

FEB 26 1986

Docket No. 50-247

Commonwealth Edison Company
ATTN: Mr. Coredeell Reed
Vice President
Post Office Box 767
Chicago, IL 60690

Gentlemen:

Subject: NRC Independent Measurements

The NRC will perform an independent verification inspection during the period March 31 through April 11, 1986, at Dresden Station, Unit 3, using the NRC Nondestructive Examination (NDE) van and contractor technicians under NRC direction. The NDE van is expected to be onsite during the period March 27 through April 11, 1986. The replacement piping system welds will be re-examined on two sampling bases as a supplement to our current inspection program. Similar nondestructive examinations have been conducted by the NRC at other operating facilities.

The inspection will consist of required piping mode fabrication and installation examinations and review of quality documentation. The NRC staff will work closely with your staff to develop a work schedule that will minimize our impact on your outage schedule. We anticipate we will require six hours for three nights, distributed over the period, of containment access to perform radiography. During the performance of radiography, we will require restricted personnel access to containment for radiological safety purposes.

You should prepare and transmit, to the attention of Harry W. Kerch, Region I, a list of required information necessary for the NRC Team to obtain access to the Dresden Station. NRC Region III will select the welds for examination. Please supply the weld data packages of those welds.

Members of your staff will be kept informed of our inspection effort and significant findings. An exit meeting with you or members of your staff will be conducted at the close of the inspection, in accordance with our normal procedures.

The evaluation of examination results and preparation of an inspection report will be completed and the results of the inspection will be transmitted to you through the standard NRC inspection report.

Sincerely,

Original Signed by J. J. Harrison
J. J. Harrison, Chief
Engineering Branch

SEE ATTACHED DISTRIBUTION LIST

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Attachments:

FEB 26 1986

- A. Data Packages
- B. Supplemental NDE
 Van Information
- C. Scope of Inspection

cc w/attachments:

- D. L. Farrar, Director
 of Nuclear Licensing
- D. J. Scott, Plant Manager
DCS/RSB (RIDS)
- Licensing Fee Management Branch
- Resident Inspector, RIII
- Phyllis Dunton, Attorney
 General's Office, Environmental
 Control Division
- J. Durr, RI

RIII
DFH
 Jn Key/lc
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RIII
DFH
 Danielson
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RIII
DLB
 Boyd
 2-26-86

RIII
DA
 Harrison
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ATTACHMENT A

DATA PACKAGES

After the welds have been selected by the NRC Region III Inspector for NDE inspection, we request that you prepare two packages containing the following on each weld.

Inspection Report
Weld History (QC History)
Material Certifications for Base Materials
Weld Wire Certifications
Piping Drawings, Isometric of Weld Locations
NDE Reports on all NDE Performed
NDE Procedures for RT, PT, MT and VT
Weld Procedures
Bolt Torquing Procedures (Structural and
Pipe Hangers)
Piping and Installation Procedure (Only Section
that Specifies Code and Addenda)

The assembled packages should be forwarded to:

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 Roosevelt Road
Glen Ellyn, Illinois 60137
ATTN: William J. Key

The welds identified below have been selected by Region III for radiographic examination:

Weld No. ISO-01F
Weld No. LPB-08F

Weld No. RRA-22F
Weld No. RRB-06F

Weld No. SDA-01F
Weld No. RRB-15F

Welds for ultrasonic, liquid penetrant, and magnetic particle examination will be selected so as not to interfere with scheduled activities.

ATTACHMENT B

SUPPLEMENTAL NDE VAN INFORMATION

1. NDE Van Support Requirements

We request that the NRC-NDE van be positioned as near as practicable to the containment area entrance to facilitate the performance of inspections.

- a. The van requires the following connections while sited at your facility:
 - Site water with a garden hose connection - this water is for film rinse.
 - Requirement for film rinse water drain (continual). No chemical disposal will occur from the van without prior concurrence from appropriate licensee personnel. At the end of the independent inspection, the NRC needs to dispose of the film developing chemicals prior to moving the van from the site.
 - Two 30 amp, 110 volt circuits are required for operation of the van.
- b. The van will contain PT and MT approved materials. The team will need two rolls of your chemically approved tape and two approved markers for identifying welds and marking weld areas.
- c. It will be necessary for you to remove the paint, rust or other material that could interfere with PT or MT on the selected welds. Also, we will need scaffolding erected and insulation removed for access.

2. Administrative Information

- a. The radiation source will be a nominal 100 curie IR-192 source. This source is licensed by NRC, but owned by the NRC contractor.
- b. The names of the NRC and contractor NDE personnel will be supplied to you by Region I. Clearance for these personnel is necessary.
- c. We request that you hold a mini-radiation safety training course for the NRC NDE personnel. This course should familiarize the personnel with your facility and procedures and should not exceed two hours in length.
- d. A camera site pass will be needed for a Canon AE-1, 35mm, camera, Serial No. 1969401.
- e. The NDE personnel will be using 5 watt Motorola radios on the site; the frequency used by the NRC is 165.6625 MHz.

ATTACHMENT C
SCOPE OF INSPECTION

The NDE van team will perform the following examinations and inspections as appropriate:

Radiography:

Pipe butt and socket welds and other appropriate pressure boundary components.

Ultrasonics:

Flaw detection and material thickness measurements, as appropriate, of piping, welds, structural components, vessels, heat exchangers, bolts and other equipment.

Liquid Penetrant:

Piping system components and structural elements.

Magnetic Particle

Piping system components and structural elements.

Visual Examinations:

Weld quality and configuration verification of piping and structural systems.

Quality Records Review:

Welding documentation, materials and personnel certification, NDE records to include radiographs.