

NOVEMBER 27 1979

REGULATORY DOCKET FILE COPY

Docket No. 50-331

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

Dear Mr. Arnold:

Distribution

✓ Docket
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NRR Reading
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SSheppard
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Atty, OELD
I&E (5)

BJones
JRBuchanan, NSIC
TERA
Brinkman
ACRS (16)

By letters dated January 11, 1979 and July 5, 1979, we transmitted Amendment Nos. 48 and 52, respectively, to Facility Operating License No. DPR-49 for the Duane Arnold Energy Center. Amendment No. 48 revised several areas of the Technical Specifications, including deletion of the section concerning respiratory protection in accordance with our generic letter of July 29, 1977. Amendment No. 52 revised sections of the Technical Specifications concerning inservice inspection and testing.

The Technical Specification pages transmitted with these Amendments contained the following administrative errors: (1) the paragraph on page 6.9-1 concerning personnel radiation protection was inadvertently deleted by Amendment No. 48; (2) page vi was not revised to reflect the deletion of Tables 4.6-1 and 4.6-2 by Amendment No. 52; (3) paragraph 4.6.G.9 was inadvertently deleted by Amendment No. 52; and (4) page 3.6-10a was inadvertently not deleted by Amendment No. 52.

Please correct the Technical Specifications in accordance with the enclosed supplemental attachments to Amendment Nos. 48 and 52.

Sincerely,

for J. Hannon

Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosures:

1. Supplemental Attachment to Amendment No. 48
2. Supplemental Attachment to Amendment No. 52

cc w/enclosures:
See page 2

*SEE PREVIOUS YELLOW FOR CONCURRENCES

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CP
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OFFICE	ORB #3	ORB #3	ORB #3			
SURNAME	*SSheppard	TKevern *	*Tippolito			
DATE	10/31/79	11/21/79	/ /79			

Docket No. 50-331

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

Dear Mr. Arnold:

By letters dated January 11, 1979 and July 5, 1979, we transmitted Amendment Nos. 48 and 52, respectively, to Facility Operating License No. DPR-49 for the Duane Arnold Energy Center. Amendment No. 48 revised several areas of the Technical Specifications, including deletion of the section concerning respiratory protection in accordance with our generic letter of July 29, 1977. Amendment No. 52 revised sections of the Technical Specifications concerning inservice inspection and testing.

The Technical Specification pages transmitted with these Amendments contained the following administrative errors: (1) the paragraph on page 6.9-1 concerning personnel radiation protection was inadvertently deleted by Amendment No. 48; (2) page vi was not revised to reflect the deletion of Tables 4.6-1 and 4.6-2 by Amendment No. 52; and (3) pages 3.6-10a and 3.6-10aa were inadvertently not deleted by Amendment No. 52.

Please correct the Technical Specifications in accordance with the enclosed supplemental attachments to Amendments Nos. 48 and 52.

Sincerely,

Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosures:

1. Supplemental Attachments to Amendment No. 48
2. Supplemental Attachments to Amendment No. 52

cc w/enclosures:
See page 2

7912180 064

OFFICE	ORB #3	ORB #3	ORB #3			
SURNAME	TKevern	TIppolito	SSheppard			
DATE	10/31/79	11/26/79	11/21/79			

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I&E (5)

JBones
JRBuchanan, NSIC
TERA
DBrinkman
ACRS (16)

Mr. Duane Arnold
Iowa Electric Light & Power Company - 2 -

cc:

Mr. Robert Lowenstein, Esquire
Harold F. Reis, Esquire
Lowenstein, Newman, Reis and Axelrad
1025 Connecticut Avenue, N. W.
Washington, D. C. 20036

Office for Planning and Programming
523 East 12th Street
Des Moines, Iowa 50319

Chairman, Linn County
Board of Supervisors
Cedar Rapids, Iowa 52406

Iowa Electric Light & Power Company
ATTN: Ellery L. Hammond
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Cedar Rapids, Iowa 52406

Director, Technical Assessment Division
Office of Radiation Programs (AW-459)
US EPA
Crystal Mall #2
Arlington, Virginia 20460

U. S. Environmental Protection Agency
Region VII
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1735 Baltimore Avenue
Kansas City, Missouri 64108

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

SUPPLEMENTAL ATTACHMENT TO LICENSE AMENDMENT NO. 48

FACILITY OPERATING LICENSE NO. DPR-49

DOCKET NO. 50-331

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

6.9-1/6.9-2

Replace

6.9-1/6.9-2

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6.9 RADIOLOGICAL PROCEDURES

- 6.9.1 Procedures for personnel radiation protection shall be prepared consistent with the requirements of 10 CFR Part 20 and shall be approved, maintained and adhered to for all operations involving personnel radiation exposure.

SUPPLEMENTAL ATTACHMENT TO LICENSE AMENDMENT NO. 52

FACILITY OPERATING LICENSE NO. DPR-49

DOCKET NO. 50-331

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

vi
3.6-9
3.6-10a

Replace

vi
3.6-9
3.6-10a

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<u>Table Number</u>		<u>Page</u>
4.2-D	Minimum Test and Calibration Frequency for Radiation Monitoring Systems	3.2-29
4.2-E	Minimum Test and Calibration Frequency for Drywell Leak Detection	3.2-30
4.2-F	Minimum Test and Calibration Frequency for Surveillance Instrumentation	3.2-31
4.2-G	Minimum Test and Calibration Frequency for Recirculation Pump Trip	3.2-34
3.6-1	Number of Specimens by Source	3.6-33
4.6-3	Snubbers Accessible During Normal Operation	3.6-41
4.6-4	Snubbers Inaccessible During Normal Operation	3.6-43
4.6-5	Snubbers in High Radiation Area During Shutdown and/or Especially Difficult to Remove	3.6-44
3.7-1	Containment Penetrations Subject to Type "B" Test Requirements	3.7-20
3.7-2	Containment Isolation Valves Subject to Type "C" Test Requirements	3.7-22
3.7-3	Primary Containment Power Operated Isolation Valves	3.7-25
3.12-1	Significant Input Parameters to the Duane Arnold Loss-of-Coolant Accident Analysis	3.12-9
3.12-2	MCPR Limits	3.12-9a
3.13-1	Fire Detection Instruments	3.13-11
3.13-2	Required Fire Hose Stations	3.13-12
6.2-1	Minimum Shift Crew Personnel and License Requirements	6.2-3
6.9-1	Protection Factors for Respirators	6.9-8
6.11-1	Reporting Summary - Routine Reports	6.11-12
6.11-2	Reporting Summary - Non-routine Reports	6.11-14

4. Starting with the next refueling outage (scheduled for 1980) the inspections required in Table 4.6-1 under Items 1.7, 4.1 and 4.4 are augmented with respect to the three pressure boundary welds identified as weld Nos. 2, 6 and 7 in Figure 4.6-1 on the eight recirculating system inlet safe-ends. Each of the three welds on four of the safe-ends shall be ultrasonically examined during the next refueling outage. The three welds on the other four safe-ends shall be ultrasonically examined during the subsequent refueling outage. This cycle of inspections shall continue in the same sequence in subsequent refueling periods.

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REGULATORY DOCKET FILE COPY

NOVEMBER 19 1979

Docket No. 50-331

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

Dear Mr. Arnold:

The Commission has issued the enclosed Amendment No. 56 to Facility Operating License No. DPR-49 for the Duane Arnold Energy Center. This amendment consists of changes to the Technical Specifications and is in response to your application dated March 29, 1978, as supplemented September 12, 1979, and your application dated July 19, 1978.

This amendment changes the Appendix B Technical Specifications to (1) replace the requirement for repeated manual sampling and analysis for chlorine at the plant discharge with the requirement for continuous automatic recording/control equipment for dechlorination, (2) delete the requirement for taste tests of river water, (3) change the sampling frequency for benthos from quarterly to semi-annually, and (4) make several administrative changes.

Since the amendment applies only to environmental monitoring requirements, it does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

A copy of the related Environmental Impact Appraisal and Notice of Issuance and Negative Declaration are also enclosed.

Sincerely,

Original Signed by
T. A. Ippolito

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Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

ESB
GLear
11/6/79

OFFICE	Enclosures and ccs: ORB #3	ORB #3	AD: ORP	WELD	ORB #3
SURNAME	See next page	SSheppard	TKevern:mjf	WGamill	T. Ippolito
DATE		11/5/79	11/5/79	11/6/79	11/16/79

Mr. Duane Arnold

- 2 -

Enclosures:

1. Amendment No. 55
2. Environmental Impact Appraisal
3. Notice

cc w/enclosures:

Mr. Robert Lowenstein, Esquire
Harold F. Reis, Esquire
Lowenstein, Newman, Reis and Axelrad
1025 Connecticut Avenue, N. W.
Washington, D. C. 20036

Office for Planning and Programming
523 East 12th Street
Des Moines, Iowa 50319

Chairman, Linn County
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Director, Technical Assessment Division
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Crystal Mall #2
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1735 Baltimore Avenue
Kansas City, Missouri 64108

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

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

IOWA ELECTRIC LIGHT AND POWER COMPANY
CENTRAL IOWA POWER COOPERATIVE
CORN BELT POWER COOPERATIVE

DOCKET NO. 50-331

DUANE ARNOLD ENERGY CENTER

AMENDMENT TO FACILITY OPERATING LICENSE

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by Iowa Electric Light and Power Company, Central Iowa Power Cooperative, and Corn Belt Power Cooperative (the licensees) dated March 29, 1978, supplemented September 12, 1979, and July 19, 1978, comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the applications, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-49 is hereby amended to read as follows:


(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 55, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 19, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 55

FACILITY OPERATING LICENSE NO. DPR-49

DOCKET NO. 50-331

Replace the following pages of the Appendix "B" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

2.2-1
4.1-1/4.1-2
4.1-3

Insert

2.2-1
4.1-1
4.1-2
4.1-3

2.2-1

2.0 ENVIRONMENTAL PROTECTION CONDITIONS

2.2 Chemical

2.2.1 Chlorine

Objective

To limit the concentrations of total residual chlorine in the discharge consistent with those specified under State and Federal Water Quality Standards and Criteria as protecting the designated water uses and aquatic life.

Specification

While the plant is discharging cooling tower effluent, total residual chlorine concentrations shall be limited to 0.1 mg/l or less at all times. The cooling tower effluent shall be dechlorinated as necessary to maintain the aforementioned limit.

Bases

The limit on maximum total residual chlorine concentration in the plant discharge is sufficient to accomplish the purpose of chlorination and will assure that the discharge will not contribute to non-complying water quality conditions in the Cedar River in the vicinity of the plant.

3.0 MONITORING REQUIREMENTS

3.2 Chemical

3.2.1 Chlorine

Objective

To assure that total residual chlorine discharges are maintained within the Technical Specifications.

Specification

Automatic recording/control equipment (acceptable to the staff) shall be used to control dechlorination. Should the automatic equipment fail, a sample shall be taken from the discharge canal immediately, and then daily (except weekends) thereafter until the automatic equipment is returned to service, to assure a total residual chlorine concentration of not more than 0.1 mg/l. Samples shall be taken at, or prior to, the outfall into the Cedar River. Residual chlorine levels shall be determined by the amperometric method.

Bases

The chlorine monitoring program is designed to provide a reliable record of chlorine concentration in the discharge canal as a function of time after chlorination has started and to assure that chlorine levels are maintained within the limits of the Technical Specifications.

4.1-1

4.0 ENVIRONMENTAL SURVEILLANCE AND SPECIAL STUDIES

4.1 Biological

4.1.1 Aquatic

Objective

1. To continue routine water quality determination in the Cedar River in order to identify any conditions which could result in environmental or water quality problems.
2. To conduct physical, chemical and biological studies in and adjacent to the discharge canal and to compare the results with similar studies above the intake. This will make it possible to determine any water quality changes occurring as the result of chemical additions or condenser passage and to identify any impact of the plant effluent on aquatic communities adjacent to the discharge.
3. To identify and quantify organisms impinged on the intake screens and entrained in the intake water in order to estimate the magnitude and effects of impingement and condenser passage on the ecology of the Cedar River.
4. To verify the extent of the thermal plume.

Specifications

Sampling sites will be established in the discharge canal and at four locations in the Cedar River (Figure 4.1-1): 1) upstream of the plant at the Lewis Access Bridge; 2) directly above the plant intake; 3) at a point to be determined no more than 300' below the plant discharge; 4) adjacent to Comp Farm about 1/2 mile below the plant.

Deviations are permitted from the required sampling/analysis schedule if specimens are unobtainable due to hazardous conditions, equipment malfunction or laboratory accidents. If due to equipment malfunction every effort shall be made to complete corrective action prior to the end of the next sampling period. All deviations from the sampling/analysis schedule shall be described in the annual report.

4.1.1.1 General Water Quality Analysis

4.0 ENVIRONMENTAL SURVEILLANCE AND SPECIAL STUDIES

4.1.1 Specification (Cont'd)

A. Frequency: Twice per month routinely and as necessary when conditions warrant.

B. Location: At all four river sites and the discharge canal.

C. Parameters to be measured:

- | | | |
|-------------------------------|----------------------------------|----------------------|
| 1. D.O. | 7. Ca Hardness | 13. Lignins & tannen |
| 2. pH | 8. Total PO ₄ | 14. BOD |
| 3. CO ₂ | 9. Ortho PO ₄ | 15. COD |
| 4. Total Alkalinity | 10. NO ₃ | 16. Odor |
| 5. CO ₃ Alkalinity | 11. NH ₄ ⁺ | 17. Temperature |
| 6. Total Hardness | 12. Fe | 18. Turbidity |
| | | 19. Color |

4.1.1.2 Complete Water Quality Analysis

A. Frequency: Three times per year during spring, summer and fall.

B. Location: At all four river locations and the discharge canal.

C. Parameters to be measured: All general water quality parameters plus -

- | | | |
|-------|---------------------------------|---|
| 1. Cu | 5. Cr ⁺⁶ | 9. NO ₂ ⁻ |
| 2. Zn | 6. Mn | 10. Total solids |
| 3. Hg | 7. Cl ⁻ | 11. Pesticides in fish
from two sites, above
and below plant. |
| 4. Pb | 8. SO ₄ ⁻ | |

In addition, D.O., pH and alkalinity will be determined at each site every four hours over a 24-hour period.

4.0 ENVIRONMENTAL SURVEILLANCE AND SPECIAL STUDIES

4.1.1 Specification (cont'd)

4.1.1.3 Plankton Studies

- A. Frequency: Twice per month routinely and as necessary when conditions warrant.
- B. Location: At all four river locations and the discharge canal.
- C. Analyses to be made: Numbers and kinds (to genus whenever possible) of organisms present.

4.1.1.5 Benthic (bottom organism) Studies

- A. Frequency: Semi-annually, as available.
- B. Location: At all four river sites
- C. Analysis: Kinds (to genus whenever possible) and numbers of organisms present will be determined. Sediment type will also be determined.

4.1.1.6 Periphyton

- A. Frequency: Three times per year during spring, summer and fall, as available.
- B. Location: Artificial substrates will be installed at Site 2, above the plant intake, and at Site 3, below the plant.
- C. Analyses to be made: Substrates will be removed after two weeks to one month. The biomass and generic composition will be determined.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

ENVIRONMENTAL IMPACT APPRAISAL BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 55 TO LICENSE NO. DPR-49

IOWA ELECTRIC LIGHT AND POWER COMPANY
CENTRAL IOWA POWER COOPERATIVE
CORN BELT POWER COOPERATIVE

DOCKET NO. 50-331

DUANE ARNOLD ENERGY CENTER

Description of Proposed Action

By letter dated March 29, 1978, the Iowa Electric Light and Power Company (the licensee) requested changes to Appendix B, Environmental Technical Specifications for the Duane Arnold Energy Center (DAEC).¹ The licensee's proposed changes were to Specifications 2.2.1 Chlorine, 3.2.1 Chlorine (monitoring requirements) and 2.2.2 Other Chemicals. The staff reviewed the requested changes to Specifications 2.2.1 and 2.2.2 and Amendment No. 53 to Facility License No. DPR-49 was subsequently issued to address these changes.²

The remaining proposed change, to the monitoring requirement for residual chlorine, Specification 3.2.1, would delete the requirement for repeated manual sampling of the plant discharge immediately prior to and during each chlorination. It would replace this requirement with one specifying the use of automatic recording/control equipment to control dechlorination of the plant discharge. A backup program of manual sampling and control would be utilized when the automatic (primary) system is unavailable. By letter dated September 12, 1979, the licensee provided additional descriptive information on the automatic equipment.³ Subsequent discussions between the licensee and the NRC staff resulted in modifications to the licensee's proposed request. The licensee has agreed to these modifications.

By letter dated July 19, 1978, the licensee requested an amendment to Appendix B, Environmental Technical Specifications for the DAEC. The licensee proposed several minor changes to Specification 4.1, Environmental Surveillance and Special Studies.

This appraisal reviews the environmental impacts associated with the aforementioned changes.

Environmental Impacts of Proposed Action

Specification 3.2.1

The proposed system for chlorine monitoring and control consists of a residual chlorine analyzer, an electronic strip chart recorder and an electronic indicating controller. Staff review of the specifications of this equipment indicates that the system is designed for and capable of continuous residual chlorine analysis and recording, and continuous control of dechlorination equipment. The proposed system will utilize an amperometric titration analyzer to monitor

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total residual chlorine concentration in the plant discharge. Equipment specifications indicate a sensitivity of 0.01 mg/l chlorine, an operating range capability of from 0 to 0.5 mg/l up to 0 to 10 mg/l chlorine and an accuracy of + or - 2% of full scale reading.

The staff considers the proposed primary monitoring system adequate to meet the objective of the Technical Specification. Adverse environmental impact is not expected to result from the use of the proposed automatic continuous recording/control equipment in place of repeated discrete sampling of the plant discharge.

The proposed back-up monitoring program, to be employed whenever and for as long as the primary automatic recording/control equipment is unavailable due to failure, will provide a daily check on weekdays of discharge concentrations of residual chlorine. Although data on the variability of the chlorine demand of the incoming and circulating cooling water is not available, it is anticipated that adverse environmental impact will not result from the use of this reduced frequency monitoring system. Factors influencing the staff's judgement are the anticipated infrequent use of this backup system and the availability of data from the operation of the primary system as to the adjustment of the chlorine feed and dechlorination equipment consistent with acceptable discharge concentrations. The U. S. Environmental Protection Agency (EPA) has reviewed the licensee's dechlorination proposal and proposed monitoring plan. The monitoring scheme proposed by the licensee was found to be "acceptable."^{4,5} The staff has contacted the State of Iowa concerning the proposed change in residual chlorine monitoring procedures. No objections to the modified proposal were indicated, although review of the limitations and procedures concerning chlorination at the DAEC would likely be conducted when the current EPA issued NPDES permit for the facility expires and a State issued permit is to be considered.

Specification 4.1.1

The licensee proposes to delete reference to a chlorine study from the Objective of Section 4.1.1. The study has been completed and was removed from the ETS in a previous license amendment (License Amendment No. 22). This change is administrative in nature, and is acceptable.

The licensee proposes to add a paragraph to the specification in Section 4.1.1, describing action to be taken in the event that a sample is missed due to hazardous conditions, equipment malfunctions or laboratory accidents. This change is also administrative in nature and is acceptable.

Specification 4.1.1.1

The licensee proposes to change one of the parameters monitored as part of Section 4.1.1.1 General Water Quality Analysis. The requirement to perform taste and odor tests on water samples taken twice monthly from four river stations and from the discharge canal is being reduced so that only odor tests need be performed. The licensee's consultant has indicated that for this qualitative test, odor determinations are sufficient to detect "threshold" levels of sewage and industrial wastes. The staff judges that for the purpose

of this water quality survey, taste tests of the water samples need no longer be required and deletion of this requirement is acceptable.

Specification 4.1.1.5

The licensee proposes to change the sampling frequency for benthos in Section 4.1.1.5 from quarterly to semi-annually. This would be consistent with the schedule required for radiological monitoring for benthos. Also, because the macroinvertebrate community in the vicinity of the plant is of low diversity, low density, and composed of tolerant forms, lowering the sample frequency would not result in a significant loss of useful data. Reduction of sampling frequency to semi-annual sampling for benthos is therefore acceptable.

Conclusion and Basis for Negative Declaration

On the basis of the foregoing analysis, it is concluded that significant adverse impact on the environment in the vicinity of the Duane Arnold Energy Center will not occur as a result of the proposed changes. On this basis and in accordance with 10 CFR Part 51.5(c), the Commission concludes that no environmental impact statement for the proposed action need be prepared and a negative declaration to this effect is appropriate.

Dated: November 19, 1979

References

1. Letter from L. Liu, Iowa Electric Light and Power Company to E. Case, U.S. NRC; March 29, 1978.
2. Amendment No. 53 to Facility Operating License No. DPR-49 for the Duane Arnold Energy Center; Docket No. 50-331; letter to Iowa Electric Light and Power Company from T. A. Ippolito; August 7, 1979.
3. Letter from L. Root, Iowa Electric Light and Power Company to T. A. Ippolito; September 12, 1979.
4. Letter from C. M. Walter, U.S. Environmental Protection Agency to R. L. Thiede, Iowa Electric Light and Power Company; March 7, 1978.
5. Personal communication; J. Tonneson, State of Iowa Department of Environmental Quality and J. Lehr, USNRC; October 11, 1979.

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-331IOWA ELECTRIC LIGHT AND POWER COMPANY, ET AL.NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSEANDNEGATIVE DECLARATION

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 55 to Facility Operating License No. DPR-49 issued to Iowa Electric Light and Power Company, Central Iowa Power Cooperative, and Corn Belt Power Cooperative, which revises the Technical Specifications for operation of the Duane Arnold Energy Center, located in Linn County, Iowa. The amendment is effective as of the date of its issuance.

The amendment will: (1) replace the requirement for repeated manual sampling and analysis for chlorine at the plant discharge with the requirement for continuous automatic recording/control equipment for dechlorination, (2) delete the requirement for taste tests of river water, (3) changes the sampling frequency for benthos from quarterly to semi-annually, and (4) make several administrative changes.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.


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The Commission has prepared an environmental impact appraisal for this action and has concluded that an environmental impact statement for this particular action is not warranted because there will be no significant environmental impact attributable to the action other than that which has already been predicted and described in the Commission's Final Environmental Statement for the facility dated March, 1973.

For further details with respect to this action, see (1) the application for amendment dated March 29, 1978 and supplement dated September 12, 1979, (2) application for amendment dated July 19, 1978, (3) Amendment No. 55 to License No. DPR-49, and (4) the Commission's related Environmental Impact Appraisal. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Cedar Rapids Public Library, 426 Third Avenue, S. E., Cedar Rapids, Iowa 52401. A copy of items (3) and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland this 19th day of November 1979.

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas W. Ippolito, Chief
Operating Reactors Branch #3
Division of Operating Reactors