

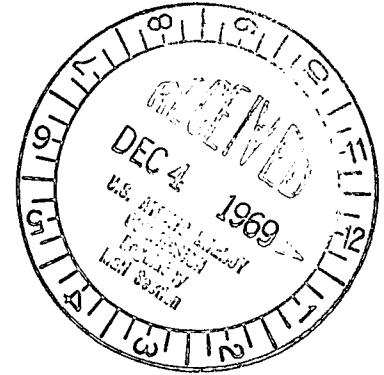
DATE OF DOCUMENT 11-25-69		DATE RECEIVED 12-4-69		NO.: 3758	
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ACTION NECESSARY <input type="checkbox"/>		CONCURRENCE <input type="checkbox"/>		DATE ANSWERED	
NO ACTION NECESSARY <input type="checkbox"/>		COMMENT <input type="checkbox"/>		BY:	
FILE CODE: 50-331 (INPUT)					
REFERRED TO		DATE		RECEIVED BY	
Knuth w/8 cys for ACTION		12-4-69			
DISTRIBUTION:					
Regulatory file AEC PDR					
Compliance (2) OGC (Rm P 506 A)					
H. Price & Staff Morris/Schroeder					
Boyd D. Thompson N. Dube				DO NOT REMOVE ACKNOWLEDGED	
				3758	

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA

November 25, 1969

DUANE ARNOLD
CHAIRMAN OF THE BOARD
AND PRESIDENT



Dr. Peter A. Morris
Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Regulatory

File Cy,

Re: Duane Arnold Energy Center
AEC Docket No. 50-331

Dear Dr. Morris:

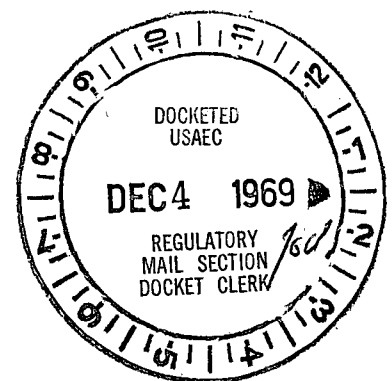
Pursuant to Sec. 50.12 of the Atomic Energy Commission regulations, we hereby request an exemption from the provisions of Sec. 50.10 (b) to allow us to begin certain work prior to issuance of a construction permit.

The scope of, and basis for, such exemption are set forth in further detail in the attachment to this letter.

Sincerely,

Duane Arnold
Chairman of the Board
and President

DA:bw



37589

REQUEST FOR EXEMPTION

November 25, 1969

Regulatory

File Cy.

Received w/Ltr Dated 11-25-69

In order that the construction of the Duane Arnold Energy Center - Unit 1 may continue on schedule, we hereby request, pursuant to Section 50.12 of AEC's regulations, an exemption from the provisions of Section 50.10(b) to allow us to begin certain work prior to issuance of a construction permit.

In addition to site excavation, installation of mud slabs, waterproof membrane and working mat, placing of forms and placing and splicing of reinforcing bars for the nuclear structures, and construction work on non-nuclear facilities, all of which are permitted under Section 50.10(b), we wish to proceed with the following:

1. Pouring of concrete for the foundation mats of the reactor building, including the HPCI structure and Pump House No. 1;
2. Construction of the pedestal for erection of the reactor building drywell;
3. Erection of the substructure walls, including the waterproof membrane of the reactor building, HPCI structure and Pump House No. 1 up to ground floor elevation 757'-6".

Details of the work are provided in the attached drawing 7884-SK-C-35. Included in the concrete work would be the necessary piping, grounding, conduit, floor drains, and other embedded items. The quality assurance program outlined in the PSAR will be in effect during the performance of the above work.

Without the Duane Arnold Energy Center, a power deficiency of over 250 mw is forecast for the Iowa Electric Light and Power Company and Central Iowa Power Cooperative for the winter of 1973-74.

As a member of the Iowa Power Pool, applicant is obligated to maintain the capability to meet its own load requirements plus a reserve of 12%.* Projected peak load of the applicant for December 1973 is 718 mw. This load, when increased by

* Capability and load figures given for applicant include Central Iowa Power Cooperative.

the 12% reserve requirement, establishes a projected load requirement (including reserves) of 807 mw in December, 1973.

Applicant's generating capability, aside from the Duane Arnold plant, in December, 1973 will be approximately 556 mw. Consequently, without that plant, applicant will have a generating deficiency of approximately 250 mw.

Prior to December, 1973, applicant will be able to obtain additional energy to meet its load requirements through purchase agreements with other pool members. In view of the substantial deficiency forecast for the winter of 1973-1974 by applicant, without the addition of the Duane Arnold plant, it is urgent that the plant be available for commercial operation in December, 1973.

Any delay in the construction schedule for the plant will seriously affect the applicant's ability to provide reliable service to its customers and to meet its pool commitments in the 1973-1974 winter.



CALCULATION SHEET

Recreation

File Cy.

11-25-69

120 (0513) 6-66

SIGNATURE

Fred Meyer

TITLE

DAEC - 100W Electric Light & Power Co

JOB NO

7884

SUBJECT

Foundation Construction Sequence

SHEET NO

1

DATE

11/14/69

7884-SK-C-35

REACTOR BUILDING

DRYWELL CONCRETE
FOUNDATION TO BE
POURED TO EL 754'-6"

CONCRETE EXTERIOR WALL
TO BE POURED TO EL 751'-6"
GRADE EL 757'

COMPACTED
BACK FILL

TOP OF MAT
EL 716'-9"

BOTTOM OF MAT
EL 708'-9"

LEAN CONCRETE

CROSS SECTION

REACTOR BUILDING FOUNDATION WALLS

INC. H.P.C.I AND PUMP HOUSE #1.

(SCOPE OF WORK FOR WHICH EXEMPTION IS REQUESTED)