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UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406
January 22, 1974

Those Listed Below:

ABNORMAL OCCURRENCES IN PIPING SYSTEMS

The enclosed RO Information Request (Enclosure 1) and sample instruction letter (Enclosure 2) were forwarded to the licensees listed in Enclosure 3.

James P. O'Reilly
James P. O'Reilly
Director

Enclosures:

1. RO Information Request No. 74-1
2. Sample Letter
3. List of Licensees receiving RO Information Request No. 74-1

DISTRIBUTION: w/Addressee List

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PDR ADOCK 05000220
Q PDR

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SAMPLE LETTER

Gentlemen:

The enclosed Directorate of Regulatory Operations' Information Request No. 74-1 is sent to you for response. Please submit your reply within thirty (30) days of the date of this letter to this office with a copy to the Assistant Director for Construction and Operation, Directorate of Regulatory Operations, U. S. Atomic Energy Commission, Washington, D. C. 20545.

Very truly yours,

James P. O'Reilly
Director

Enclosure:
RO Information Request No. 74-1

LIST OF LICENSEES

Boston Edison Company Attention: Mr. M. J. Feldmann, Vice President Director of Operations & Engineering 800 Boylston Street Boston, Massachusetts 02199	Docket No. 50-293
Connecticut Yankee Atomic Power Company Attention: Mr. D. C. Switzer President P. O. Box 270 Hartford, Connecticut 06101	Docket No. 50-213
Consolidated Edison Company Attention: Mr. William J. Cahill, Jr. Vice President 4 Irving Place New York, New York 10003	Docket Nos. 50-3 50-247
Jersey Central Power & Light Company Attention: Mr. I. R. Finfrock, Jr. Vice President - Generation Madison Avenue at Punch Bowl Road Morristown, New Jersey 07960	Docket No. 50-219
Maine Yankee Atomic Power Company Attention: Mr. Wendell Johnson Vice President 20 Turnpike Road Westboro, Massachusetts 01581	Docket No. 50-309
Millstone Point Company Attention: Mr. D. C. Switzer President P. O. Box 270 Hartford, Connecticut 06101	Docket No. 50-245
Philadelphia Electric Company Attention: Mr. John L. Hankins Vice President, Electric Operations 2301 Market Street Philadelphia, Pennsylvania 19101	Docket Nos. 50-171 50-277
Niagara Mohawk Power Corporation Attention: Mr. R. R. Schneider Vice President, Electric Operations 300 Erie Boulevard West Syracuse, New York 13202	Docket No. 50-220

Rochester Gas & Electric Corporation
Attention: Mr. Keith W. Amish
Senior Vice President
Electric & Steam
89 East Avenue
Rochester, New York 14649

Docket No. 50-244

Vermont Yankee Nuclear Power Corporation
Attention: Mr. D. E. Vandenburg
Vice President
20 Turnpike Road
Westboro, Massachusetts 01581

Docket No. 50-271

Yankee Atomic Electric Company
Attention: Mr. L. E. Minnick
Vice President
20 Turnpike Road
Westboro, Massachusetts 01581

Docket No. 50-29

ENCLOSURE

Directorate of Regulatory Operations
Information Request No. 74-1

ABNORMAL OCCURRENCES IN PIPING SYSTEMS

The AEC has received notification of recent occurrences at the Indian Point 2 and San Onofre reactors which have resulted in damage to piping or piping hanger systems inside containment. Previously, reports of events resulting in unanticipated movement or damage to piping and hanger systems both inside and outside containment involving reactors of both PWR and BWR types have been received from licensees. These occurrences suggest that a pattern of events may be occurring which at individual facilities appear to be isolated events, but which in fact may have a common cause or causes and be generic in nature.

It is possible that licensees have experienced other occurrences which may not have been of sufficient severity to have caused system damage, and may not have been considered reportable to the AEC under existing reporting requirements. To permit evaluation of these events for generic implications and the identification of possible common causes, information is requested regarding any event, condition, malfunction or operating error which has been observed or experienced at your facility since plant startup relating to the following:

1. Anomalous and excessive vibrations of piping and/or components in Quality Group A and B systems as defined in Regulatory Guide No. 1.26.
2. Unanticipated pipe, component or structural displacements, plastic deformations, or damage to Quality Group A and B pipe or component support systems.
3. Malfunctions of control systems or components which resulted in the imposition of unanticipated dynamic forces upon Quality Group A or B piping systems or components.

With respect to each event identified above, the following information is requested:

1. The causes and operational sequences relevant to the condition or event.
2. The corrective actions taken, such as replacement or modification of malfunctioning components, or the addition or modification of piping system restraints, to prevent the recurrence of the event.

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In addition to the above items of interest there is another matter which may be related to events of the type under consideration. The AEC has learned of the existence at several PWR facilities of bulges in containment liners at locations adjacent to containment piping penetrations. To our knowledge these bulges have not affected containment integrity but their cause and significance are still being evaluated. To assist in further evaluation of this problem, please include in your response to this request information on any containment liner bulges observed at your facility that exceed the limits accepted following construction.