

DEC 17 1976

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JShea  
Attorney, OELD  
OI&e (3)  
DEisenhut  
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JRBuchanan  
ACRS (16)

Docket No. 50-331

Iowa Electric Light & Power Company  
ATTN: Mr. Duane Arnold  
President  
Security Building  
P. O. Box 351  
Cedar Rapids, Iowa 52406

Gentlemen:

RE: Site Visit, Fire Protection Program Evaluation

Enclosed are (1) a description of our program for site visits, entitled "Site Visits - Fire Protection Program Evaluations" and (2) the proposed Agenda for this site visit at the Duane Arnold Energy Center. The Operating Reactors Project Manager will be in contact with your staff, after you have received this information, to discuss the schedule and any questions you may have.

Sincerely,

Original signed by  
George Lear, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Enclosures:

1. Information Sheet
2. Agenda

cc: Jack R. Newman, Esquire  
Harold F. Reis, Esquire  
Lowenstein, Newman, Reis and Axelrad  
1025 Connecticut Avenue, N. W.  
Washington, D. C. 20036

Cedar Rapids Public Library  
426 Third Avenue, S. E.  
Cedar Rapids, Iowa 52401

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OFFICE ➤	ORB #3	ORB #3	ORB #3			
SURNAME ➤	CParrish:mjf	JShea <i>JS</i>	GLear <i>GL</i>			
DATE ➤	12/ /76	12/16/76	12/16/76			

## SITE VISITS - FIRE PROTECTION PROGRAM EVALUATIONS

Site visits will be made in the course of our evaluation of fire protection programs. These visits will be made after the assigned review team has reviewed all docket material related to the fire protection program.

The purpose of this site visit is to give the review team direct knowledge of the arrangement of safety related equipment, fire hazards, and fire protection equipment. This visit will last one to two weeks depending on the size of the facility. It will follow the attached agenda.

The participants for NRR will include:

1. The three man review team (electrical, mechanical and fire protection engineers).
2. The Project Manager (at his option).
3. The Region Inspector (at his option).

The licensee should have personnel participating in these visits who are familiar with the plant and with their responses related to the fire protection program.

NOTE: This visit is to gather information for the review team. It does not substitute for an inspection by I&E; the staff will not discuss recommendations or deficiencies with the licensee.

The licensee should be prepared to briefly describe the plant layout with special emphasis of the locations identified in items 4 a and b of the agenda.

December 1, 1976

## AGENDA FOR SITE VISIT - FIRE PROTECTION

### 1. Introduction by NRC

- a. Purpose of Visit
- b. Method of Site Review

### 2. Comments by Licensee

- a. Any restrictions
- b. Brief description of plant layout

### 3. Administrative Controls

#### Discuss:

- a. Fire Protection Organization
- b. Fire Hazard Control
- c. Control of Ignition Sources
- d. Fire Brigade Organization and Training
- e. Plant Personnel Indoctrination
- f. Fire Fighting Plans
- g. Quality Assurance for Fire Protection
- h. Controls over Fire Protection Systems

### 4. Plant Review

#### a. Examine each of the following safety-related areas:

- (1) Control Room/Computer Room Area
- (2) Cable Spreading Room
- (3) Battery Rooms
- (4) Diesel Generator Rooms
- (5) Switchgear Rooms
- (6) Safety-Related Pump Areas
- (7) Fuel Building
- (8) Borated Water Storage Tank and Reactor Building Spray  
Chemical Additive Tanks
- (9) Containment (where accessible)

#### b. Examine other areas/hazards, including:

- (1) Turbine lubrication and control oil storage and use areas.
- (2) Diesel Fuel/Auxiliary Boiler Fuel Oil Storage Tanks
- (3) Radwaste Area
- (4) Decontamination Area
- (5) Records Storage Area

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- (6) Auxiliary Boiler Area
- (7) Fire Pump Areas
- (8) Oil Filled Transformers (Indoor and Out door)
- (9) Hydrogen - Storage, use, and processing areas

c. As applicable, the above areas will be examined for:

- (1) General conditions, congestion, and accessibility
- (2) Separation between redundant trays and conduits
- (3) Barriers and fire stops
- (4) Fire detection and suppression equipment
- (5) Ventilation Systems and controls
- (6) Floor drains
- (7) Communications equipment
- (8) Lighting
- (9) Combustible materials
- (10) Equipment protection from water damage
- (11) Ability to contain fire, or isolate from external fire
- (12) Means for containing oil spills
- (13) Means for detecting hydrogen accumulation or loss of ventilation (battery rooms)