Training/Certifying QC Inspectors
 - h. NDE Procedure Development and Qualification
 - i. Section XI - In-Service Inspection
 - j. Maintenance Procedure Review
 - k. Inspection Procedures and Checklist Development; and
10. Assuring that representatives of the Quality Assurance organization on-site routinely attend and participate in work schedule and status meetings to keep abreast of day-to-day work assignments throughout the plant and to adequately cover and carry out QA assignments.



D.2.1 Organization (Continued)

MANAGER - CORPORATE QUALITY ASSURANCE

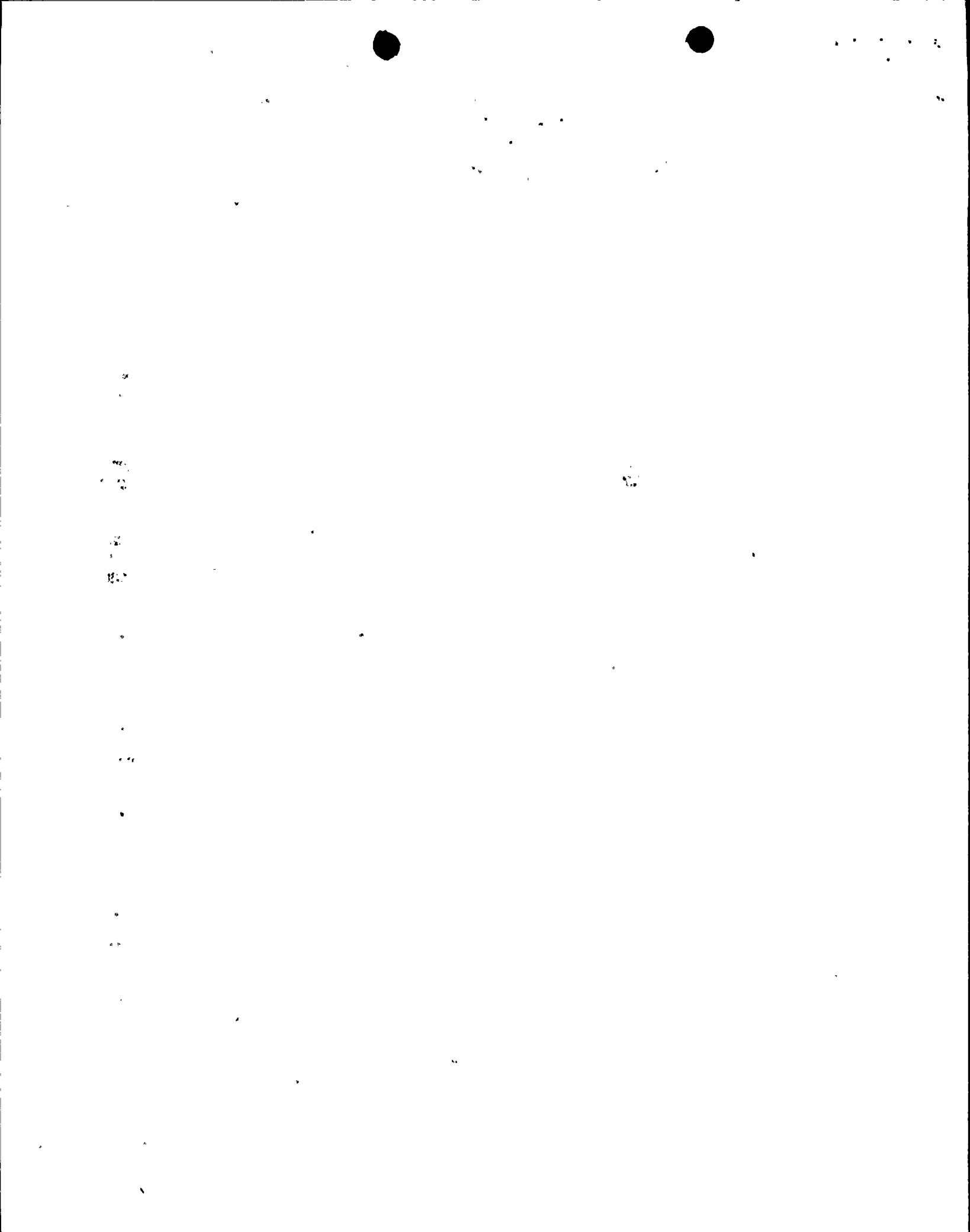
The Manager - Corporate Quality Assurance reports to the Vice President - Quality Assurance and provides a support function for the Quality Assurance Department. Responsibilities include:

1. Preparing, controlling and implementing Quality Assurance Department documents and Quality Assurance Department policies and procedures;
2. Advising the Vice President - Quality Assurance and the Manager - Nuclear Quality Assurance Operations of nuclear quality activities;
3. Initiating or delegating action in assigned areas of responsibility including training, supplier evaluation, audit, and trend analysis; and
4. Recommending to appropriate management courses of corrective action, when required, including initiation of stop work orders. "This "stop-work" authority is delineated in writing.

MANAGER - QUALITY & RELIABILITY ENGINEERING

The Manager - Quality & Reliability Engineering reports to the Vice President - Quality Assurance and provides technical support to the Nuclear QA Operations Section. Responsibilities include:

1. Reviewing plant modification design documents for inspectability; developing quality planning to support installation of plant changes and coordinating the technical aspects of QA Modification package implementation during plant shutdowns.
2. Providing for control of purchased equipment through the contractor qualification program, source surveillance and the preparation of receiving inspection planning (for implementation by Nuclear QA Operations personnel).
3. Providing Materials Engineering support in the areas of material selection, welding, corrosion prevention, non-destructive examination, and fuels quality assurance.
4. Advising the Vice President - Quality Assurance and the Manager - Nuclear QA Operations of nuclear quality activities.



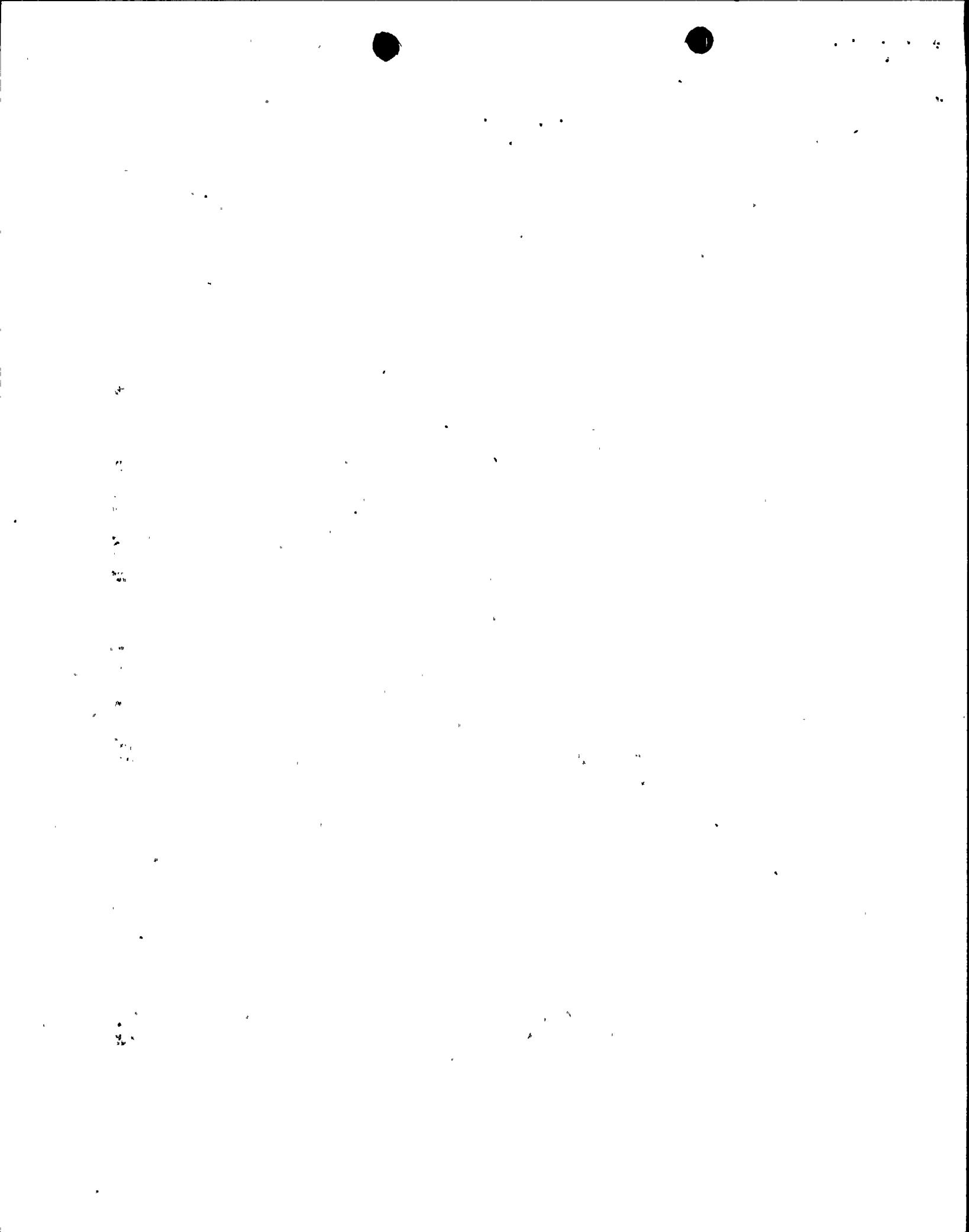
D.2.1 Organization (Continued)

5. Providing Reliability Engineering support for the equipment qualification program; establishment of system and equipment availability goals; follow-up with suppliers on achievements of equipment reliability requirements; and performance of studies on extending equipment life.
6. Reviewing and concurring with various documents and other department procedures, where applicable, which implement this Quality Assurance Program, and
7. Recommending to appropriate management courses of corrective action, when required, including initiation of stop work orders. This "stop work" authority is delineated in writing.

QUALITY ASSURANCE SUPERVISORS

Quality Assurance Supervisors supervise the Quality Assurance Department staff. Supervisory and staff responsibilities include:

1. Supervising, directing, and coordinating the Quality Assurance Department staff within the framework of established policies and Quality Assurance Department procedures;
2. Reporting status of quality activities to the responsible manager;
3. Conducting inspections, audits and surveillances to verify Quality Assurance Program implementation within NMPC and outside suppliers and contractors;
4. Preparing and implementing Quality Assurance Department procedures and instructions;
5. Recommending "stop work" action when appropriate. This authority is delineated in writing;
6. Reviewing quality-related documents including procedures, purchase requisitions and suppliers' Quality Assurance Programs;
7. Documenting and verifying correction of conditions adverse to quality;
8. Reviewing, preparing, and filing Quality Assurance Department records;
9. Conducting training programs; and



D.2.1 Organization (Continued)

10. Maintaining the Nondestructive Examination Procedures Manual.

The education and experience requirements of Quality Assurance supervisory personnel are contained in Table D.2-1.

QA related activities are performed by other individuals and groups in accordance with the requirements of the NMPC QA Program Manuals and Appendix B to 10CFR50. The NMPC organizations that perform these activities for Unit 2 include:

- Nuclear Engineering and Licensing
- Nuclear Construction
- Purchasing
- Site Superintendent Maintenance Nuclear and Staff
- Technical Superintendent Nuclear and Staff
- Superintendent Chemistry and Radiation Management
- Superintendent Training Nuclear
- Station Superintendent Unit 2 and Staff

NUCLEAR ENGINEERING AND LICENSING

The Senior Vice President has overall responsibility for licensing the NMPC nuclear projects and providing certain engineering support for the nuclear projects.

NUCLEAR CONSTRUCTION

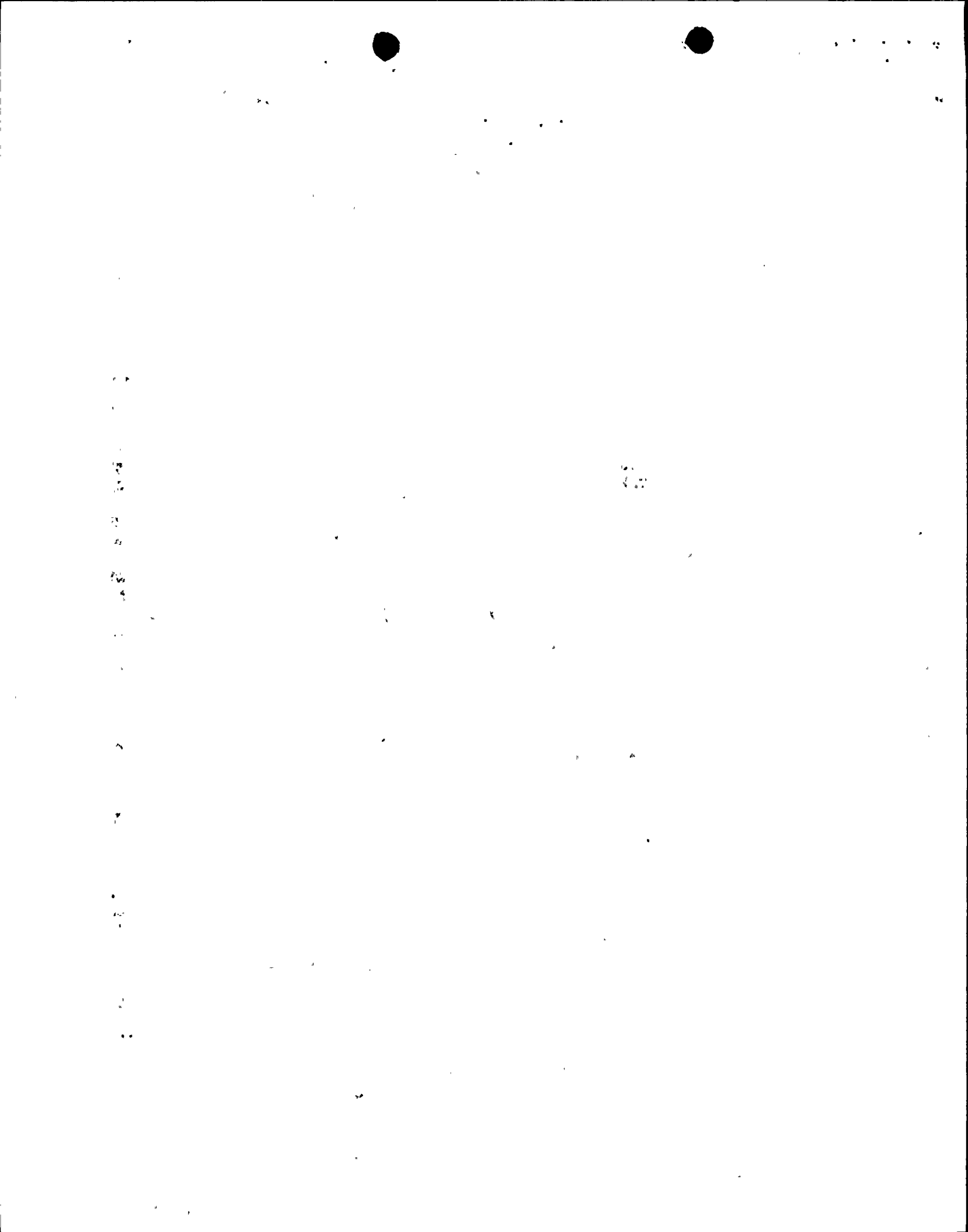
The Manager - Site Services has the overall responsibility for Project Management of Unit 2. The Project Management efforts include management of construction, construction testing, design and support for turnover of plant equipment and systems to Nuclear Generation for preoperational and start-up testing (fuel load). These activities are governed by the Project Manual and Procedures for Unit 2. The Manager - Site Services has stop work authority.

PURCHASING

The Vice President - Purchasing reports directly to a Senior Vice President and is responsible for formulating, establishing and enforcing compliance with procurement requirements. The Vice President - Purchasing and his staff are responsible for ensuring that all applicable procurement documents and changes are reviewed and accepted by the QA Department.

NUCLEAR GENERATION

The Vice President - Nuclear Generation has overall responsibility for the safe and reliable operation of Units 1 and 2. The organization responsible for these activities is under



NUCLEAR GENERATION (Continued)

the direct responsibility of the General Superintendent - Nuclear Generation. The General Superintendent is responsible for implementing NMPC QA Policies in accordance with the QA Program as described in Chapter 17 of the FSAR.

D.2.2 Program

Total responsibility for the QA Program is retained by NMPC. The QA Department is responsible to the President for establishment and administration of the QA Program. This Program includes control measures, such as audit, surveillance, and review and/or approval, to assure QA compliance for the design, procurement, fabrication, storage, construction, test, operation, and maintenance of the facility or any modifications.

The Quality Assurance Program for Nine Mile Point Unit 2 is implemented and executed by NMPC. The Program provides direction for the Quality Assurance efforts for all contractors, sub-contractors and engineering consultants performing work or providing services for components, systems or structures for Unit 2.

The Quality Assurance Program conforms to the provisions of the Code of Federal Regulations, Part 10CFR50, Appendix B.

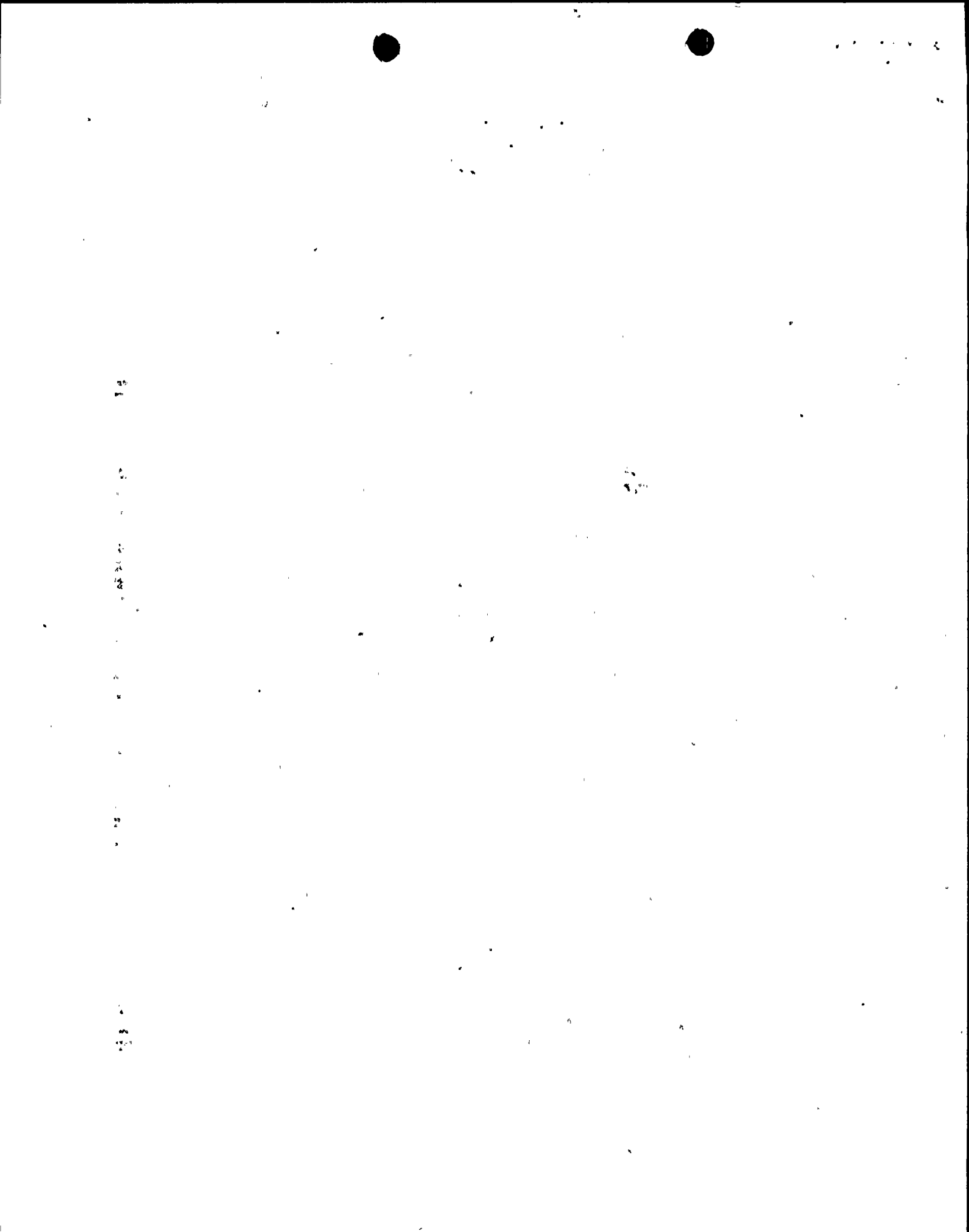
NMPC requires SWEC, GE-NEBG and outside consultants (whenever applicable) to maintain and implement separate, but subsidiary, Quality Assurance Programs responsive to and designed to satisfy the Quality Assurance Criteria of Appendix B.

The structures, systems and components subject to this Program are identified in Tables C.10a and C.10b, Appendix C of the PSAR as Category I items.

The overall Quality Assurance Program for Unit 2 provides control over activities affecting the quality of the identified structures, systems and components to an extent consistent with their importance to safety, and the program is carried out in accordance with documented policies, procedures or instructions.

The QA Program as described herein is in effect for work now in progress involving safety-related equipment. Design review meetings are, or have been, held with representatives involved in producing the unit design. These meetings ensure that applicable regulatory requirements, codes, standards, and design bases are correctly translated into specifications, drawings, procedures and instructions. Included also in deliberations during the design review meetings are resolutions regarding QA/QC adequacy, design interfaces and regulatory guides.

The QA activities which have been initiated include assessments of the adequacy of the programs of the NSSS supplier, the architect-engineer and the reactor pressure-vessel supplier. Quality Assurance audits are conducted on the NSSS vendor and on



D.2.2 Program (Continued)

the architect-engineer, with particular emphasis on the design activities. These activities include such items as design control, procurement document control, the preparation of instructions, procedures and drawings, document control, control of purchased material, equipment and services, QA records, audits, etc.

The Quality Assurance Program for fire protection is delineated in the Fire Protection Quality Assurance Program for Nine Mile Point Manual.

Responsibility and authority for planning and implementing indoctrination and training programs which affect quality are delegated to each department. Personnel responsible for performing and verifying activities that affect quality are familiar with the activities and the requirements identified in applicable quality-related manuals, instructions and procedures.

Stone & Webster Engineering Corporation (SWEC) is the architect-engineer and is assigned the responsibility of acting as agents for NMPC in carrying out the day-to-day Quality Assurance activities as prescribed by NMPC, for other than the nuclear team supply system equipment and services furnished by GE-NEBG. The Quality Assurance Program established by SWEC for application to NMP-2 is described in summary in the Stone & Webster's Project Quality Assurance Program Manual. In addition, SWEC performs appropriate audits of the design, fabrication and testing of the Nuclear Steam Supply System (NSSS) and components.

General Electric Company, Nuclear Energy Business Group (GE-NEBG), as suppliers of the Nuclear Steam Supply System (NSSS) and the initial load of nuclear fuel, is assigned the responsibility for planning and executing the day-to-day Quality Assurance activities relative to its scope of supply.

The Quality Assurance Program established by GE-NEBG for its scope of supply for NMP-2 is described in the "Nuclear Energy Business Operations Boiling Water Reactor Quality Assurance Program Description," NEDO-11209-04A.

D.2.3 Design Control

The NMPC Quality Assurance Program provides assurance that applicable regulatory requirements and design bases for those safety-related structures, systems and components are correctly translated into specifications, drawings, procedures and instructions. Measures exist for the selection and review for suitability of application of materials, parts, equipment, and processes that are essential to the safety-related function of the structures, systems and components.



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D.2.3 Design Control (Continued)

In the process of auditing, NMPC Quality Assurance personnel will review design drawings and field changes. Procedures regarding, and departments participating in, design review are audited by NMPC Quality Assurance personnel on a planned and scheduled basis. NMPC Quality Assurance policies also require that changes made to design drawings and specifications must be reviewed in the same manner as the original drawings and specifications.

The essential elements required to implement design control are specified in the Niagara Mohawk Power Corporation Quality Assurance Manual - Design and Construction Phase. Written procedures are established for the identification and control of design interface and for coordination between SWEC and GE-NEBG design organizations.

D.2.4 Procurement Document Control

The assurance that applicable regulatory requirements, design bases, and other requirements are suitably included or referenced in the documents for procurement of material, equipment, and services is obtained through review by the Project Director or his staff. Review of plans, specifications and purchase orders is described in the NMPC Quality Assurance Manual - Design and Construction Phase.

The primary effort is directed toward assuring that the review of drawings and specifications is thoroughly executed before the placement of an order. In this manner, a solid base is established for procurement. NMPC engineers review and evaluate all bids received by SWEC and determine the successful bidder.

The above procedures are in addition to a similar review carried out by SWEC prior to submittal to NMPC for approval.

D.2.5 Instructions, Procedures, and Drawings

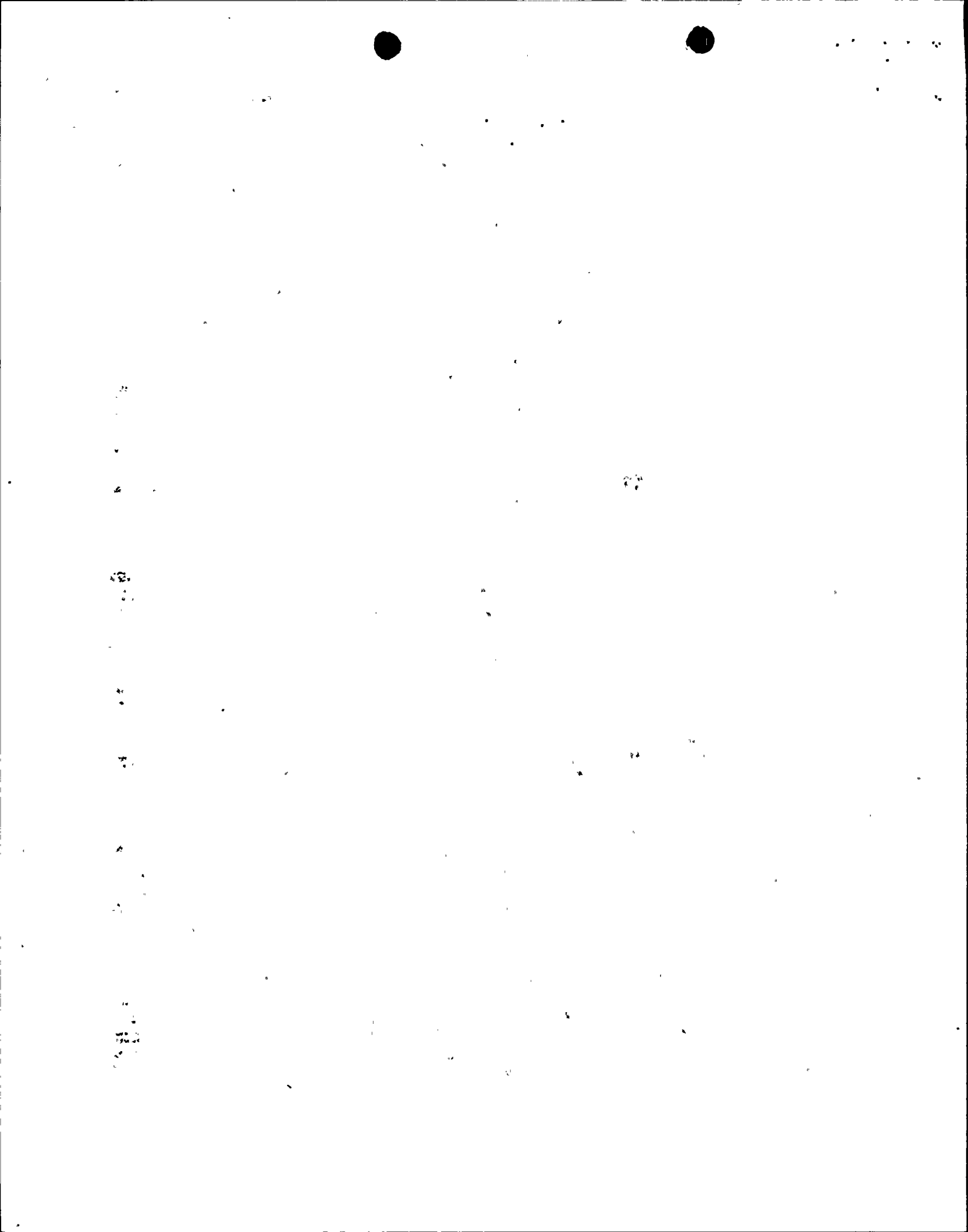
Activities affecting quality are prescribed by documented instructions, procedures and drawings of a type appropriate to the circumstances and are accomplished in accordance with these instructions, procedures and drawings.

D.2.6 Document Control

Niagara Mohawk Power Corporation has and requires SWEC and GE-NEBG to have written document control procedures in accordance with Appendix B criteria as part of their respective Quality Assurance Programs.

D.2.7 Control of Purchased Material, Equipment and Services

The primary method of control of purchased items is through the use of an approved list of vendors. This list is revised, based on vendors' performance and on new applicants.



D.2.7 Control of Purchased Material, Equipment and Services
(Continued)

In order for a vendor to qualify for the approved list of vendors, a Quality Assurance Program evaluation is performed. When applicable, past performance is reviewed.

NMPC will participate in selected Quality Assurance audits and witness tests at major equipment suppliers and their sub-suppliers.

When a supplier does not have a program or does not receive approval of his program, the SWEC Field Quality Control Division shall provide, with NMPC concurrence, the necessary controls for the supplier's work.

In the event a supplier fails to perform the Quality Control functions as stated in his approved program, NMPC will be notified and will direct SWEC QA to perform detailed inspection and other corrective actions as required.

D.2.8 Identification and Control of Materials, Parts, and Components

Identification and control of material, parts, and components are delegated and carried out by SWEC and GE-NEBG in accordance with detailed procedures within their respective Quality Assurance Programs. Methods and systems of identification are subject to review and audit by Unit 2 Quality Assurance staff.

D.2.9 Control of Special Processes

The control of special processes is delegated to SWEC, GE-NEBG, and the equipment vendors. NMPC gains assurance of these controls by selected audits of various vendors. Special attention is directed to welding, heat treating and nondestructive testing to ensure compliance with the applicable codes and standards.

D.2.10 Inspection

The inspection function is delegated to SWEC, GE-NEBG and their vendors, subject to audits by NMPC. However, during the preliminary and preoperational phase, inspection may be conducted by NMPC or one of its approved contractors.

D.2.11 Test Control

Selected vendors' shops are audited for test control by NMPC, SWEC and/or GE-NEBG Quality Assurance personnel. Certain shop tests on major components, such as hydrostatic tests, pump capacity tests, control systems checkouts, core and coil inspections, final assembly inspections, etc., will be witnessed by NMPC, SWEC and/or GE Quality Assurance personnel and engineers.



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D.2.11 Test Control (Continued)

The Administrative and Program controls during the preliminary testing phase (check-out and initial operations of equipment) are delineated in appropriate procedures. The Administrative and Program controls during the initial testing phase are delineated in the NMPC Start-up Administrative Procedures.

The NMPC Quality Assurance Department monitors performance of these testing activities to verify conformance with these controls.

D.2.12 Control of Measuring and Test Equipment

NMPC requires that procedures provide for periodic calibration of measuring and testing devices. The calibration system provides for the prevention of inaccuracy by detection of deficiencies and timely positive action for their correction. This is monitored by planned and periodic audits by the QA organization. NMPC Quality Assurance shall arrange for the review of NMPC, SWEC and GE-NEBG procedures and shall audit their activities to ensure that control of measuring and test equipment is an implemented part of their Quality Assurance Program. The NMPC Quality Assurance staff may also accompany SWEC and GE-NEBG on vendor audits to determine the adequacy of the vendor's measuring and test equipment control system.

D.2.13 Handling, Storage and Shipping

Control measures in accordance with applicable portions of 10CFR50, Appendix B, have been delegated to SWEC and GE-NEBG. Instructions or procedures developed by SWEC and GE-NEBG will be subject to review and audit by NMPC.

D.2.14 Inspection, Test and Operating Status

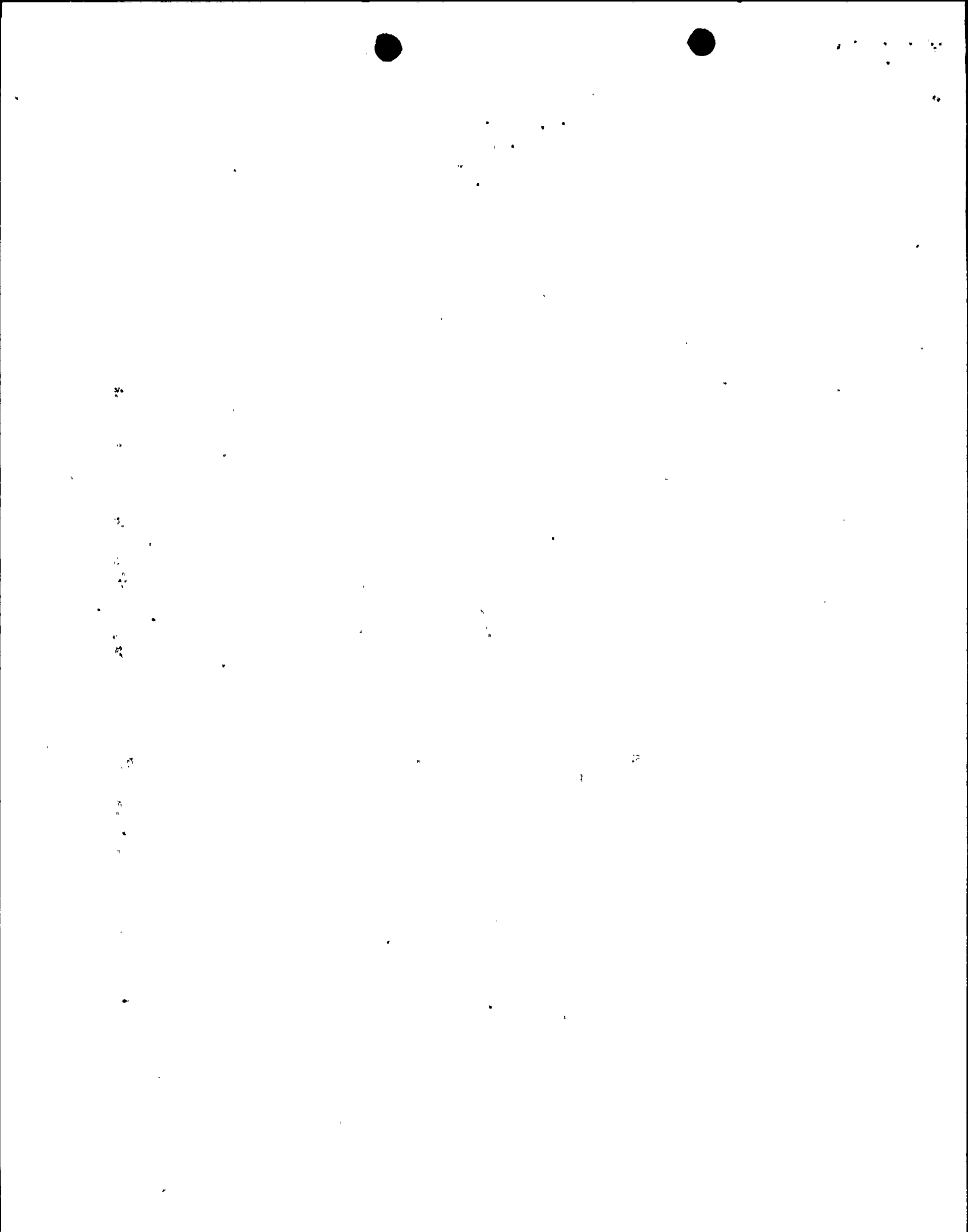
NMPC, SWEC, and GE-NEBG are required to maintain a system that provides assurance that the inspection and test status of materials and components under their respective control is known at all times.

D.2.15 Nonconforming Material, Parts or Components

Measures are established within the respective QA Programs to assure that conditions adverse to quality are properly identified and corrected. Review and audit for compliance will be conducted by NMPC.

D.2.16 Corrective Action

Measures are established within the respective QA Programs to assure that conditions adverse to product quality, such as deviations, nonconformances, defective items etc., are identified and appropriate corrective and preventive action is taken by means of audits of corrective action systems. Results of these audits will be reported to the proper levels of NMPC management.



D.2.17 Quality Assurance Records

The QA Program established requirements for generation, collection and maintenance of Quality Assurance records which furnish objective evidence of the quality of items and the completion of activities affecting quality. A permanent records retention system is established to provide readily retrieved quality history for each item as required by regulations, codes, standards, specifications and procurement documents.

Niagara Mohawk Power Corporation has overall responsibility for Quality Assurance records and designates the QA record types required for the permanent plant file. Responsibility has been delegated to SWEC and GE-NEBG for generation, collection, storage, review and approval, and transmittal to NMPC of records covering design, manufacturing, construction and installation, and preliminary testing. NMPC Records Management receives and processes records into the permanent plant file and maintains the file as required throughout the lifetime of the facility. NMPC QA monitors the records program by audit and surveillance.

D.2.18 Audits

Audits planned by NMPC Quality Assurance during the design and construction phase consist of audits of SWEC at both the design office and the construction site, audits of GE-NEBG audits of the NMPC Project Office and vendor audits.

NMPC QA audits are performed as a method of determining the effectiveness of the SWEC and the GE-NEBG Quality Assurance Programs. This is accomplished by reviewing selected elements of the Nine Mile Point Unit 2 approved Quality Assurance Program, SWEC QA Program and GE-NEBG QA Program.

Audits are normally conducted using audit plans and checklists prepared by Quality Assurance personnel. The audit plans and checklists are developed using the parameters established by various documents, i.e., Quality Assurance manuals, procedures, specifications, etc. The general policy in regard to vendor, SWEC and GE-NEBG audits by NMPC is to verify that vendors of safety-related components conform to all applicable portions of Appendix B to 10CFR50 and the Quality Assurance Program. In order to do this, it is necessary to ensure that vendor audits delegated to SWEC and GE-NEBG are adequate to ensure quality, to evaluate the vendors' management systems, records, quality assurance/quality control manuals, processes, hardware conformance and activities against these criteria. The frequency of audits depends on the function being audited or on prior audit experiences. Most audits will be conducted on a planned and scheduled basis. When conditions warrant, unscheduled audits may be conducted with a minimum notice and minimum written preplanning.



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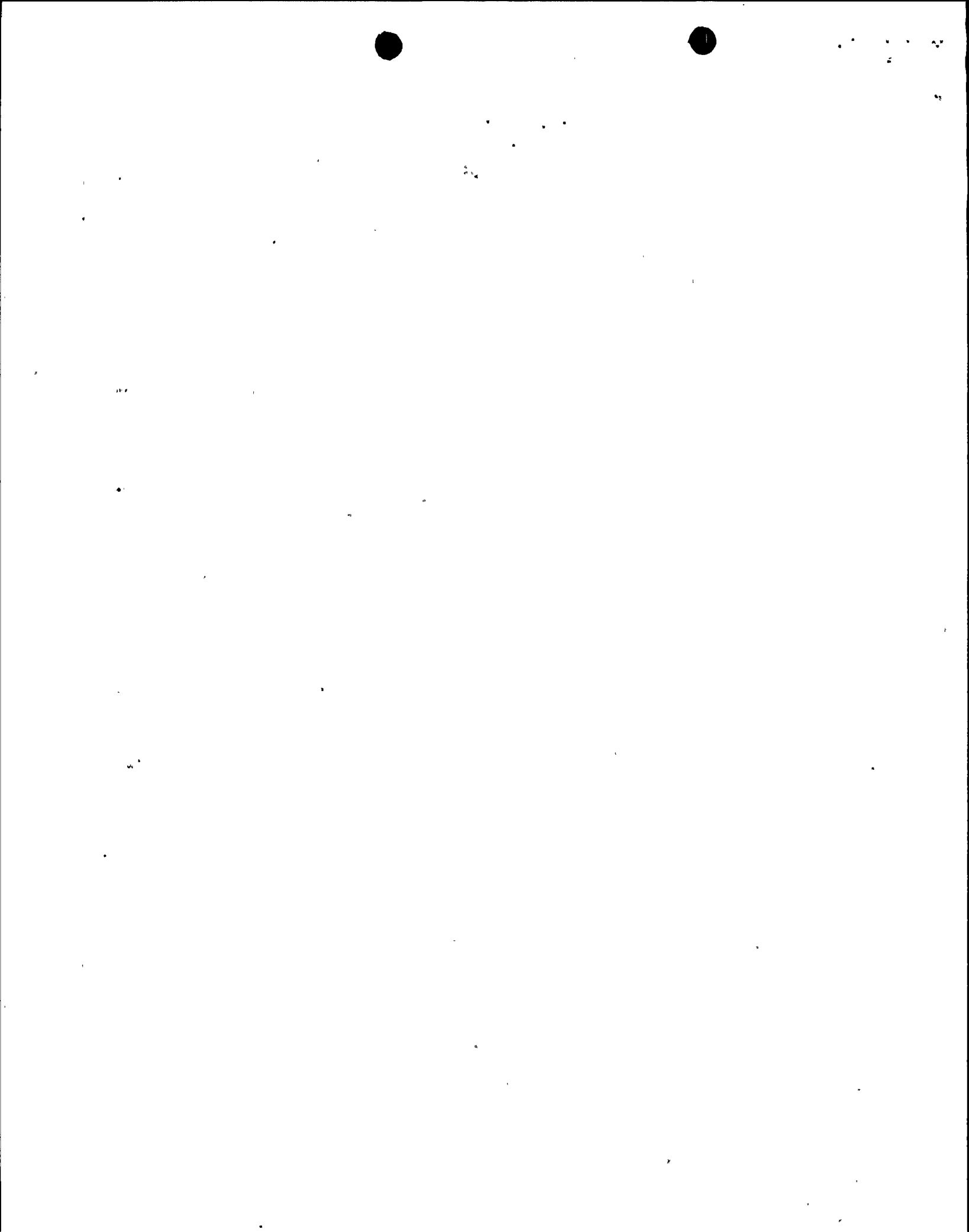
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D.2.18 Audits (Continued)

The results of each audit are reported in writing to the appropriate levels of management within NMPC and the organization audited.

The audit report shall list all discrepancies found and the persons or organizations assigned corrective actions. These responsible persons or organizations shall submit to the appropriate Quality Assurance Supervisor a report of the corrective action taken, or shall specify a reasonable time period when this action can be accomplished.



NMP-2 PSAR

Qualifications and Experience Levels of QA Personnel

Title - Vice President Quality Assurance

Education

Bachelor's degree in Engineering or Physical Science from an accredited institution.

Experience

- a. Fifteen (15) years of experience in technical fields such as Quality Control/Assurance, Engineering, Manufacturing, Operations, or Construction; and
- b. Five (5) years of experience in Nuclear Quality Control/Assurance; and
- c. Five (5) years of experience in responsible managerial positions.

NOTE: The experience requirements may be met on a concurrent basis.

Title - Quality Assurance Department Managers and Supervisors

Education

Bachelor's degree or equivalent in Engineering or Physical Science.

Experience

- a. Seven (7) years in Quality Assurance, Design, Manufacturing, Construction, Plant Operations, or equivalent activities; and
- b. Three (3) years in Nuclear Quality Assurance.

NOTE: Experience requirements may be met on a concurrent basis.



NMP-2 PSAR

D.3 STONE & WEBSTER ENGINEERING CORPORATION QUALITY ASSURANCE PROGRAM

Execution of portions of Project Quality Assurance performed by SWEC shall be in accordance with the latest revision of the Quality Assurance Program for Nine Mile Point Nuclear Station Unit 2 manual.



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NMP-2 PSAR

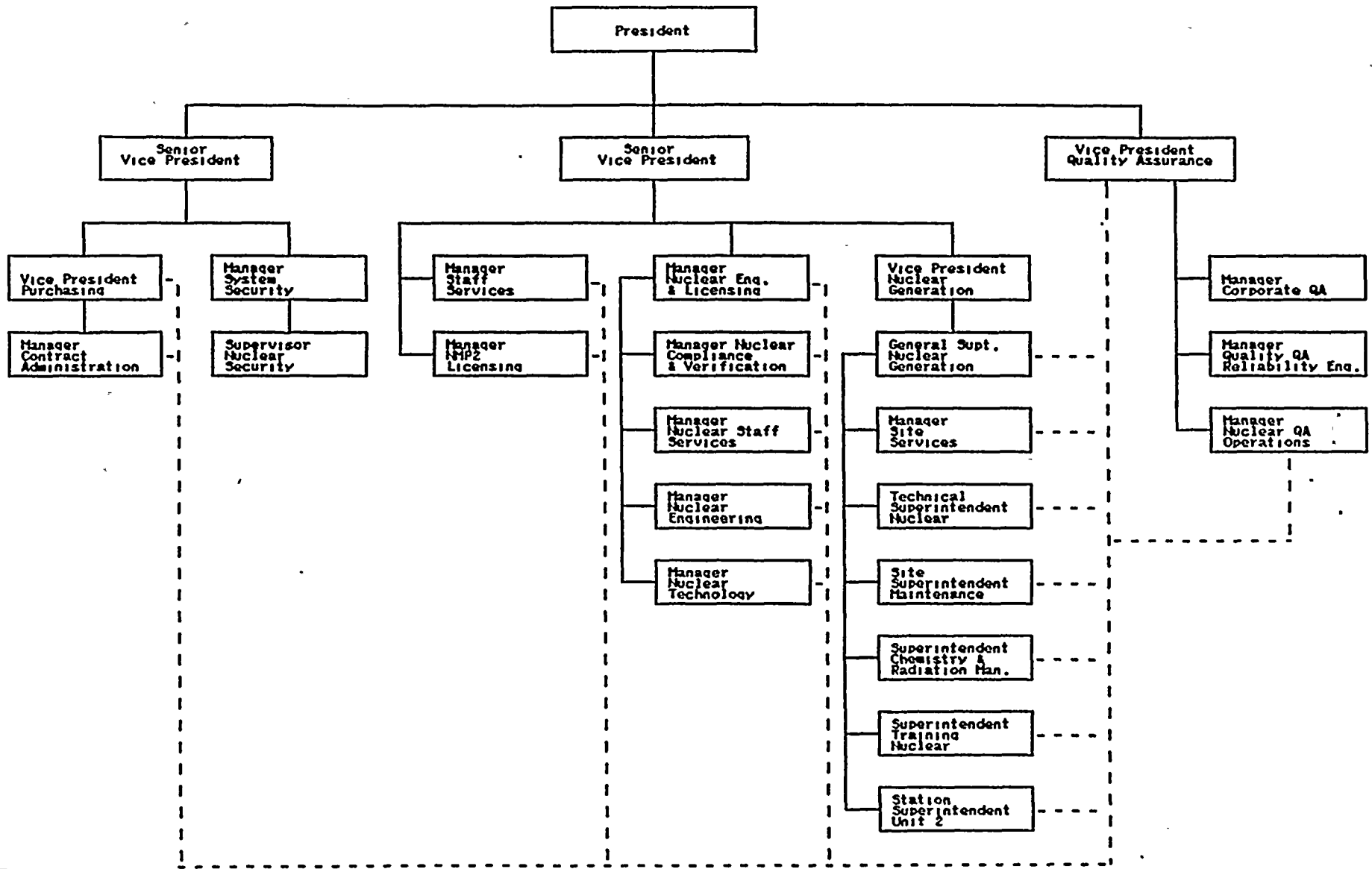
D.4 GENERAL ELECTRIC QUALITY ASSURANCE PROGRAM

As of the date of this submittal, execution of portions of Project Quality Assurance performed by GE shall be in accordance with the latest revision of their "Nuclear Energy Business Operations Boiling Water Reactor Quality Assurance Program Description", NEDO-11209-04A.



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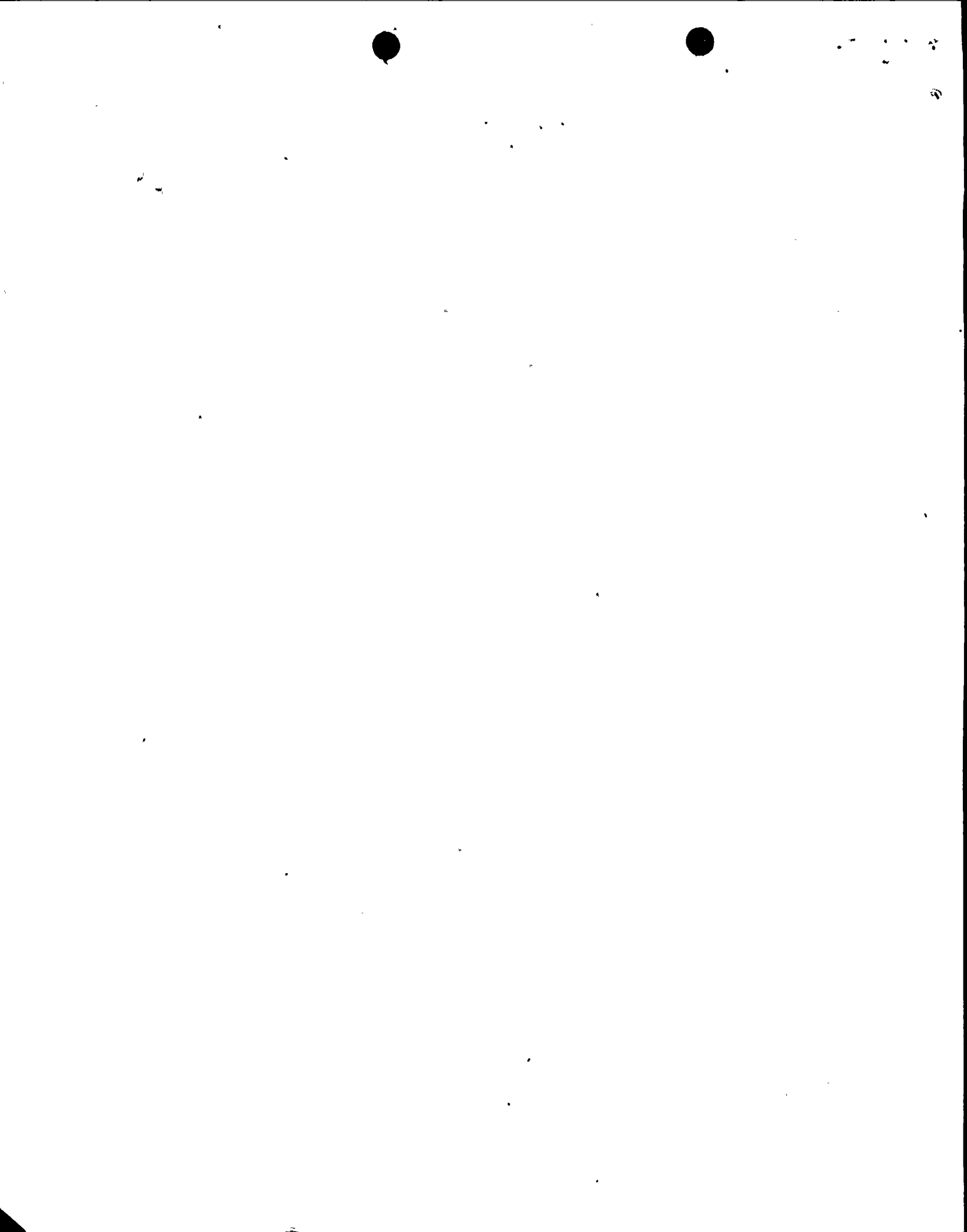
Niagara Mohawk Organizational Interface



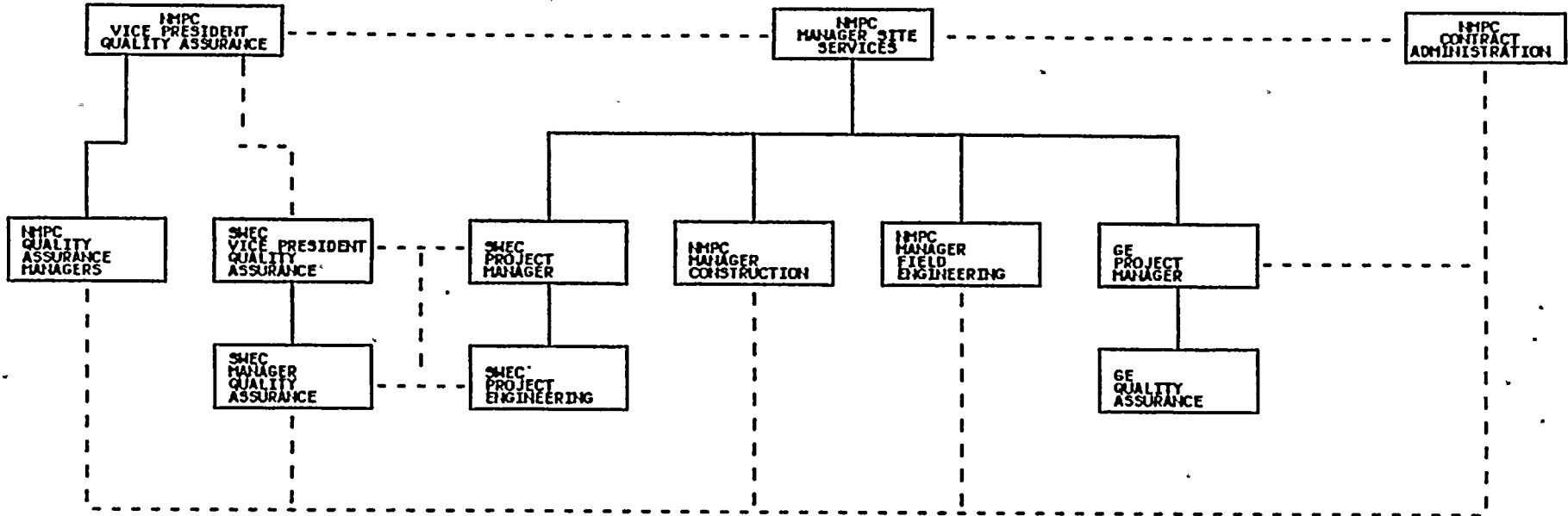
Key

- - - - - Communication
- Administration and/or Required Communication Link

NMP Unit2 PSAR
 NMPC
 Organization
 Fig. D.1-1



NINE MILE POINT NUCLEAR STATION UNIT 2
 RESPONSIBILITY, AUTHORITY, AUDIT,
 AND COMMUNICATION INTERFACE
 - NNPC, S&W, GE -



KEY
 ——— ADMINISTRATIVE
 - - - COMMUNICATION

NNPC UNIT2 PSAR
 NNPC-SMEC-GE
 ORGANIZATIONAL
 INTERFACE
 FIG. D.1-2

