

50-331

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: NRC

FROM: Iowa Elec. Light & Power Co.
Cedar Rapids, Iowa
G.G. Hunt

DATE OF DOCUMENT

3-5-76

DATE RECEIVED

3-8-76

☐ LETTER
☒ ORIGINAL
☐ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1

DESCRIPTION

Ltr. trans the following.....

ENCLOSURE

Revision to Semi-Annual Operating Rpt.
for period July 1, 1976 through February 26,
1976.....

(1 Cy. Received)

ACKNOWLEDGED
DO NOT REMOVE

PLANT NAME: Duane Arnold

SAFETY

FOR ACTION/INFORMATION

ENVIRO

SAB 3-10-76

ASSIGNED AD :

ASSIGNED AD :

✓ BRANCH CHIEF :

LEAP

BRANCH CHIEF :

PROJECT MANAGER:

PROJECT MANAGER :

✓ LIC. ASST. :

PARRISH

LIC. ASST. :

INTERNAL DISTRIBUTION

✓ REG FILE

SYSTEMS SAFETY

PLANT SYSTEMS

ENVIRO TECH

✓ NRC PDR

HEINEMAN

✓ TEDESCO

ERNST

✓ I & E (2)

SCHROEDER

BENAROYA

BALLARD

OELD

LAINAS

SPANGLER

GOSSICK & STAFF

ENGINEERING

IPPOLITO

✓ MIPC (4)

✓ MACCARY

SITE TECH

CASE

KNIGHT

OPERATING REACTORS

GAMMILL

✓ HANAUER

SIHWEIL

✓ STELLO

STEPP

HARLESS

PAWLICKI

HULMAN

OPERATING TECH

PROJECT MANAGEMENT

REACTOR SAFETY

✓ EISENHUT

SITE ANALYSIS

BOYD

✓ ROSS

SHAO

VOLLNER

P. COLLINS

NOVAK

BAER

BUNCH

HOUSTON

ROSZTOCZY

SCHWENCER

✓ J. COLLINS

PETERSON

CHECK

GRIMES

✓ KREGER

MELTZ

HELTEMES

AT & I

SITE SAFETY & ENVIRO

SKOVHOLT

SALTZMAN

ANALYSIS

RUTBERG

✓ DENTON & MULLER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

✓ LPDR: Cedar Rapids, Iowa

NATL LAB

BROOKHAVEN NATL LAB

✓ TIC

REG. V-IE

ULRIKSON(ORNL)

✓ NSIC

LA PDR

✓ ASLB

CONSULTANTS

✓ ACRS 16 HOLDING/SENT

2302

Regulatory

File Cy7

IOWA ELECTRIC LIGHT AND POWER COMPANY

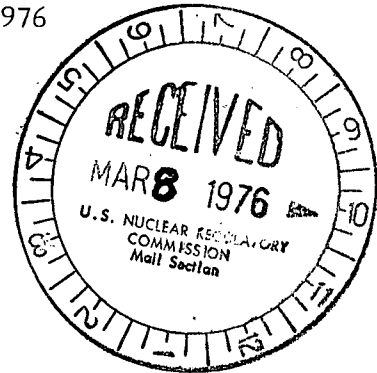
DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
DAEC - 76

50-331

Director, Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
1717 H Street N.W.
Washington, D.C. 20545



March 5, 1976



Subject: Revision to Semiannual Operating
Report for the Duane Arnold
Energy Center

File: A-118e, A-104

Dear Sir:

Please find enclosed 40 copies of Revision 1 to the Duane Arnold Energy Center Semiannual Report for the period July 1, 1975 through December 31, 1975. The original report was transmitted to your office on February 26, 1976.

Revision 1 incorporates radiological monitoring data that was not available at the time of the first submittal.

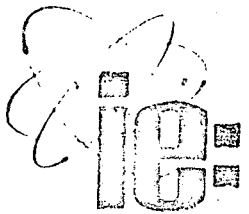
Very truly yours,

G. G. Hunt
Chief Engineer

DLW/GGH/mg
Enclosure

cc: w/o enclosures
D. Arnold
J. Wallace
G. Hunt
E. Hammond
D. Wilson

2302



Iowa Electric light and power company

DUANE ARNOLD ENERGY CENTER
PALO, IOWA

March 5, 1976

TO: Distribution

FROM: D. Wilson, Technical Engineer

SUBJECT: Revision 1 to DAEC Semiannual Report July 1, 1975 - December 31, 1975

1. Remove original pages H.2.3-29 and H.2.3-31, replace with Rev. 1 pages (attached).
2. Insert new page H.2.3-36 (attached).

SURFACE WATER SAMPLES
QUARTERLY COMPOSITES
(Tritium, Sr-89 and Sr-90)

Collection Station	pCi/l			
	Tritium	Sr-89	Sr-90	Gamma*
Lewis Access (#49)	340 ± 100	<2	<1	<10
Plant Intake (#50)	430 ± 110	<2	<1	<10
Plant Discharge (#51)	250 ± 100	<2	<2	<10
Cedar Rapids City Park (#52)	350 ± 100	<2	<2	<17**
Hansen Farm Pond (#73)	450 ± 130	<2	<2	-
Krewson Farm Pond (#75)	160 ± 80	<2	<2	-

*The spectrum is computer scanned from ~20 to ~2000 KeV. Data listed as "<" are at the 3σ level, others are 2σ. Specifically included in the gamma analyses are Ce-144, Cr-51, Ba-La-140, Cs-134, Cs-137, Zr-Nb-95, Co-58, Co-60, Mn-54, Zn-65. Naturally occurring gamma emitters such as K-40 and Ra daughters are frequently detected but not listed here.

**low sensitivity due to small sample size.

GROUND WATER SAMPLES

QUARTERLY COMPOSITE

(Tritium, Sr-89 and Sr-90)

<u>Collection Station</u>	<u>Tritium</u>	<u>Sr-89</u>	<u>Sr-90</u>
Treated Municipal Water (#53)	380 ± 100	<2	<1
Inlet Municipal Water (#54)	270 ± 100	<2	<1
On-Site Fountain (#55)	<90	<2	<2
On-Site Well (#56)	180 ± 90	<2	<1
Richard Bull (#57)	<90	<2	<2
Alfred Frantz (#58)	350 ± 100	<2	<1
Frantz Cottage (#59)	290 ± 100	<2	<2
Charles Comp (#60)	310 ± 100	<2	<1

Sr-90 in BONE SAMPLES

<u>Collection Station</u>	<u>Collection Date</u>	<u>Sample Type</u>	<u>Sr-90 (pCi/g)</u>
M. Heitshusen	11-15-75	Pork Bone	0.03 ± 0.03
D. Short	11-15-75	Pork Bone	<0.06
O. Bailey	11-15-75	Beef Bone	0.98 ± 0.25
E. Doermann	11-15-75	Beef Bone	<0.03