

UNITED STATES  
NUCLEAR REGULATORY COMM  
REGION I  
631 PARK AVENUE  
KING OF PRUSSIA, PENNSYLVANIA 19406

REACTOR FACILITIES BRANCH

FILE COPY

OCT 1 0 1975

Niagara Mohawk Power Corporation  
Attention: Mr. R. R. Schneider  
Vice President  
Electric Productions  
300 Erie Boulevard, West  
Syracuse, New York 13202

License No. DPR-63  
Inspection No. 75-20  
Docket No. 50-220

Gentlemen:

This refers to the inspection conducted by Mr. E. Jernigan of this office on September 22-26, 1975 at Scriba, New York of activities authorized by NRC License No. DPR-63 and to the discussions of our findings held by Mr. E. Jernigan with Mr. Lempges of your staff at the conclusion of the inspection.

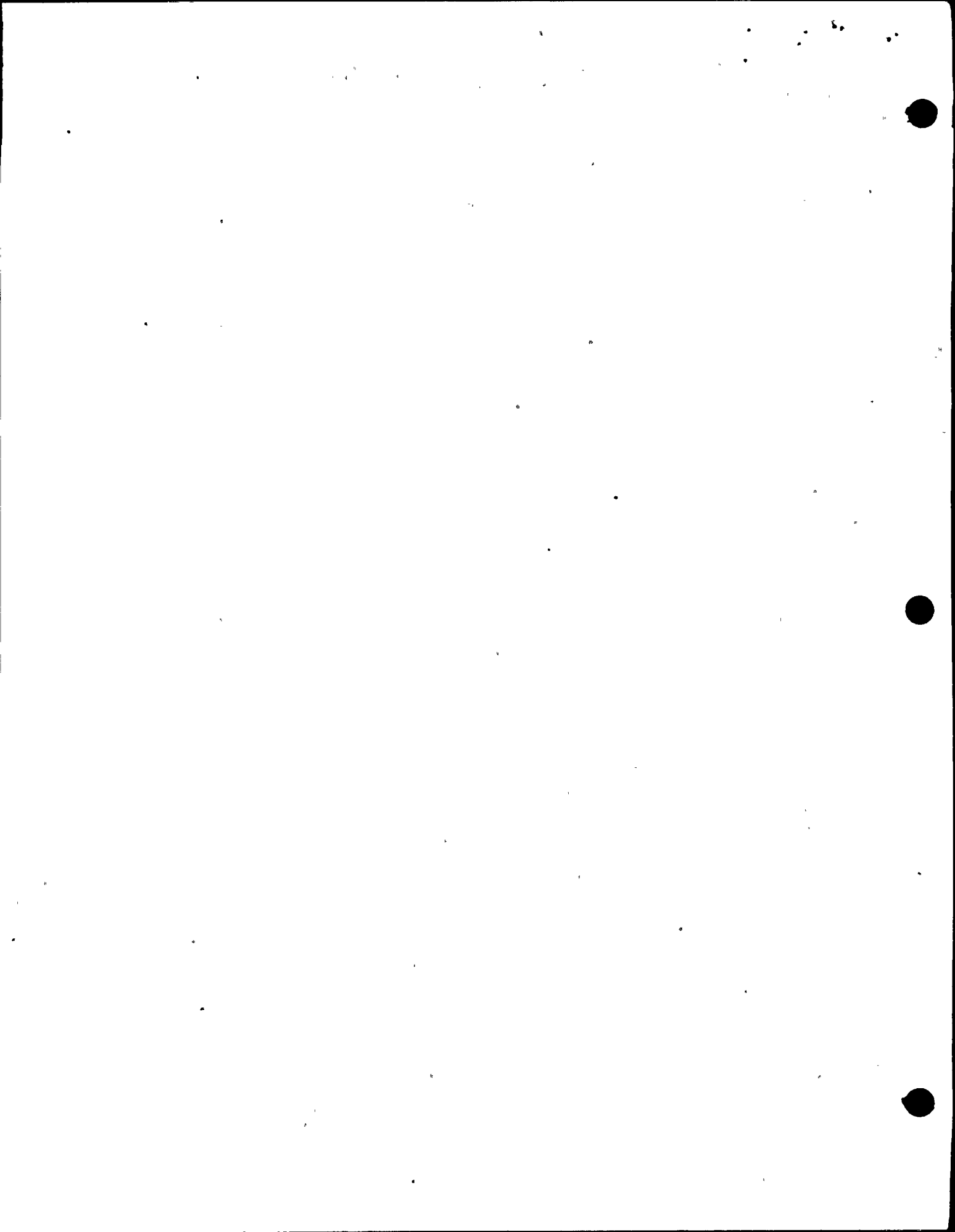
Areas examined during this inspection are described in the Office of Inspection and Enforcement Inspection Report which is enclosed with this letter. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector.

Within the scope of this inspection, no items of noncompliance were observed.

In accordance with Section 2.790 of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the NRC's Public Document Room. If this report contains any information that you (or your contractor) believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must include a full statement of the reasons on the basis of which it is claimed that the information is proprietary, and should be prepared so that proprietary information identified in the application is contained in a separate part of the document. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.



*[Handwritten signature]*




Niagara Mohawk Power Corporation

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No reply to this letter is required; however, should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

*for* 

Robert T. Carlson, Chief  
Facility Construction and Engineering  
Support Branch

Enclosure:

IE:I Inspection Report No. 50-220/75-20

cc: T. E. Lempges, General Superintendent, Nuclear Generation  
T. J. Perkins, Plant Superintendent  
C. L. Stuart, Operations Supervisor  
E. B. Thomas, Jr., Esquire  
A. Z. Roisman, Counsel for Citizens Committee for  
Protection of the Environment (Without Report)

bcc:

IE Mail & Files (For Appropriate Distribution)

PDR

Local PDR

NSIC

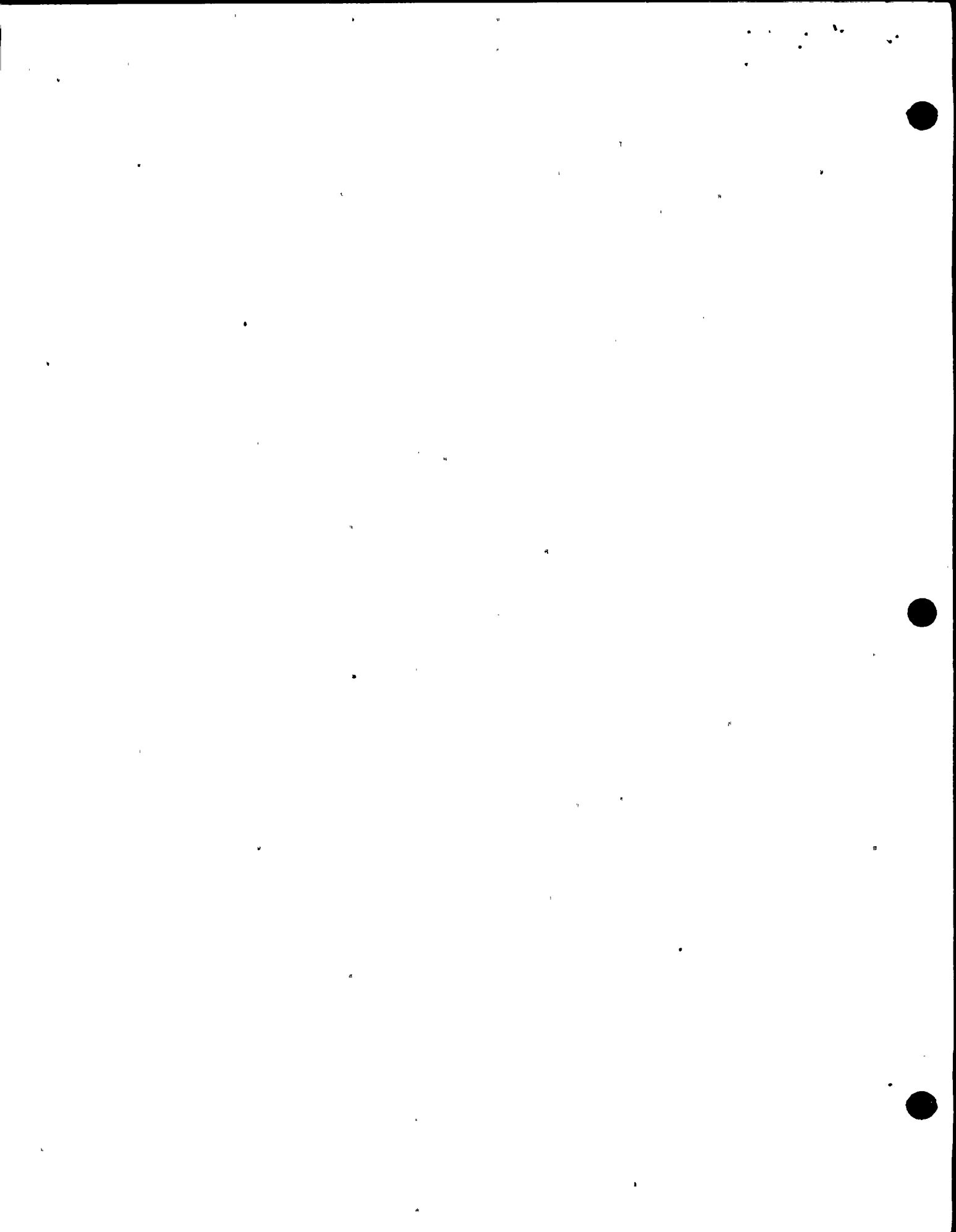
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REG:I Reading Room

Region Directors (II, III, IV) (Report Only)

State of New York

A. Z. Roisman, Counsel for Citizens Committee for  
Protection of the Environment



U. S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
REGION I

IE Inspection Report No: 50-220/75-20

Docket No: 50-220

Licensee: Niagara Mohawk Power Corporation

License No: DPR-63

300 Erie Boulevard West

Priority: -

Syracuse, New York 13202

Category: C

Safeguards  
Group: -

Location: Scriba, New York (NMP-1)

Type of Licensee: BWR, 1850 MWe (GE)

Type of Inspection: Routine, Unannounced

Dates of Inspection: September 22-26, 1975

Dates of Previous Inspection: September 15-18, 1975

Reporting Inspector: Ernest P. Jernigan, Jr.  
Ernest P. Jernigan, Jr., Reactor Inspector

10-9-1975  
DATE

Accompanying Inspectors: None

DATE

DATE

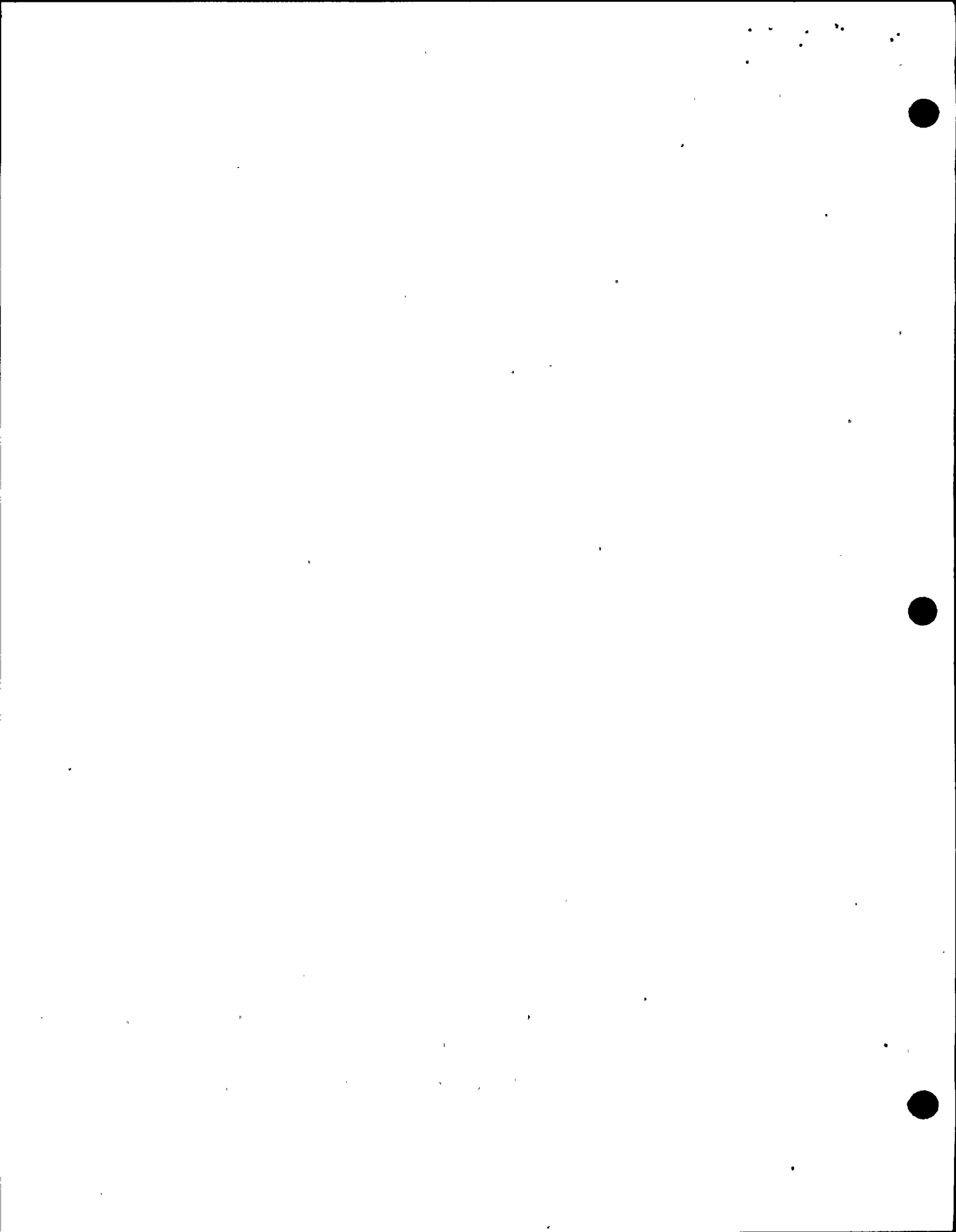
DATE

Other Accompanying Personnel: None

DATE

Reviewed By: R. C. Haynes  
R. C. Haynes, Senior Reactor Inspector

10/9/75  
DATE



SUMMARY OF FINDINGS

Enforcement Action

Items of Noncompliance

None

Deviations

None

Licensee Action on Previously Identified Enforcement Items

Not inspected

Design Changes

None identified

Unusual Occurrences

None reported

Other Significant Findings

A. Current Findings

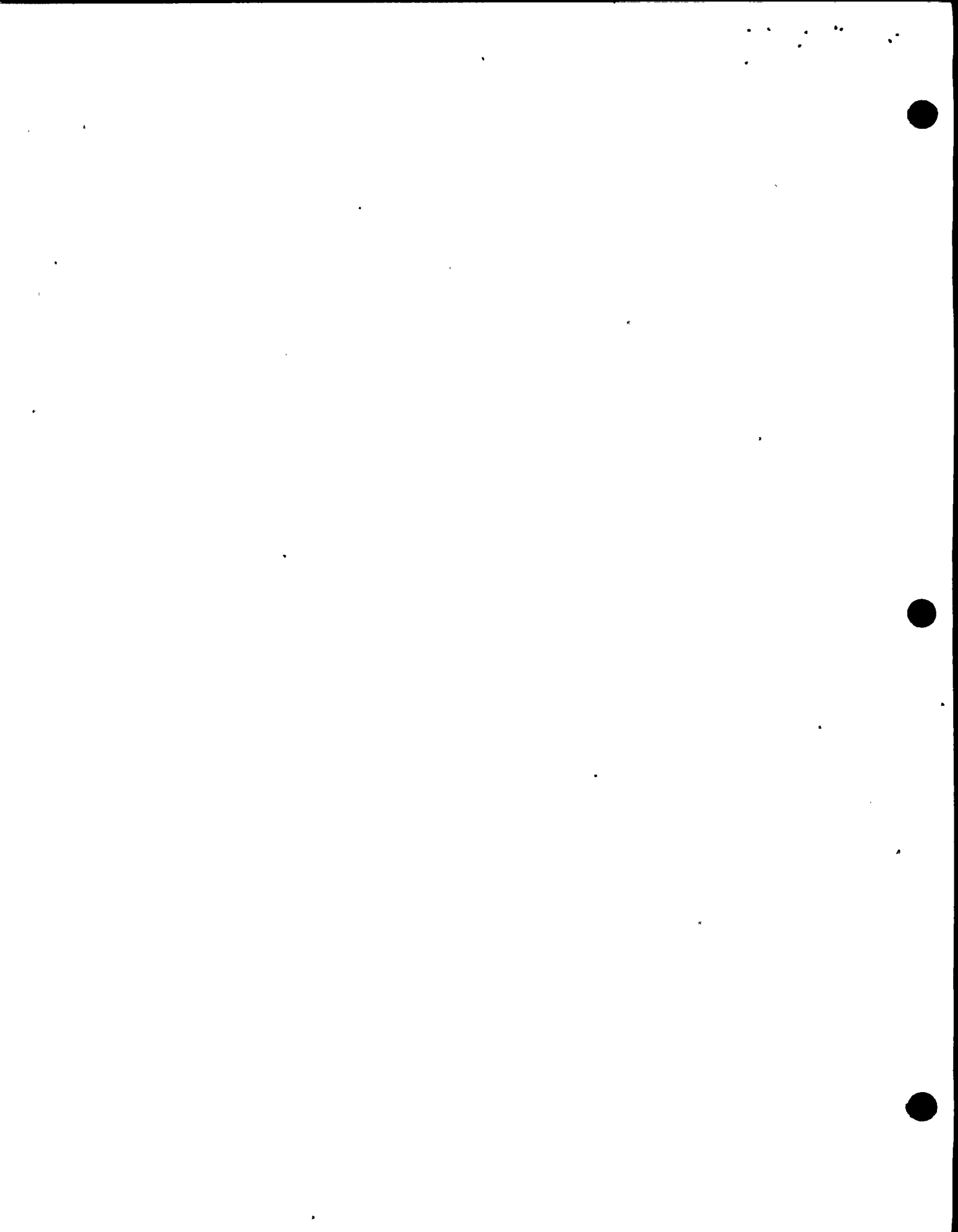
1. Acceptable Areas

a. Inservice Inspection NDE Procedures

The nondestructive examination procedures for the first phase inspection were reviewed and were found to meet regulatory requirements. (Details, Paragraph 3)

b. NDE Test Personnel Qualification Records

Documentation of the qualifications of NDE test personnel was reviewed and it was found that requirements of the American Society for Nondestructive Testing (governing standard), were met. (Details, Paragraph 4)





c. Implementation of NDE Procedures

Surface examination of selected Reactor Pressure Vessel (RPV) Head safe end welds and nozzles were observed and it was found that procedural requirements were met. (Details, Paragraph 5)

2. Unresolved Items

a. Inservice Inspection Program

The inspector reviewed the Inservice Inspection (ISI) Program Plan and Schedule. It was observed that the ISI program for the first inspection interval was not developed.

This item is considered unresolved pending review of the developed ISI program for the first inspection interval. (Details, Paragraph 6)

b. Volumetric Examination Procedure for Examination of Furnace Sensitized Safe-Ends and Safe-End Welds

The inspector reviewed the licensee's Supplemental Inspection Program and examination procedures for the examination of furnace sensitized safe-ends and safe-end welds. It was found that the volumetric examination procedure was not yet developed.

This item is considered unresolved pending a review of the developed procedure and the licensee's evaluation of examination results of nozzles examined. (Details, Paragraph 7)

B. Status of Previously Reported Unresolved Items

Not applicable

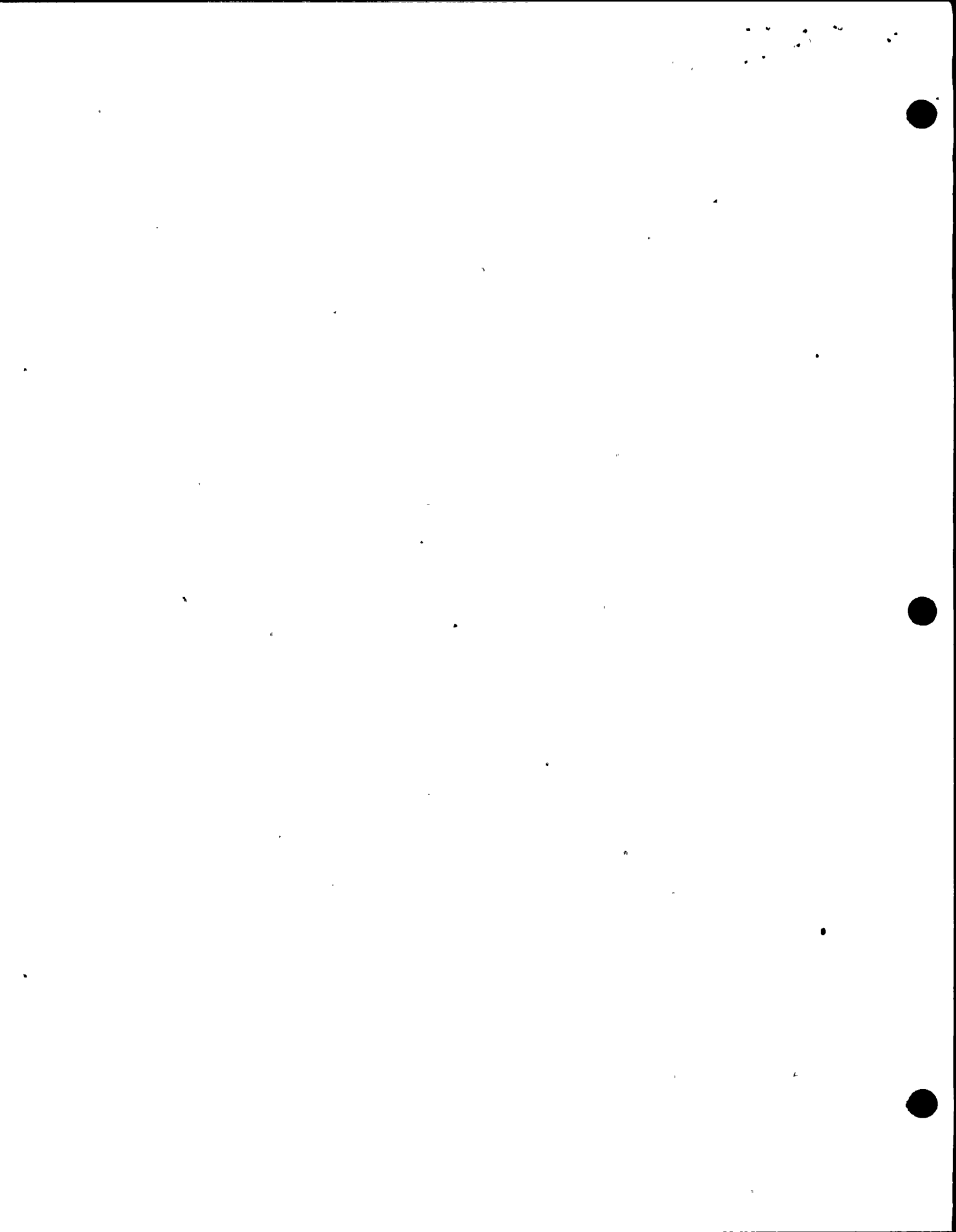
Management Interview

A management interview was held at the site on September 26, 1975.

Persons Present

Niagara Mohawk Power Corporation

Mr. T. Lempges, General Superintendent  
Mr. T. Perkins, Plant Superintendent



Persons Present - Niagara Mohawk Power Corporation (continued)

Mr. R. Norrix, Quality Control  
Mr. W. Bryant, Quality Control

A. Scope of Inspection

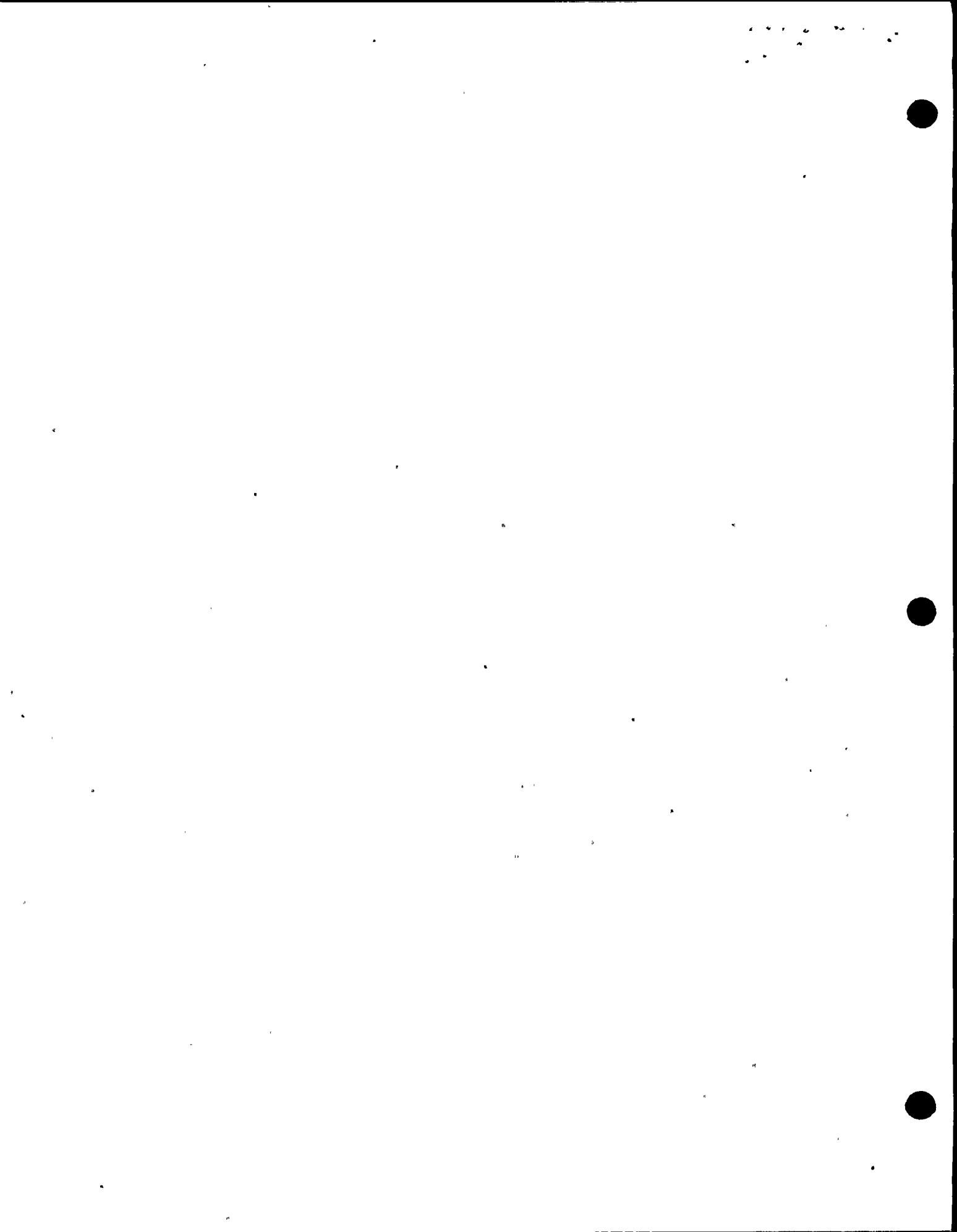
The inspector stated that the purpose of this inspection was to review the licensee's ISI program and also the supplemental inspection program for the examination of furnace sensitized safe-ends and safe-end welds. The inspection also included a review of procedures and examination data related to both programs and to observe work in progress.

B. Review of Acceptable Items

The items discussed were as identified under the Acceptable Areas section of the Summary of Findings of this report.

C. Review of Unresolved Items

The items discussed were as identified under the Unresolved Items section of the Summary of Findings of this report.



## DETAILS

### 1. Persons Contacted

#### Niagara Mohawk Power Corporation

Mr. R. Norrix, Quality Control  
Mr. W. Bryant, Quality Control  
Mr. R. Abbott, Assistant Maintenance Supervisor  
Mr. R. Baker, Assistant Superintendent  
Mr. T. Perkins, Plant Superintendent

#### Nuclear Engineering Service

Mr. N. Harbinson, Manager, ISI Technology  
Mr. A. Uziel, ISI Project Manager  
Mr. G. Dew, NDT, Level II  
Mr. R. Batt, NDT, Level II

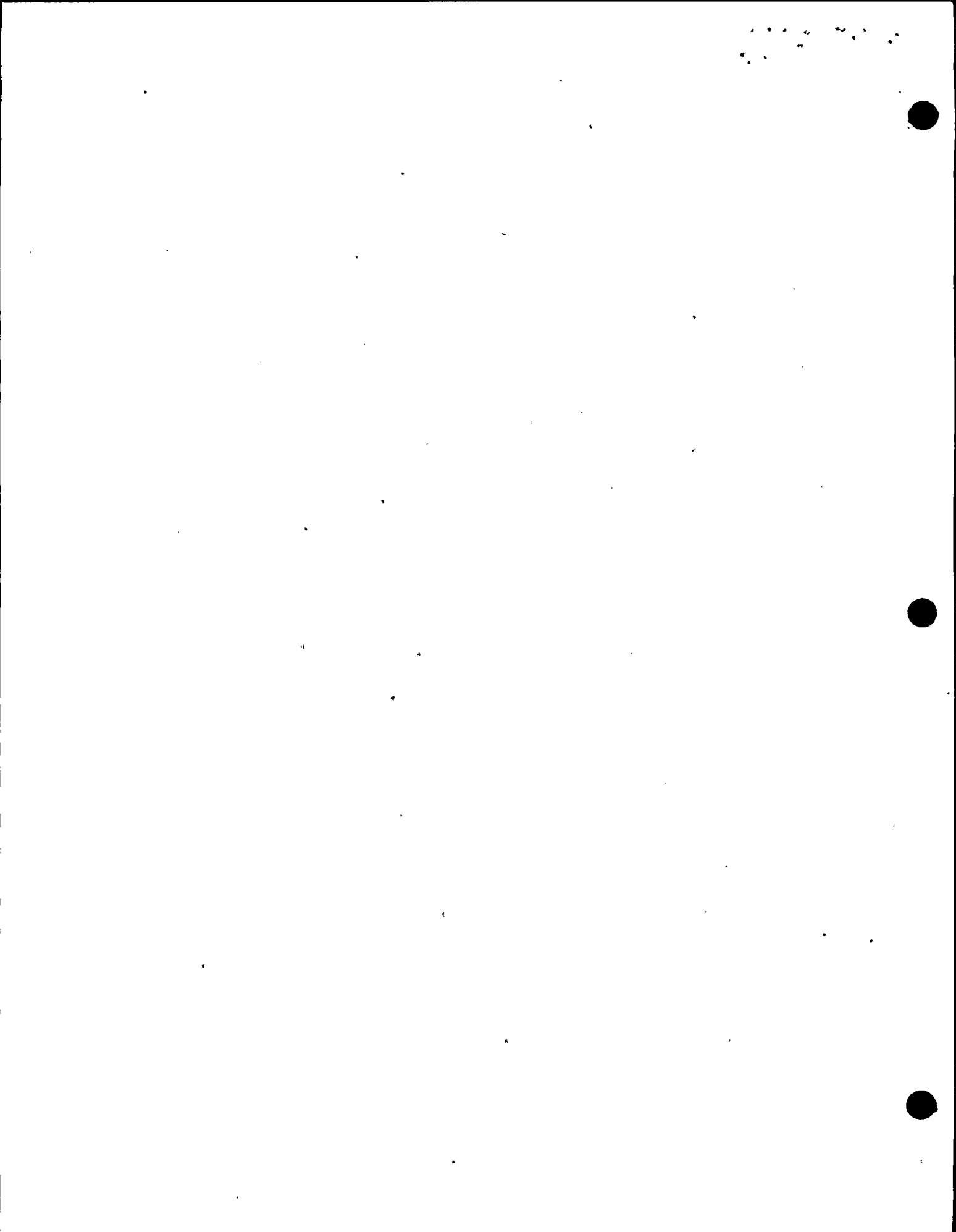
### 2. General

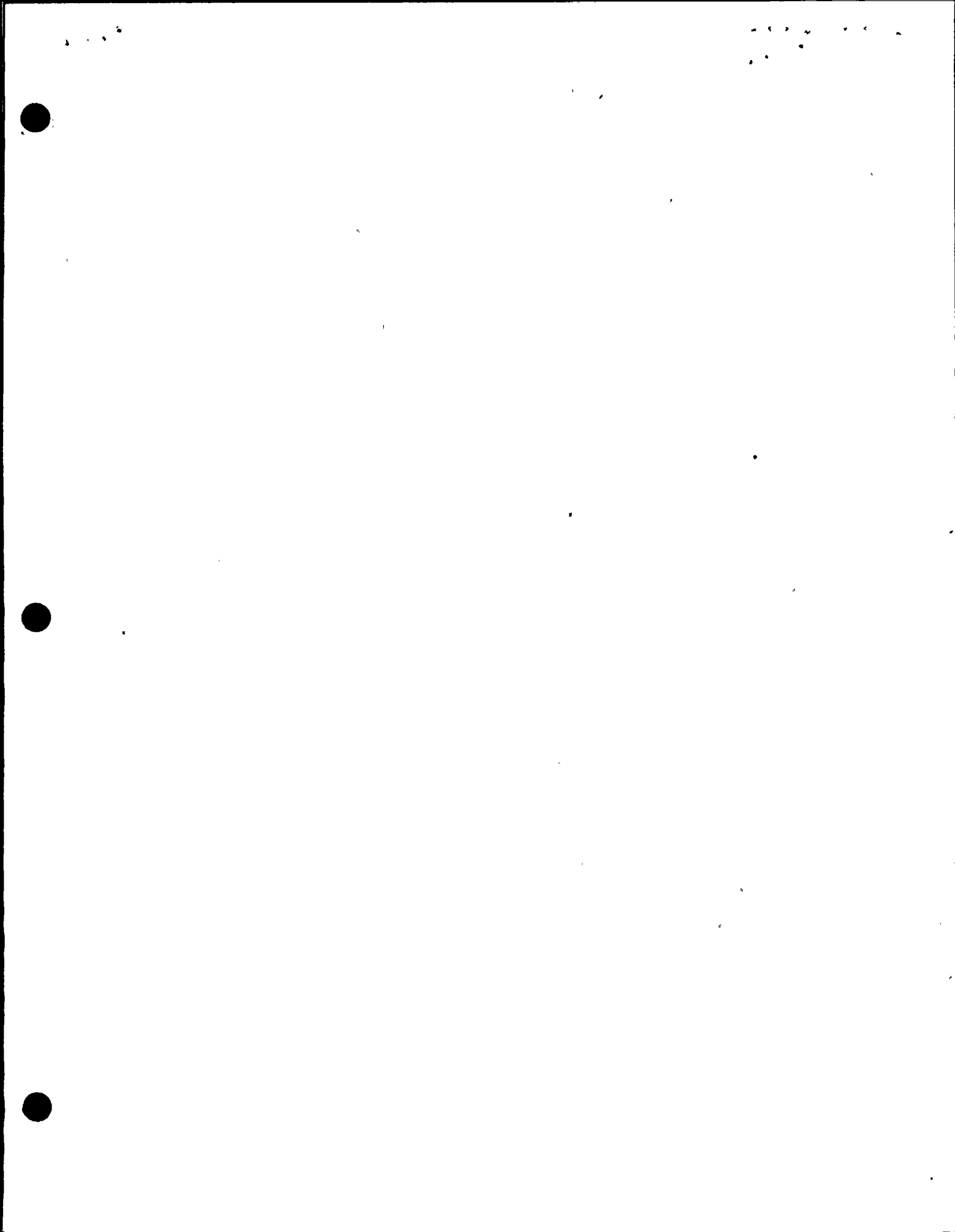
The purpose of this inspection was to review the licensee's ISI program and also the supplemental inspection program for the examination of furnace sensitized safe-ends and safe-end welds. This inspection also included a review of procedures, examination data and observation of work in progress relating to the above programs.

### 3. Inservice Inspection NDE Procedures

Table 4.2.6 in the licensee's Technical Specification describes the Inservice Inspection Program which is based upon the 1974 edition of the ASME Boiler and Pressure Vessel Code, Section XI. The licensee and the examination contractor informed the inspector that procedures, methods, techniques and the evaluation of examination results were being performed in accordance with approved procedures.

The inspector reviewed NDE procedures NIP-554, NIP-528 and NIP-529 which were developed to conduct examinations outlined in the "Program Plan and Schedule" of areas and components that are scheduled for examination during the first phase of the inspection interval (1975 refueling outage). The inspector found that procedures NIP-554, NIP-528 and NIP-529 met code requirements. The inspector reviewed the following data and associated calibration sheets and determined that procedural requirements were being complied with:





- a. Data Sheet 554-2, documenting examination results of three core spray system welds: P-40-50-CW, P-40-50-WU and P-40-50-CWDZ;
- b. Data sheets numbered 554-3, 554-4 and 554-5 documenting examination results of three main steam line welds: P-02-12-W, P-02-12-W and P-02-62-W;
- c. Data Sheet 554-9, documenting examination results of two welds in the shutdown cooling system: P-38-114-W and P-38-14-W; and
- d. Data Sheet 554-11, documenting examination results of four welds in the Emergency Condenser line: P-39-36-A1W, P-39-36-AW, P-39-36-AWD and P-39-35-AWD.

4. NDE Test Personnel Qualification Records

The inspector reviewed the qualification records of NDE personnel including records of job experience, formal training, results of qualifying examinations and physical examination results. The inspector found that requirements of SNT-TC-1A (governing standard) had been met.

5. Implementation of NDE Procedures

The inspector witnessed the surface examination of four RPV head nozzle safe-ends and safe-end welds, identified as N7D, N7E, N7F and N7G. The examinations were conducted in accordance with procedure NIP-528. The inspector observed that procedural requirements were complied with.

The above examinations were conducted as required by the licensee's Supplemental Inspection Program for furnace sensitized safe-ends and safe-end welds.

6. Inservice Inspection Program

The inspector reviewed the licensee's ISI Program Plan and Schedule, which has been developed to include only those examinations to be performed during the 1975 refueling outage.

The licensee stated that the ISI program for the first inspection interval was being developed and was expected to be available by January 1976.



This item is unresolved pending NRC review of the completed program and related NDE procedures.

7. Volumetric Examination Procedure for Examination of Furnace Sensitized Safe-Ends and Safe-End Welds

The inspector found that the volumetric examination procedure for the examination of safe-ends and safe-end welds had not been developed.

The licensee stated that the volumetric examination procedure was being developed and was expected to be completed by October 1, 1975.

This item is considered to be unresolved pending review during a subsequent NRC inspection of this procedure and the licensee's evaluation of results of the nondestructive examinations performed on sensitized safe-ends and safe-end welds.

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