

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

*Reactor Facilities
Branch*

FEB 11 1976

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

License No. DPR-63
Inspection No. 75-26
Docket No. 50-220

Reference: Your letter dated January 20, 1976
In response to our letter dated December 29, 1976

Gentlemen:

Thank you for informing us of the corrective and preventive actions you documented in response to our correspondence. These actions will be examined during a subsequent inspection of your licensed program.

Your cooperation with us is appreciated.

Sincerely,



Paul R. Nelson, Chief
Fuel Facility and Materials Safety
Branch

cc: T. E. Lempges, General Superintendent, Nuclear Generation
T. J. Perkins, Station Superintendent
C. L. Stuart, Operations Supervisor
E. B. Thomas, Jr., Esquire
A. Z. Roisman, Counsel for Citizens Committee for
Protection of the Environment

bcc:
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TIC
REG:I Reading Room
State of New York





NIAGARA MOHAWK POWER CORPORATION

NIAGARA MOHAWK

300 ERIE BOULEVARD, WEST
SYRACUSE, N. Y. 13202

January 20, 1976

Mr. Paul R. Nelson, Chief
Fuel Facility and Materials Safety Branch
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pa. 19406

RE: Docket No. 50-220
Inspection Report 75-26

Dear Mr. Nelson:

Following a careful and thorough review of Inspection Report 75-26, conducted by Mr. R. Everett of your office on November 19-21, 1975 at the Nine Mile Point Nuclear Station, we have concluded that the report may be placed in the NRC Public Document Room.

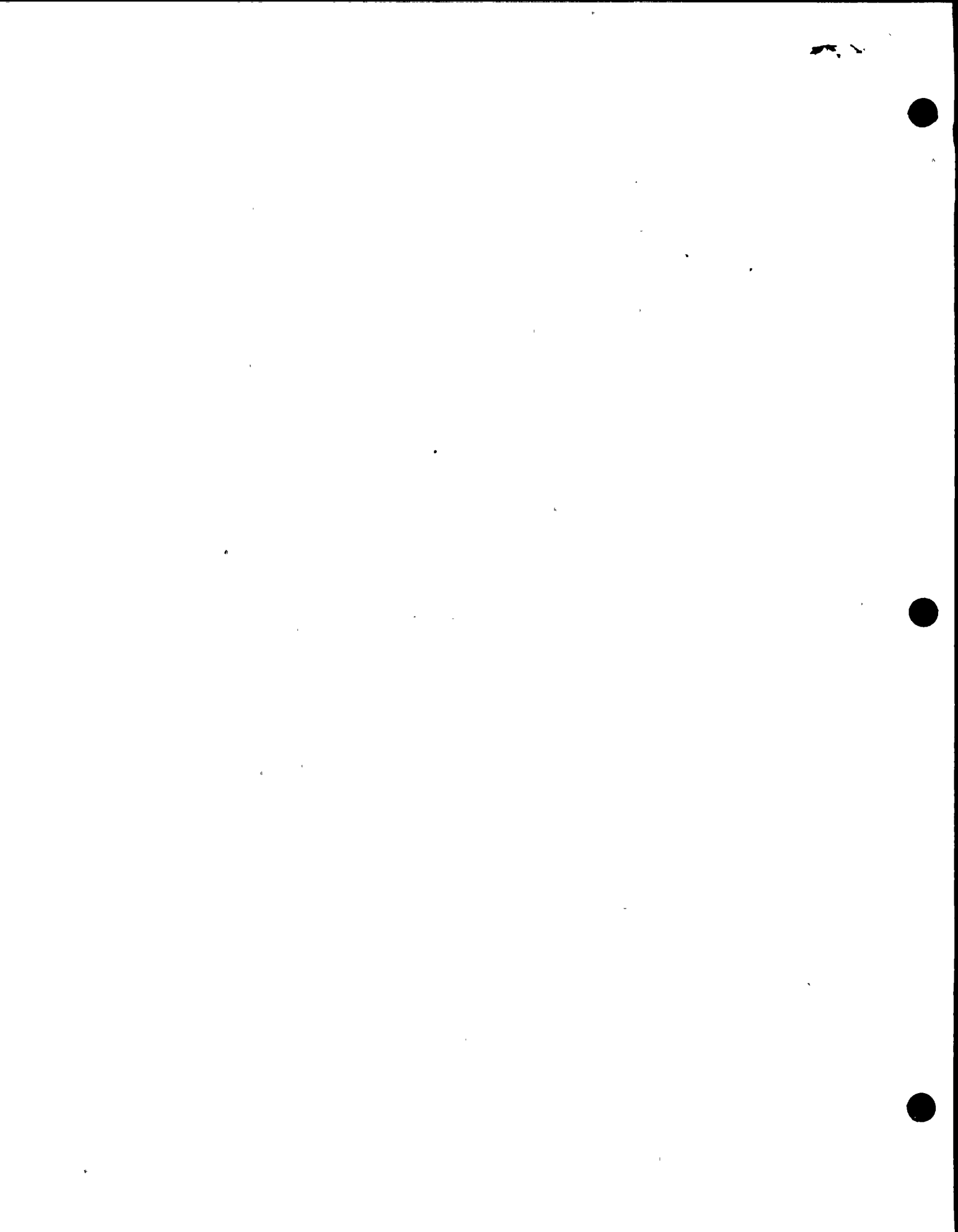
Concerning the alleged items of noncompliance as numerated in your Appendix A to the report, the following is submitted:

- A. "Contrary to Appendix B, Section XVII of 10 CFR 50 and Section 18.10 of the licensee's tenth supplement to the FSAR; quality control audits were not performed of the Chemistry and Health Physics Program at the station."

RESPONSE:

Due to an apparent improper interpretation of Section 18.10 of the tenth supplement to the FSAR, an audit of the Chemistry and Health Physics Program was not made in 1975. An Audit of this nature will be performed in 1976. Full compliance is expected prior to December 1976. It is not expected that further infractions of this nature will occur due to the fact that almost every conceivable audit is now being performed with the current interpretation of Section 18.10 of the tenth supplement of the FSAR.

- B. "Contrary to Sections 2.3.3 and 2.3.4 of the Environmental Technical Specifications, respectively, the sulfate content and pH of liquid waste released from the makeup Demineralizer Regeneration Waste Tank on November 17, 1975 exceeded their respective limits as a result of a valve failure."

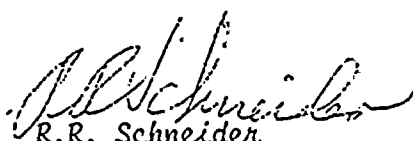


B. This response, as indicated in your Appendix A, will only address actions to prevent further occurrences.

RESPONSE:

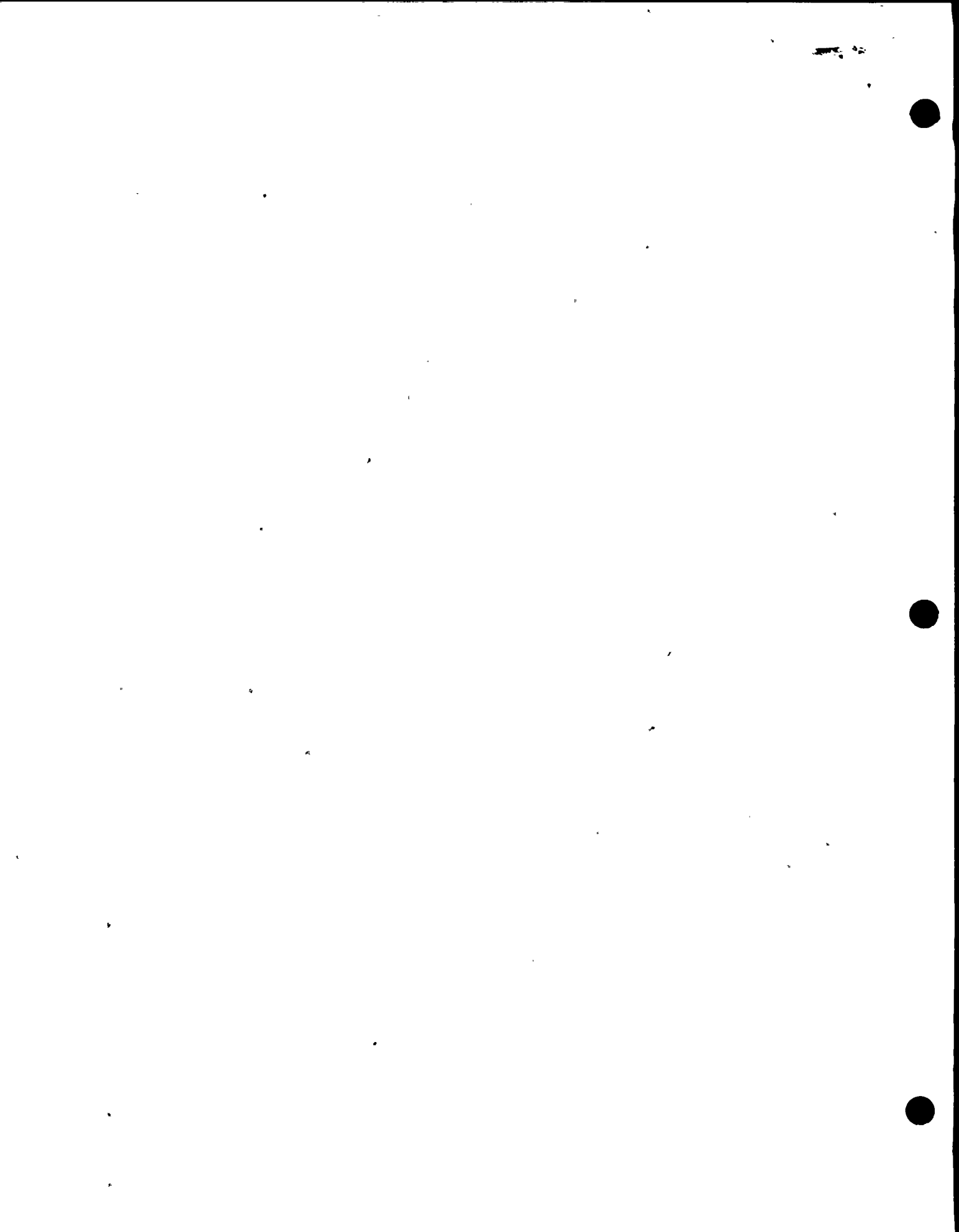
An engineering evaluation is presently underway on this system, to implement necessary changes to prevent re-occurrence. This includes instrumentation, chemical addition refinement and flow rate discharge. Full compliance is expected prior to the beginning of the next operating cycle, which is dependent upon design and parts procurement.

Very truly yours,


R.R. Schneider
Vice President -
Electric Operations

TJD/mnn

REC'D E.I.V. B...
U.S.N.R.C.
JAN 26 1976
KING OF PRUSSIA, PA.



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

*Reactor facilities
branch*

DEC 4 1975

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

License No. DPR-17
Inspection No. 75-25
Docket No. 50-220

Gentlemen:

This refers to the inspection conducted by Mr. T. Martin of this office on November 11-14, 1975 at Nine Mile Point 1 Station, Oswego, New York of activities authorized by NRC License No. DPR-17 and to the discussions of our findings held by Mr. T. Martin with Mr. T. Lempges of your staff at the conclusion of the inspection.

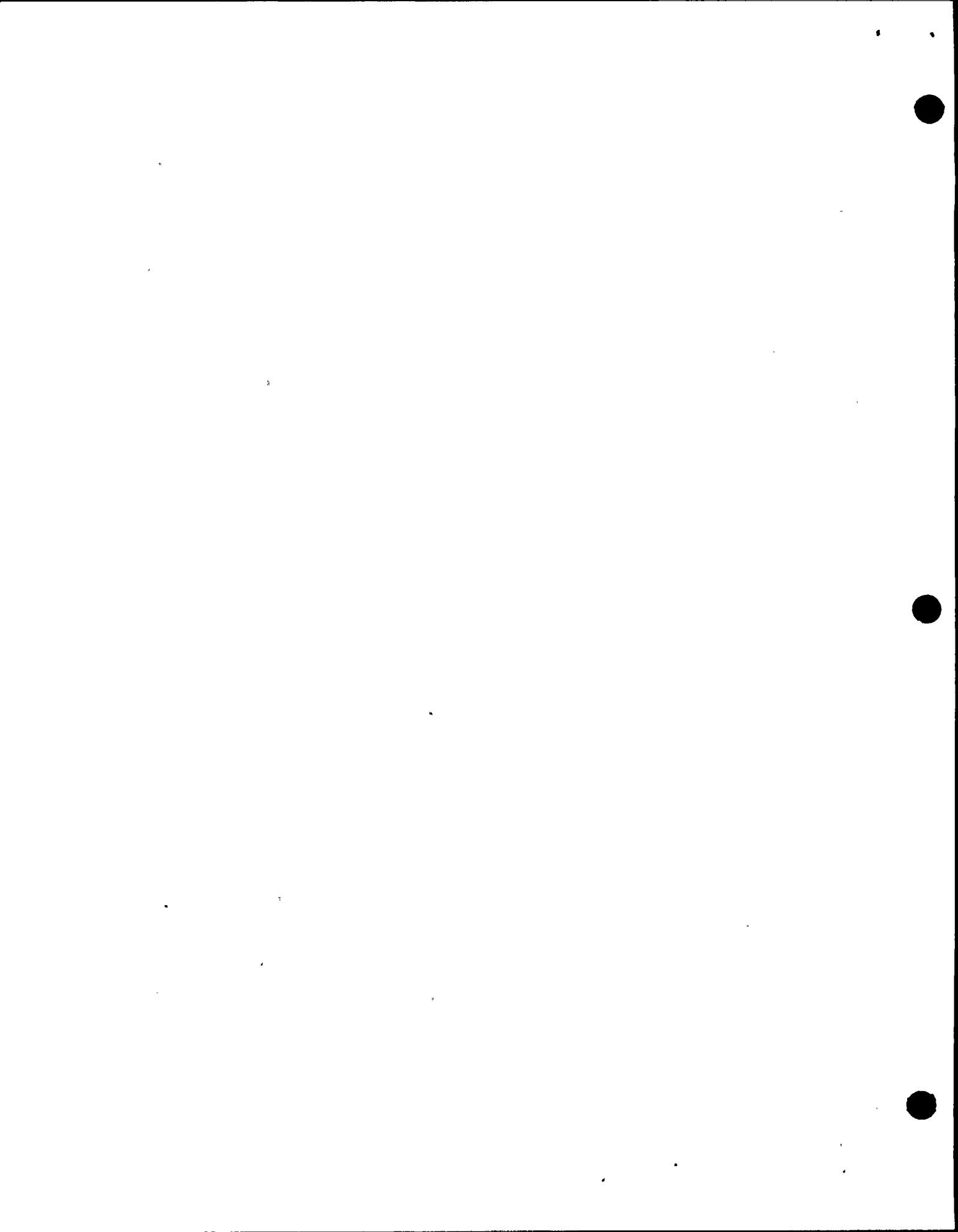
Areas examined during this inspection are described in the Office of Inspection and Enforcement Inspection Report which is enclosed with this letter. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations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



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

Sincerely,



Eldon J. Brunner, Chief
Reactor Operations and Nuclear
Support Branch

Enclosure:

Region I Inspection Report No. 50-220/75-25

cc: T. E. Lempges, General Superintendent, Nuclear Generation
T. J. Perkins, Station 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)

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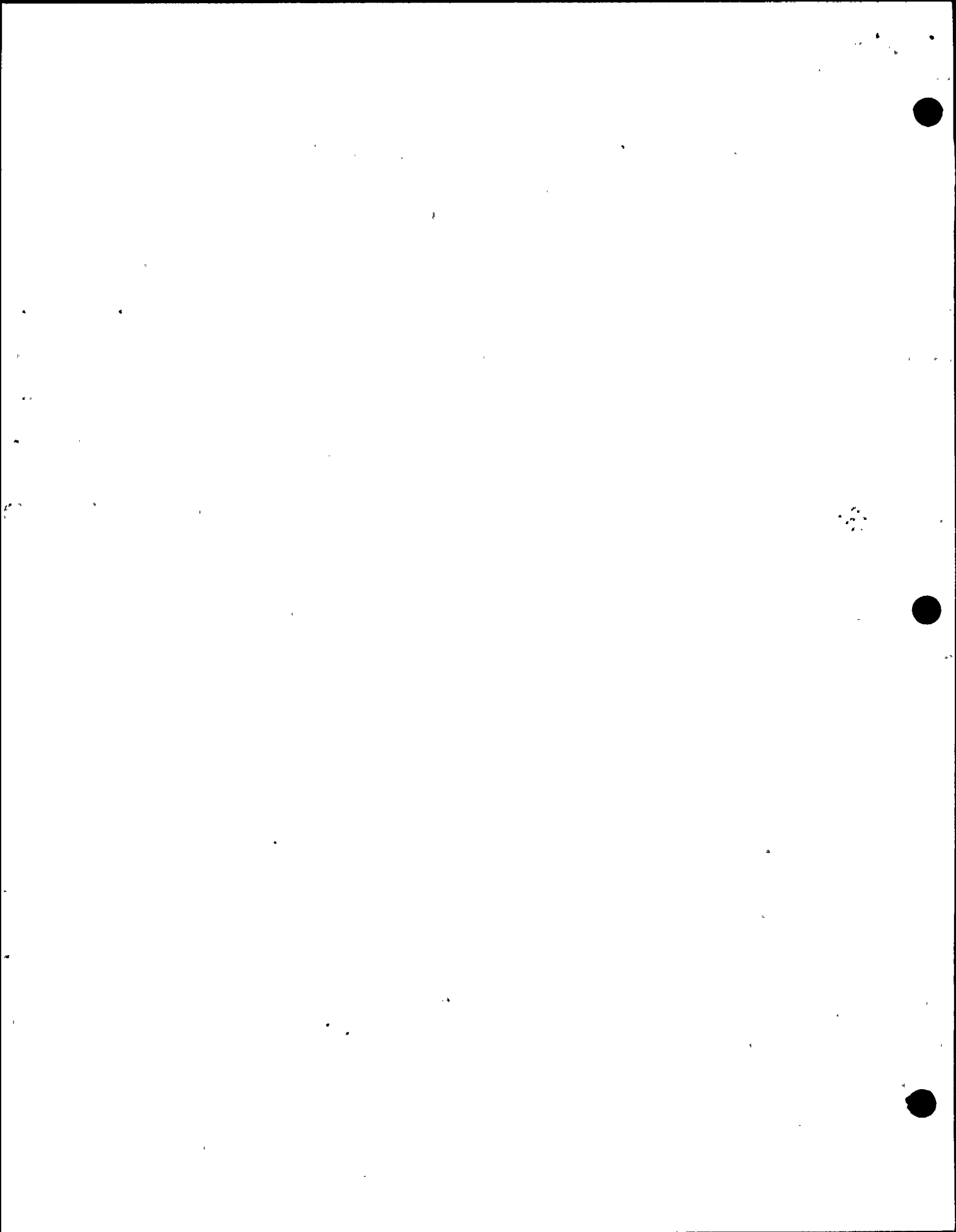
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REG:I Reading Room

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

Inspection Report No: 50-220/75-25

Docket No: 50-220

Licensee: Niagara Mohawk Power Corporation

License No: DPR-17

300 Erie Boulevard, West

Priority: _____

Syracuse, New York 13202

Category: _____

Safeguards
Group: C

Location: Nine Mile Point 1, Oswego, New York

Type of Licensee: 1850 MWe, BWR (GE)

Type of Inspection: Special, Unannounced

Dates of Inspection: November 11-14, 1975

Dates of Previous Inspection: November 5-7, 1975

Reporting Inspector: T. Martin
T. Martin, Reactor Inspector

12/2/75
DATE

Accompanying Inspectors: None

DATE

DATE

DATE

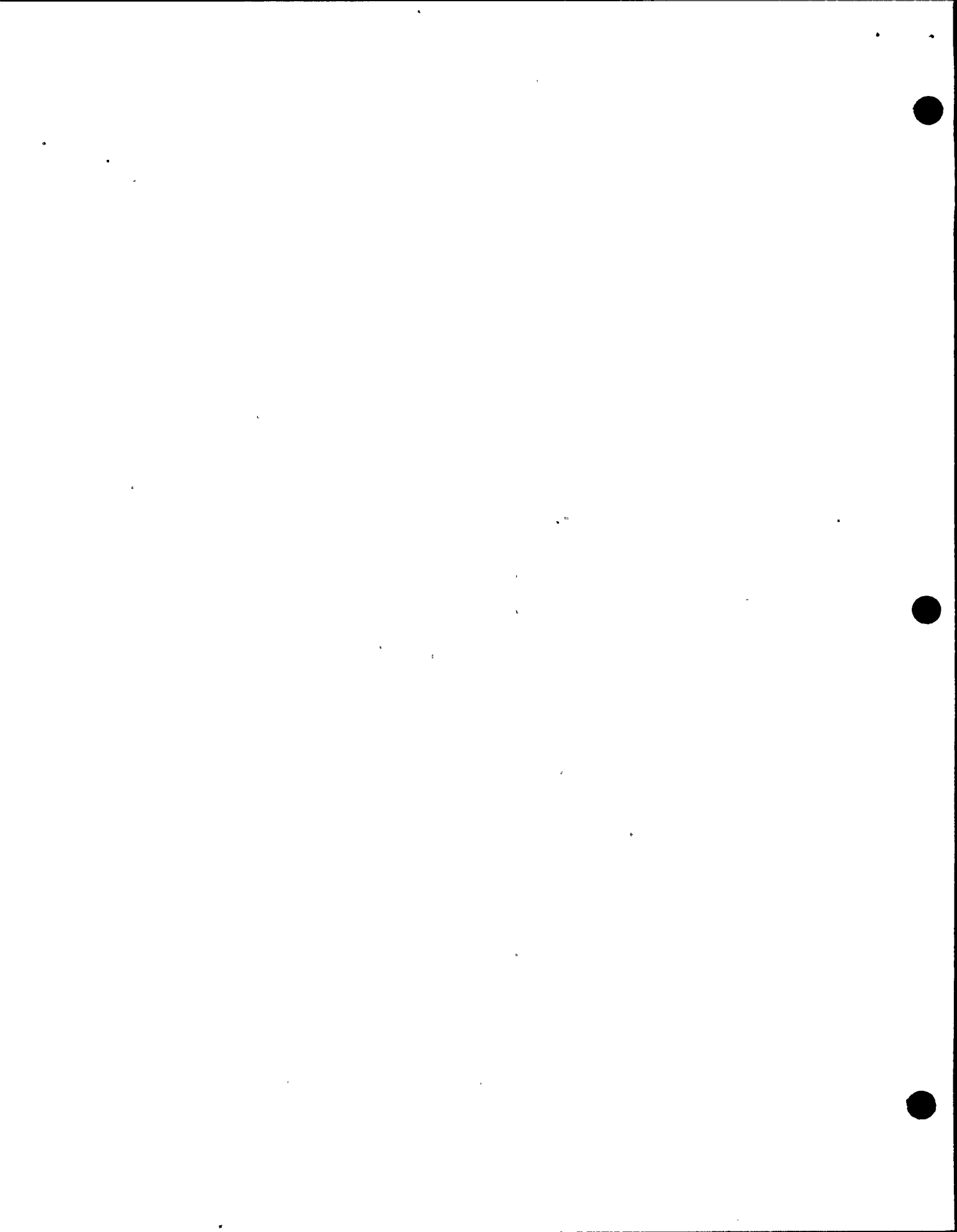
Other Accompanying Personnel: None

DATE

Reviewed By: E. C. McCabe Jr

12/3/75
DATE

E. C. McCabe, Nuclear Support Section Leader
Reactor Operations Branch



SUMMARY OF FINDINGS

Enforcement Action

None

Other Significant Findings

A. Current Findings

1. Unresolved Items

These are items for which more information is required in order to determine whether the items are acceptable or Items of Non-compliance.

- a. CILRT Test Logs (Detail 2.b)
- b. CILRT Prerequisites. (Detail 2.c)
- c. CILRT Computer Program. (Detail 3.)
- d. CILRT Results Review. (Detail 4.)
- e. Circle Seal Valves. (Detail 5.)
- f. Containment Spray Heat Exchanger. (Detail 6.)

B. Status of Previously Unresolved Items

Not Inspected

Management Interview

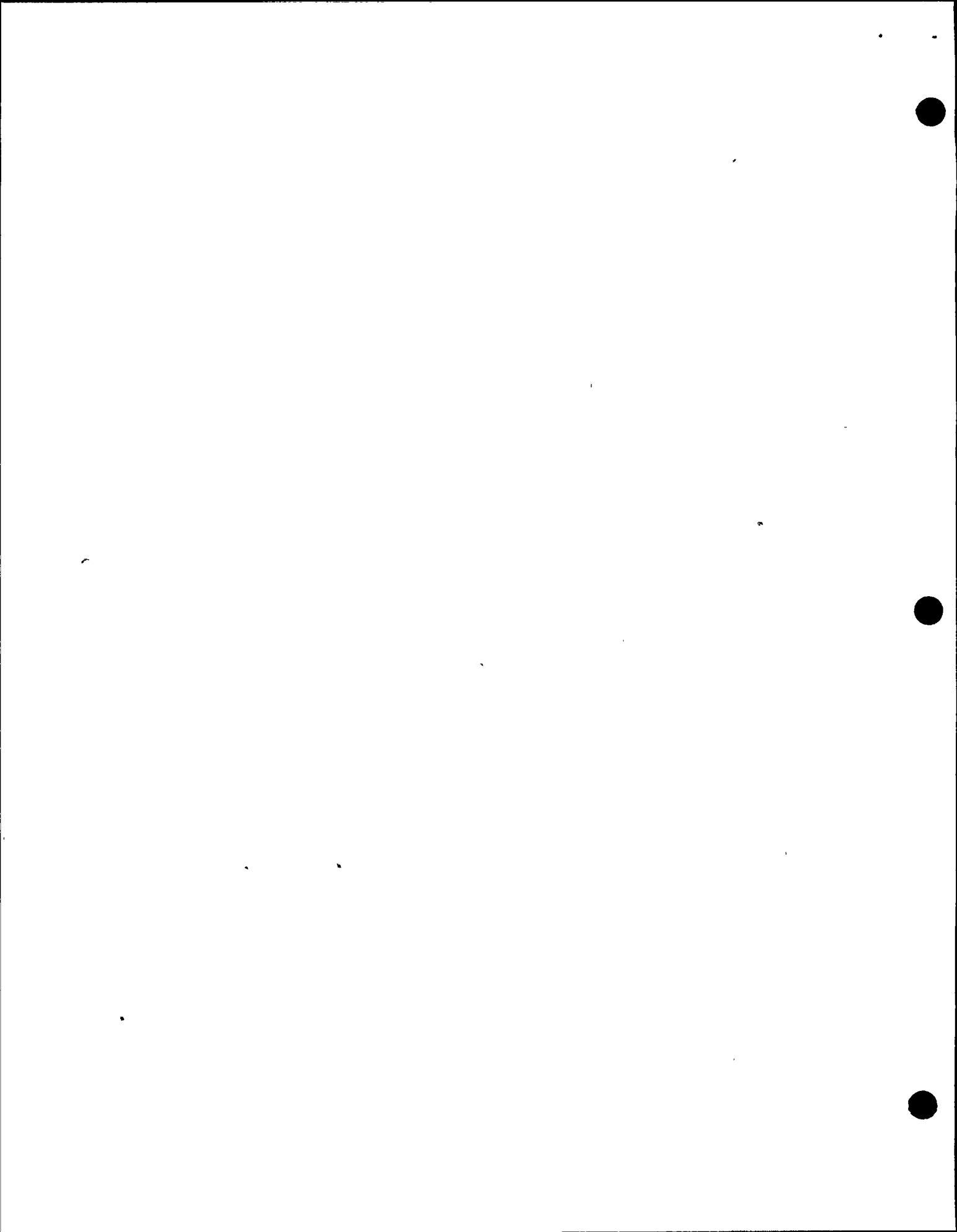
A management interview was held at the site on November 14, 1975.

Persons Present

Mr. T. Lempges, Site General Superintendent
Mr. T. Perkins, Station Superintendent
Mr. M. Silliman, Site Results Supervisor

Items Discussed

- A. Containment Leak Rate Test Performance. (Detail 2.)
- B. Future CILRT Plans. (Detail 4.)



DETAILS

1. Persons Contacted

Mr. R. Baker, Site Maintenance Supervisor
Mr. L. Bollin, Site Instrumentation and Control Supervisor
Mr. R. Coles, Test Supervisor
Mr. B. Delfavero, Technician
Mr. T. Dente, Site Reactor Analyst Supervisor
Mr. T. Lempges, Site General Superintendent
Mr. C. Lilly, Station Shift Supervisor
Mr. P. Momeau, Test Supervisor
Mr. T. Perkins, Station Superintendent
Mr. J. Shea, Station Shift Supervisor
Mr. G. Shelling, Test Supervisor
Mr. M. Silliman, Site Results Supervisor
Mr. B. Taylor, Assistant Instrumentation and Control Supervisor

2. Containment Integrated Leak Rate Test Performance

The inspector witnessed portions of the performance of the second attempt to satisfactorily complete a Containment Integrated Leak Rate Test (CILRT). An earlier attempt had been aborted due to excessive leakage. The following items resulted from that observation.

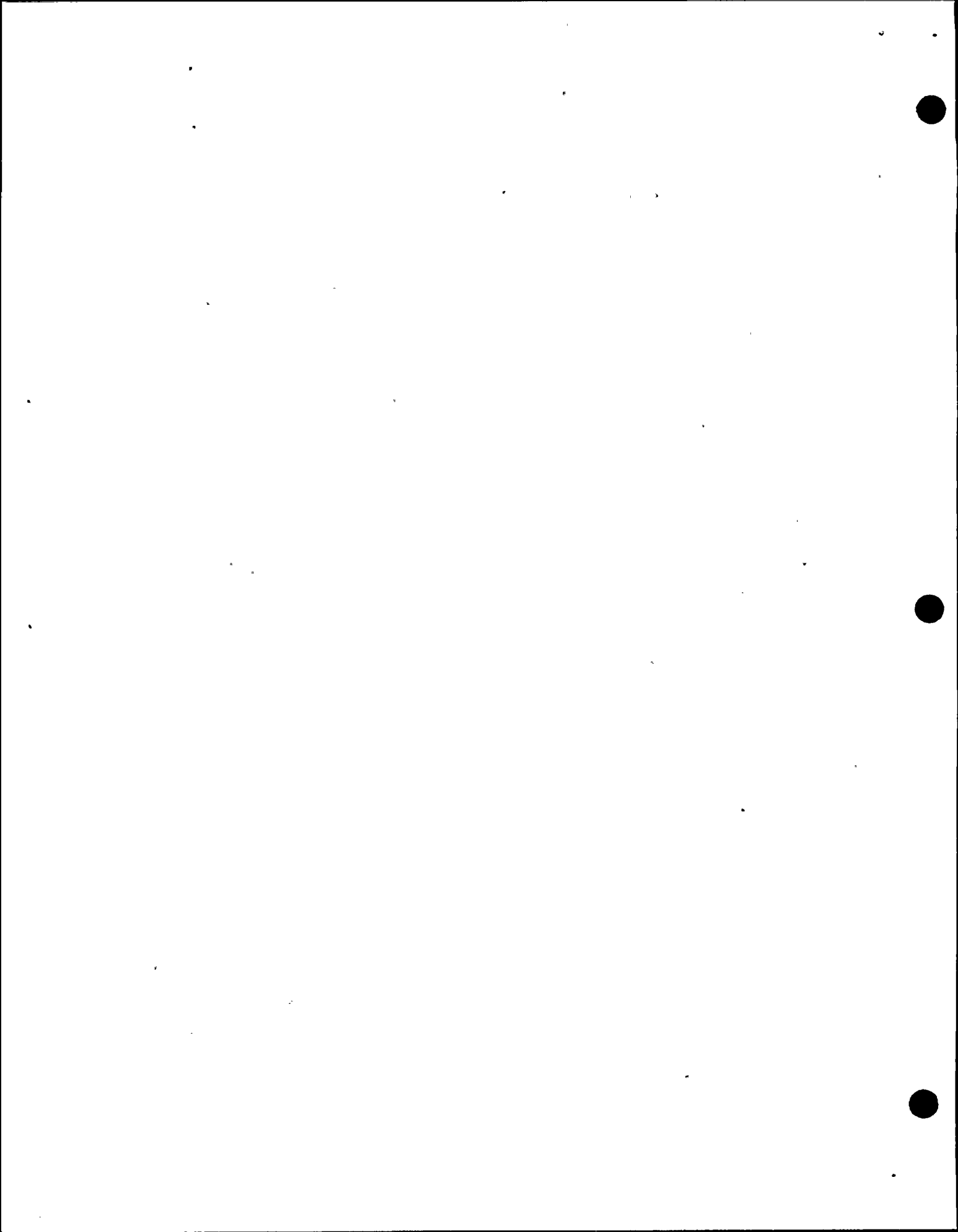
a. Dew Point Measurement

The inspector observed a technician recording test data and noted no delay in switching between containment sensing points for the single dew point measuring device. When the inspector questioned this practice, he was informed that the technician should be delaying at least 10 minutes after switching sensing points before taking his readings.

This error in procedure was corrected and the inspector had no further questions on this item.

b. Test Log

The inspector periodically reviewed the Test Supervisor's Log. On two separate instances the log was not found up to date. In both cases, the Test Supervisor had not been relieved, and the log was brought up to date before the relief occurred.



c. Test Prerequisites

The inspector reviewed the Master Copy of the Integrated Leak Rate Test of Primary Containment procedure, and determined that some prerequisite steps were not signed off. Investigation showed these steps referred to check-off sheets containing items not able to be completed until the test was run.

Following a subsequent commitment to re-perform the entire test procedure, the inspector informed the licensee that re-verification of prerequisites would be inspected. This item is unresolved.

d. Dew Point Instrument Failure

The inspector reviewed the printout from the CILRT computer program and noted a condition for exceeding 100% Relative Humidity. The condition was questioned and justification was sought. Examination of the Dew Point measuring instrument indicated a failure may have occurred. A backup test of the containment atmosphere using an Electric Hygrometer confirmed that the instrumentation was faulty.

Subsequent to this latter finding, the licensee committed to performance of a third CILRT, in recognition that the data from the second test was unusable. The inspector had no further questions on this item.

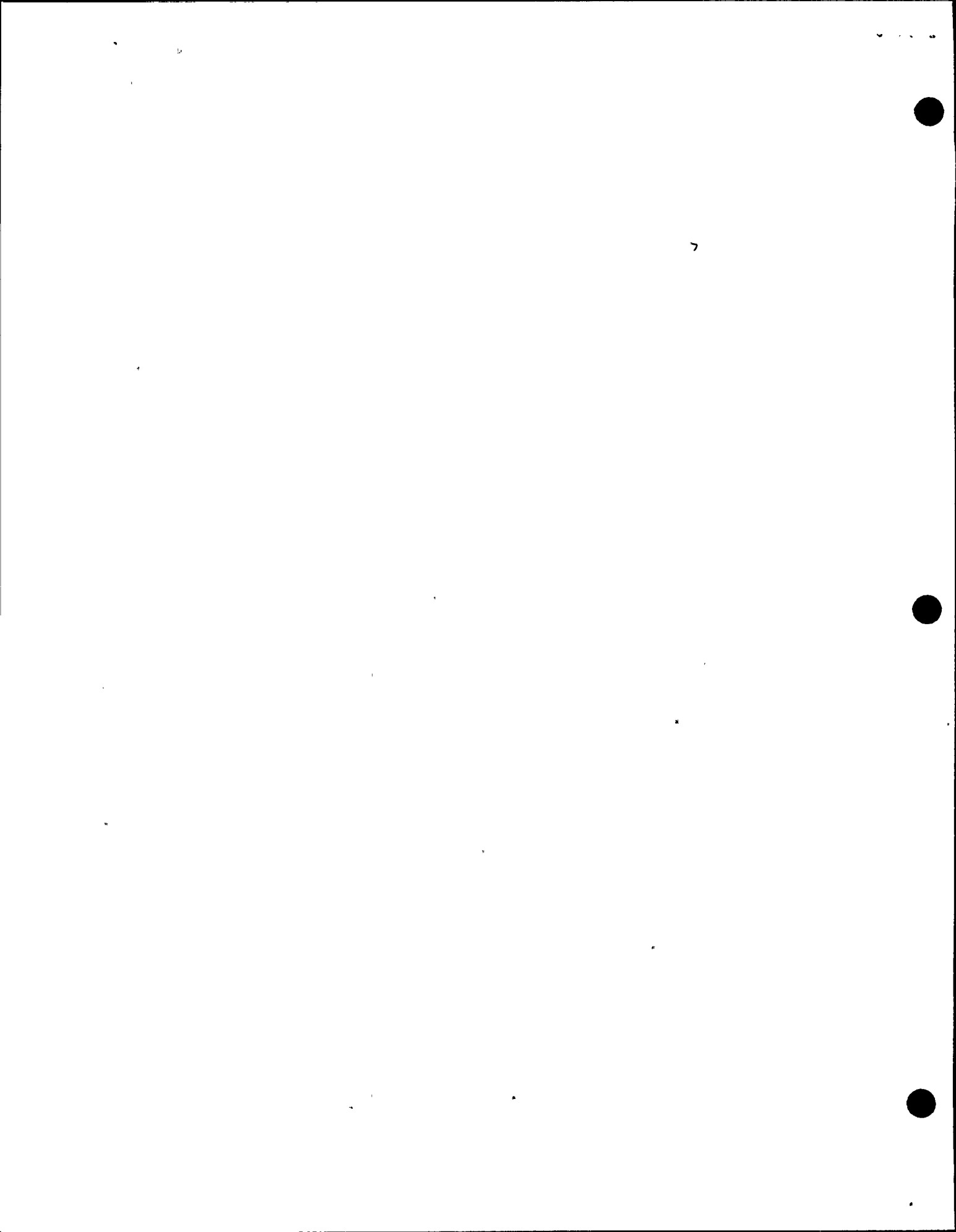
3. CILRT Computer Program

The inspector reviewed the licensee's computer program to determine how the provisions of Appendix J to 10 CFR 50 and the American National Standard N45.4-1972 were met.

a. Temperature Averaging

The inspector noted that the volume fractions, used for weighing the different Resistance Temperature Detector (RTD) measurements, were proportional to the volumes occupied by the CILRT reference vessel in each region versus the volumes of the containment monitored by each RTD.

The licensee has agreed to correct this error and this item is unresolved.



b. Volume

The inspector noted that the drywell volume used in the calculations was not consistent with the volume tabulations of the CILRT procedure, figure 1C-23-4.

The licensee has agreed to rectify the inconsistency and this item is unresolved.

c. Vapor Pressure Curve Fit

The inspector noted that the linear curve fit used by the program to convert dew point temperatures to vapor pressure of water was not sufficiently accurate.

The licensee agreed to reduce the range of the linear curve fit to one degree increments to obtain the necessary accuracy. This item is unresolved.

d. Confidence Interval Bias

The inspector noted that the Student t-Distribution factor used to convert the Linear Least Squares Fit Standard Error of Confidence to a 95% Confidence Interval was incorrect. The factors used appeared to be those for a 90% Confidence Interval.

The licensee agreed to correct this error. This item is unresolved.

e. Failed RTD's

The inspector noted that four RTD's were out of service and assigned a zero weighing factor for computing an average containment temperature (1d, 2c, 6; and 8c). The inspector questioned the effect on the accuracy of the computed average containment temperature.

The licensee has agreed to address this subject in his final test results report. This item is unresolved.

4. CILRT Rerun

The licensee informed the inspector that a complete rerun of the CILRT procedure would be performed. This would include the Reference Vessel Leak Check (before and after), the Integrated Leak Rate Test, and the Pump Back Verification Test.

The inspector informed the licensee that the records and results of that test sequence would be the subject of a subsequent inspection. This item is unresolved.



5. Circle Seal Valves

The inspector reviewed a rough draft of the 11/10/75 Site Operating Review Committee meeting minutes. The question of the acceptability of the Containment Oxygen Sample Line Circle Seal Valves had been raised, since their operating and proof test pressure were not known to be less than the design basis accident containment peak pressure.

The question had been referred to the Engineering Department for resolution since the burst pressure could not be determined on site. This item is unresolved.

6. Containment Spray Heat Exchanger

The initial failure of the CILRT was attributed to Containment Spray Heat Exchanger tube leaks. Fifteen additional tubes had to be plugged prior to the start of the second CILRT. The inspector questioned whether a safety evaluation of the reduced flow area in the Heat Exchanger had been performed.

The licensee informed the inspector that an evaluation was being made. This item is unresolved.

