

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9008230221      DOC. DATE: 90/08/17      NOTARIZED: NO      DOCKET #  
FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow      05000331  
AUTH. NAME      AUTHOR AFFILIATION  
BLOOD, C.      Iowa Electric Light & Power Co.  
RECIP. NAME      RECIPIENT AFFILIATION  
                         Document Control Branch (Document Control Desk)

SUBJECT: Forwards summary of changes omitted from 900814 transmittal of emergency planning documents.

DISTRIBUTION CODE: A045D      COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 7  
TITLE: OR Submittal: Emergency Preparedness Plans, Implement'g Procedures, C

### NOTES:

	RECIPIENT		COPIES		RECIPIENT		COPIES	
	ID CODE/NAME		LTTR	ENCL	ID CODE/NAME	LTTR	ENCL	
	PD3-3 PD		1	1	HALL, J.R.	1	1	
INTERNAL:	AEOD/DOA/IRB		1	1	NRR/DREP/PEPB9D	1	1	
	NUDOCS-ABSTRACT		1	1	<del>REG FILE</del>	1	1	
EXTERNAL:	LPDR		1	1	NRC PDR	1	1	
	NSIC		1	1				

*may*

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 9 ENCL 9

R  
I  
D  
S  
/  
A  
D  
D  
S  
/  
A  
D  
D  
S

Iowa Electric Light and Power Company

August 17, 1990

NEP-90-0410

Document Control Desk  
Nuclear Regulatory Commission  
Washington, DC 20555

Re: Duane Arnold Energy Center  
Subject: Transmittal of Emergency Planning Documents  
Reference: Letter NEP-90-0404 dated August 14, 1990 from P. Serra to NRC  
File: A-304

To Whom It May Concern:

The referenced letter accompanied transmittal of the Duane Arnold Energy Center Emergency Plan for your approval.

We omitted sending the Summary of Changes with that letter and those are now enclosed for your review.

Sincerely,



Chris Blood  
Emergency Planner

CB/kdb

cc: NRC Region III (2)  
NRC Resident Inspector

9008230221 900817  
PDR ADOCK 05000331  
F PIC

00034

## Summary of Changes (DAEC Plan)

Pg i

Added signature for Manager, Quality Assurance.

Pg A-5

Deleted Appendix 2 - Bechtel & GE letters of agreement.

Pg A-8

Added "Letters of Agreement with each of the organizations are kept on file in Emergency Planning in the IE Tower."

Pg B-14

Table B-1 - For the Task Area of Offsite Surveys, staffing entry for 30 minute response category has been changed from "1" to "2" to achieve consistency with NUREG-0654, Table B-1 requirements. Proper staffing level of 2 - 30 minute responders has historically been satisfied by assignment of a DAEC staff member to accompany an HP Technician in the formation of an offsite survey team.

Table D-2 (Attachment 2 from EPIP 1.1)

Reorganized EALs under new categories EOP Entry (1, 2 & 6), Radiological (EOPs 3 & 4) & Other Emergencies.

Table D-3 (Attachment 1 from EPIP 1.1)

Added.

Pg H-23, Figure H-10

Replaced old map with new map with clearer directions to ORAL/ODEF.

Pg 6-3

Clarified definition of Ingestion Pathway EPZ.

## **Attachment 1, A-18, B-14 & C-12**

Changed A-18 from "Cedar River flow less than 200 CFS as measured by the 8th Ave Bridge (Cedar Rapids) USGS Monitoring Station. Monitored daily by Nuclear Licensing." to read, "Cedar River flow less than 200 CFS as measured by the 8th Ave Bridge (Cedar Rapids) USGS Monitoring Station and river level less than 727 feet at the Intake Structure. Flow monitored daily by Nuclear Licensing".\*

Added: **\*\*NOTE: If the cause of low river flow, as measured in Cedar Rapids, is misoperation of either the Cedar Rapids Hydro Facility dam or flow gage, adequate river flow at the DAEC can be verified by observation of river flow and height at the intake structure and determination of river flow rates in Waterloo. If a malfunction of the dam or flow gage is suspected, contact Nuclear Licensing.\*\***

## **Attachment 2, Pg 1 of 15, A1**

Under "Other possible indications"

to "TR-4383A, B & C on 1C29.." added "..or TIA-4386 on 1C03."

## **Attachment 2, Pg 1 of 15, B1**

Under "or Unexplained Containment Air Temperature Increase as indicated by..."

Added "c) TIA-4386 on 1C03."

## **Attachment 2, Pg 1 of 15, C1**

Under "ECCS systems and other available makeup capacity..."

Corrected "LI-4565, LR-4566 on 1C03" to "LI-4565A, LI-4565B, LR-4565A, LR-4565B on 1C03."

## **Attachment 2, Pg 2 of 15, D1**

Under "or RPV level less than +46.5" as indicated on...."

Corrected "LI-4565 & LR-4566" to "LI-4565A, LI-4565B, LR-4565A, LR-4565B.."

**Attachment 2, Pg 3 of 15, B2**

Corrected "Main Steam Line Rad Monitors RC 4448A,B,C,D 1C36 and RR-4448 on 1C02." to "Main Steam Line Rad Monitors RM-4448A, B, C, D 1C36 and RR-4448 A/B on 1C02."

**Attachment 2, Pg 4 of 15, A6**

Corrected "ADS Safety Valve Leaking" to "SRV/SV Tailpipe Hi Press/Hi Temp or Bellows Failure."

Added "And/or amber light on for any SRV or SV on 1C03."

Under "Other Possible Indications"

To "Increasing Torus Water temperature as indicated on TR-4386A/B on 1C29..."

**Attachment 2, Pg 4 of 15, A6 (continued)**

Added "TIA-4325, Pen 1 VR-4325 on 1C03."

To "Increasing Torus Water level as indicated on LR-4384 and 4385 on 1C29.."

Added "LI-4397A/B on 1C03".

To "Increasing Containment pressure as indicated on..."

Added "c) PI-4396 C/D".

To "Increasing Drywell temperature as indicated on TR-4383A, B, C

Added "TIA-4386 on 1C03".

**Attachment 2, Pg 5 of 15, A10**

Under "Other Possible Indications"

Corrected " b) Continuity Loss of Squib Valve" alarm on 1C05".

To "SBLC Squib Valve Continuity Loss" alarm on 1C05".

**Attachment 2, Pg 6 of 15, D2**

Under "Containment pressure projected to exceed 56 psig as indicated on..."

Added "c) PI-4396C on 1C03"  
"d) PI-4396D on 1C03".

Added "...or TIA-4325/Pen 1 VR-4325 on 1C03".

Under "or Drywell temperature projected..."

Added "d) TIA-4386 on 1C03".

Under "and Potential exists for loss of ECCS due to.. a) Torus level decreasing as indicated on TR-4386A and B on 1C29"

Added "or Pen 2/3 VR-4325 on 1C03 or LI-4397 A/B on 1C03."

To b)...TR-4386A and B on 1C29.."

**Attachment 2, Pg 7 of 15, A12**

Under "and/or 1C05 Alarms"

Corrected to "and/or 1C09 Alarms"

Corrected "Containment Hi H2 and O2 Content A and/or Power Failure"  
to "'A' Containment Monitor Hi O2 Concentration".

Corrected "Containment Hi H2 and O2 Content B and/or Power Failure"  
to "'B' Containment Hi O2 Concentration".

Under "and/or" Torus level <40% or >60% on LR-4384, 4385 on 1C29"

Added "or Pen 2/3 on VR-4325 on 1C03".

Under "Other Items to Consider"

To "Drywell and Torus pressure as indicated on:"

Added "c) PI-4396 C/D on 1C03"  
"d) PI-4395 A/B on 1C03".

To "Drywell temperature as indicated on:"

Added "c) TIA-4386 on 1C03".

**Attachment 2, Pg 9 of 15, A4**

Under "Other Possible Indications on"

a) MSL Radiation Monitors RC-4448A, B, C & D.."

Corrected to "RM-4448A, B, C & D".

**Attachment 2, Pg 9 of 15, A5**

Under "Other Possible Indications

Increasing radiation levels as indicated on: a) MSL Radiation Monitors RC-4448A, B, C & D on 1C36..."

Corrected to "RM-4448A, B, C & D on 1C36".

**Attachment 2, Pg 9 of 15, B5**

Same as for A5.

**Attachment 2, Pg 10 of 15, B6**

Same as for A5.

**Attachment 2, Pg 10 of 15, C5**

Corrected "LI-4564 and LR-4566 (1C03)" to "LI-4565A/B and LR-4565A/B (1C03)."

**Attachment 2, Pg 12 of 15, C25**

To "Drywell monitor reading = Instrumentation RIM-9184A & B"

Added "on 1C09".

To "Torus monitor reading = Instrumentation RIM-9185A & B"

Added "on 1C09".

**Attachment 2, Pg 13 of 15, D10**

Same as for C25.

**Attachment 2, Pg 13 of 15, A16**

Correcting "Green Light" to "Amber Light".

**Attachment 2, Pg 13 of 15, B12**

Correcting "Yellow Light" to "Amber Light".

**Attachment 2, Pg 13 of 15, C10**

Correcting "Red Light" to "Amber Light".

**Attachment 2, Pg 14 of 15, C19**

Correcting "Fuel Pool Cooling Cleanup Filter Trouble" to "Fuel Pool Low Level".