

CONTROL NO: 2248

FROM: Iowa Elec. Light & Power Co Cedar Rapids, Iowa 52406 C. W. Sandford	DATE OF DOC: 4-19-72	DATE REC'D 4-25-72	LTR X	MEMO	RPT	OTHER
TO: Mr. Boyd	ORIG 1	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS: <u>U</u> / PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331			

DESCRIPTION:
Ltr re our ltr dtd 3-13-72 & their 4-7-72 ltr regarding evaluation of forces involved in DAEC Torus due to normal Reactor coolant system Blowdown.....

ENCLOSURES:

**DO NOT REMOVE
ACKNOWLEDGED**

FOR ACTION				4-26-72	AB
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| 1 - ASLB (Vore/Woodard "H" St) | <input checked="" type="checkbox"/> 16 - Holding for ACRS | 1 - Chief Water Reactor |
| 1 - C. Miles, C-459, GT | 1 - R. Catlin, A-170, GT | 2 - Warren Nyer |
| 9 - National Laboratories (ANL/DRL/BNL) | 1 - Consultant (Newark/Blum/Agobian) | |

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

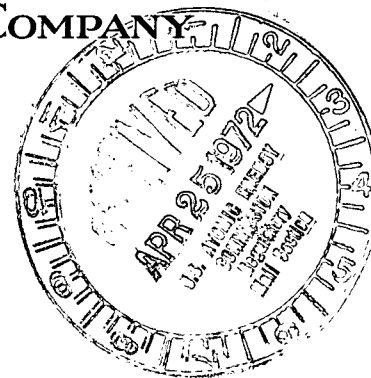
CEDAR RAPIDS, IOWA

April 19, 1972

IE-72-193

C. W. SANDFORD

VICE PRESIDENT



Mr. Roger S. Boyd
 Assistant Director for Boiling Water Reactors
 Division of Reactor Licensing
 U. S. Atomic Energy Commission
 Washington, D.C.

Re: Duane Arnold Energy Center
 Subject: Relief Valve Discharge Line
 File: A-104

Dear Mr. Boyd:

~~50-381~~ 50-381

Reference is made to your letter of March 13, 1972 and our initial reply of April 7, 1972, discussing the dynamic effects of relief valve blowdown into the suppression pool.

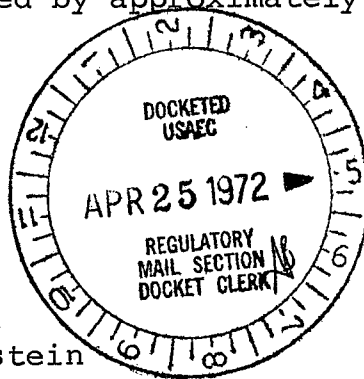
We are making a detailed evaluation of the forces involved in the DAEC torus due to the normal reactor coolant system blowdown through the relief valve discharge lines and the resultant effects of these forces.

Because of the design similarity between the Monticello plant piping configurations and the DAEC (with the exception that we do not have baffles), and principally to prevent erosion of the torus coating near these lines, we will be proposing a modification similar to that used at Monticello. In this modification the discharge pipe is extended to the lower center of the torus pool and a "rams head" type tee is installed so that the discharge is in two directions parallel to the torus center line.

We expect to have the detailed analysis of this modification completed by approximately June 1, 1972.

Very truly yours,

C. W. Sandford
 C. W. Sandford
 Vice President



JNW:CWS:jm

cc: D. Arnold
 R. Lowenstein

2248

LB