

Attachment 3

Quad Cities Station Unit 1

Proposed Technical Specifications

New and Revised Pages: Entire Appendix B
except for Section E1.3/2.3
which is included as well
for clarity.

TECHNICAL SPECIFICATIONS

APPENDIX B

TABLE OF CONTENTS

	<u>Page</u>
E1.1/2.1 CHLORINE EFFLUENT	E1.1/2.1-1
E1.1 Limiting Conditions for Operation	E1.1/2.1-1
E2.1 Surveillance Requirements	E1.1/2.1-1
E1.2/2.2 TEMPERATURE LIMITATIONS	E1.2/2.2-1
E1.2 Limiting Conditions for Operation	E1.2/2.2-1
E2.2 Surveillance Requirements	E1.2/2.2-1
E1.3/2.3 FISH IMPINGEMENT	E1.3/2.3-1
E1.3 Limiting Conditions for Operation	E1.3/2.3-1
E2.3 Surveillance Requirements	E1.3/2.3-1
E1.3 Limiting Conditions for Operation Bases	E1.3/2.3-2
E1.4/2.4 CHEMICAL EFFLUENT	E1.4/2.4-1
E1.4 Limiting Conditions for Operation	E1.4/2.4-1
E2.4 Surveillance Requirements	E1.4/2.4-1
E3.0 REPORTING REQUIREMENTS	E3.0
E3.1 Chlorine Effluent Reports	E3.1-1
E3.2 Temperature Limitations	E3.1-1
E3.3 Fish Impingement	E3.1-1
E3.4 Chemical Effluent	E3.1-1
E4.0 BASES	E4.1-1
E4.1 Limiting Conditions for Operation Bases	E4.1-1

TECHNICAL SPECIFICATION

APPENDIX B

LIST OF FIGURES

Number	Title
2.2-1	Locations for Monitoring of Water Temperature near the Quad Cities Station

QUAD CITIES
DPR-29

E.1.1/2.1 CHLORINE EFFLUENT
SPECIFICATION

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENTS

A. Normal operation

A. Normal operation

1. The total (free and combined) chlorine in the discharge of the open cycle diffusers and closed cycle blowdown pipe shall not exceed values specified in NPDES Permit IL0005037.

1. Chlorination will be monitored in accordance with the requirements specified in NPDES permit No. IL0005037.

B. Corrective Action

If the total chlorine content of the water in the discharge of the open cycle blowdown pipe exceeds the values in Specification E1.1.A.1 chlorination shall cease until the system is operating properly.

QUAD CITIES
DPR-29

E1.2/2.2 TEMPERATURE LIMITATIONS
SPECIFICATION

LIMITING CONDITION FOR OPERATION

- A. Heated effluent from the discharge of the open cycle diffusers shall not exceed values specified in NPDES Permit No. IL 0005037.

SURVEILLANCE REQUIREMENTS

- A. River water temperatures and discharge temperatures will be monitored in accordance with requirements specified in NPDES Permit No. IL 0005037.

E1.3/2.3 FISH IMPINGEMENT

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

SPECIFICATIONS

- A. Identify, count, obtain size range and total weight per species and document incidences of external parasites of fish impinged on the traveling screens of the intake structure to further investigate the impact of the plant.

- A. The contents of the traveling screen trash basket will be removed twice per week. Each day will represent a 24-hour time period.

All fish except gizzard shad and carp will be counted, identified, sized, weighed, and observed for external parasitism. The number and weight of gizzard shad and carp will be estimated by appropriate subsampling.

QUAD-CITIES
DPR-29

E1.3 LIMITING CONDITIONS FOR OPERATION BASES

Objective:

To continue counting, sizing, and evaluating fish removed on the traveling screens during open cycle operation.

Bases:

Fish that are in the forebay are becoming impinged on the traveling screens and are removed from the river and are deposited in the trash baskets. The fish species that accounts for 95% to 99% of the current impingement counts is gizzard shad, a rough fish having no commercial or sport importance.

The determination of the species and numbers of fish trapped and removed will provide the basis for determination of the impact of the station.

QUAD CITIES
DPR-29

E1.4/2.4 CHEMICAL EFFLUENT
SPECIFICATION

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

- A. The effluent of chemicals in the discharge of the open cycle diffuser and closed cycle blow-down pipe shall not exceed values specified in NPDES Permit IL 0005037.

- A. Chemical Effluents will be monitored in accordance with the requirements specified in NPDES permit no. IL 0005037.

QUAD CITIES
DPR-29

E3.0 REPORTING REQUIREMENTS

3.1 Chlorine Effluent Reports

3.2 Temperature Limitations

3.3 Fish Impingement

3.4 Chemical Effluent

The following apply to Specification 3.1, 3.2, 3.3 and 3.4.

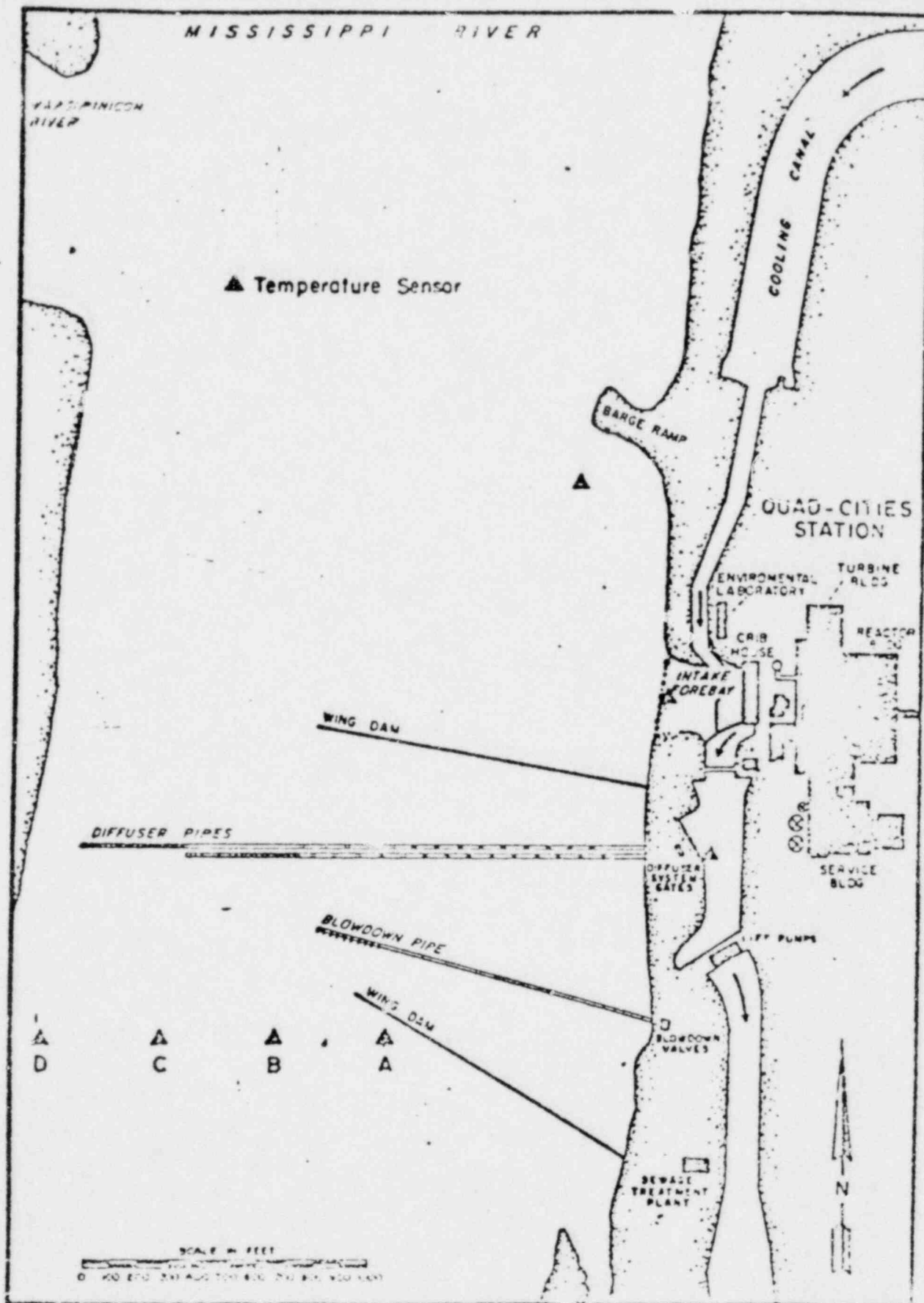
- A. A letter shall be sent to the Directorate of Licensing within 30 days after a limiting condition of operation is exceeded describing the occurrence and justifying corrective action. It is noted that a copy of the notice to the EPA meets the requirements of this section.
- B. A letter shall be sent to the Directorate of Licensing within 30 days after notification of a change of monitoring requirements in the NPDES permit.
- C. An annual report of the monitoring results will be composed and sent to the Directorate of Licensing within 90 days after the calendar year has ended.

QUAD CITIES
DPR-29

E4.0 Basin

E4.1 Limiting Conditions for Operation Bases

In order to insure a safe environment due to the liquid releases from the station, the chlorine effluents, temperature limitations, and chemical effluents will be limited to that described in the station's NPDES permit. Because of the provisions of the Clean Water Act (33 USC 1251, et seq.) and in the interest of avoiding duplication of effort, the conditions and monitoring requirements related to water quality and aquatic biota are specified in the NPDES Permit No. IL 0005037 issued by the U.S. EPA and certified by the Illinois EPA to Quad-Cities Nuclear Generating Station Units 1 and 2. This permit authorizes the station to discharge controlled waste water into the waters of the state. The Nuclear Regulatory Commission will be relying on the NPDES permit limitations for protection of the aquatic environment from nonradiological effluents.



Locations for monitoring of water temperature
near the Quad Cities Station

Figure 2.2-1

Attachment 4

Quad Cities Station Unit 2

Proposed Technical Specifications

New and Revised Pages: Entire Appendix B
except for Section E1-3/2.3
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TECHNICAL SPECIFICATIONS

APPENDIX B

TABLE OF CONTENTS

	<u>Page</u>
E1.1/2.1 CHLORINE EFFLUENT	E1.1/2.1-1
E1.1 Limiting Conditions for Operation	E1.1/2.1-1
E2.1 Surveillance Requirements	E1.1/2.1-1
E1.2/2.2 TEMPERATURE LIMITATIONS	E1.2/2.2-1
E1.2 Limiting Conditions for Operation	E1.2/2.2-1
E2.2 Surveillance Requirements	E1.2/2.2-1
E1.3/2.3 FISH IMPINGEMENT	E1.3/2.3-1
E1.3 Limiting Conditions for Operation	E1.3/2.3-1
E2.3 Surveillance Requirements	E1.3/2.3-1
E1.3 Limiting Conditions for Operation Bases	E1.3/2.3-2
E1.4/2.4 CHEMICAL EFFLUENT	E1.4/2.4-1
E1.4 Limiting Conditions for Operation	E1.4/2.4-1
E2.4 Surveillance Requirements	E1.4/2.4-1
E3.0 REPORTING REQUIREMENTS	E3.1-1
E3.1 Chlorine Effluent Reports	E3.1-1
E3.2 Temperature Limitations	E3.1-1
E3.3 Fish Impingement	E3.1-1
E3.4 Chemical Effluent	E3.1-1
E4.0 BASES	E4.1-1
E4.1 Limiting Conditions for Operation Bases	E4.1-1

TECHNICAL SPECIFICATION

APPENDIX B

LIST OF FIGURES

Number	Title
2.2-1	Locations for Monitoring of Water Temperature near the Quad Cities Station

E.1.1/2.1 CHLORINE EFFLUENT
SPECIFICATION

LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENTS

A. Normal operation

A. Normal operation

1. The total (free and combined) chlorine in the discharge of the open cycle diffusers and closed cycle blowdown pipe shall not exceed values specified in NPDES Permit IL0005037.

1. Chlorination will be monitored in accordance with the requirements specified in NPDES permit No. IL0005037.

B. Corrective Action

If the total chlorine content of the water in the discharge of the open cycle blowdown pipe exceeds the values in Specification E1.1.A.1 chlorination shall cease until the system is operating properly.

EL.2/2.2 TEMPERATURE LIMITATIONS
SPECIFICATION

LIMITING CONDITION FOR OPERATION

- A. Heated effluent from the discharge of the open cycle diffusers shall not exceed values specified in NPDES Permit No. IL 0005037.

SURVEILLANCE REQUIREMENTS

- A. River water temperatures and discharge temperatures will be monitored in accordance with requirements specified in NPDES Permit No. IL 0005037.

E1.3/2.3 FISH IMPINGEMENT

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

SPECIFICATIONS

- A. Identify, count, obtain size range and total weight per species and document incidences of external parasites of fish impinged on the traveling screens of the intake structure to further investigate the impact of the plant.

- A. The contents of the traveling screen trash basket will be removed twice per week. Each day will represent a 24-hour time period.

All fish except gizzard shad and carp will be counted, identified, sized, weighed, and observed for external parasitism. The number and weight of gizzard shad and carp will be estimated by appropriate subsampling.

E1.3 LIMITING CONDITIONS FOR OPERATION BASES

Objective:

To continue counting, sizing, and evaluating fish removed on the traveling screens during open cycle operation.

Bases:

Fish that are in the forebay are becoming impinged on the traveling screens and are removed from the river and are deposited in the trash baskets. The fish species that accounts for 95% to 99% of the current impingement counts is gizzard shad, a rough fish having no commercial or sport importance.

The determination of the species and numbers of fish trapped and removed will provide the basis for determination of the impact of the station.

E1.4/2.4 CHEMICAL EFFLUENT
SPECIFICATION

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

- | | |
|--|---|
| A. The effluent of chemicals in the discharge of the open cycle diffuser and closed cycle blow-down pipe shall not exceed values specified in NPDES Permit IL 0005037. | A. Chemical Effluents will be monitored in accordance with the requirements specified in NPDES permit no. IL 0005037. |
|--|---|

E3.0 REPORTING REQUIREMENTS

- 3.1 Chlorine Effluent Reports
- 3.2 Temperature Limitations
- 3.3 Fish Impingement
- 3.4 Chemical Effluent

The following apply to Specification 3.1, 3.2, 3.3 and 3.4.

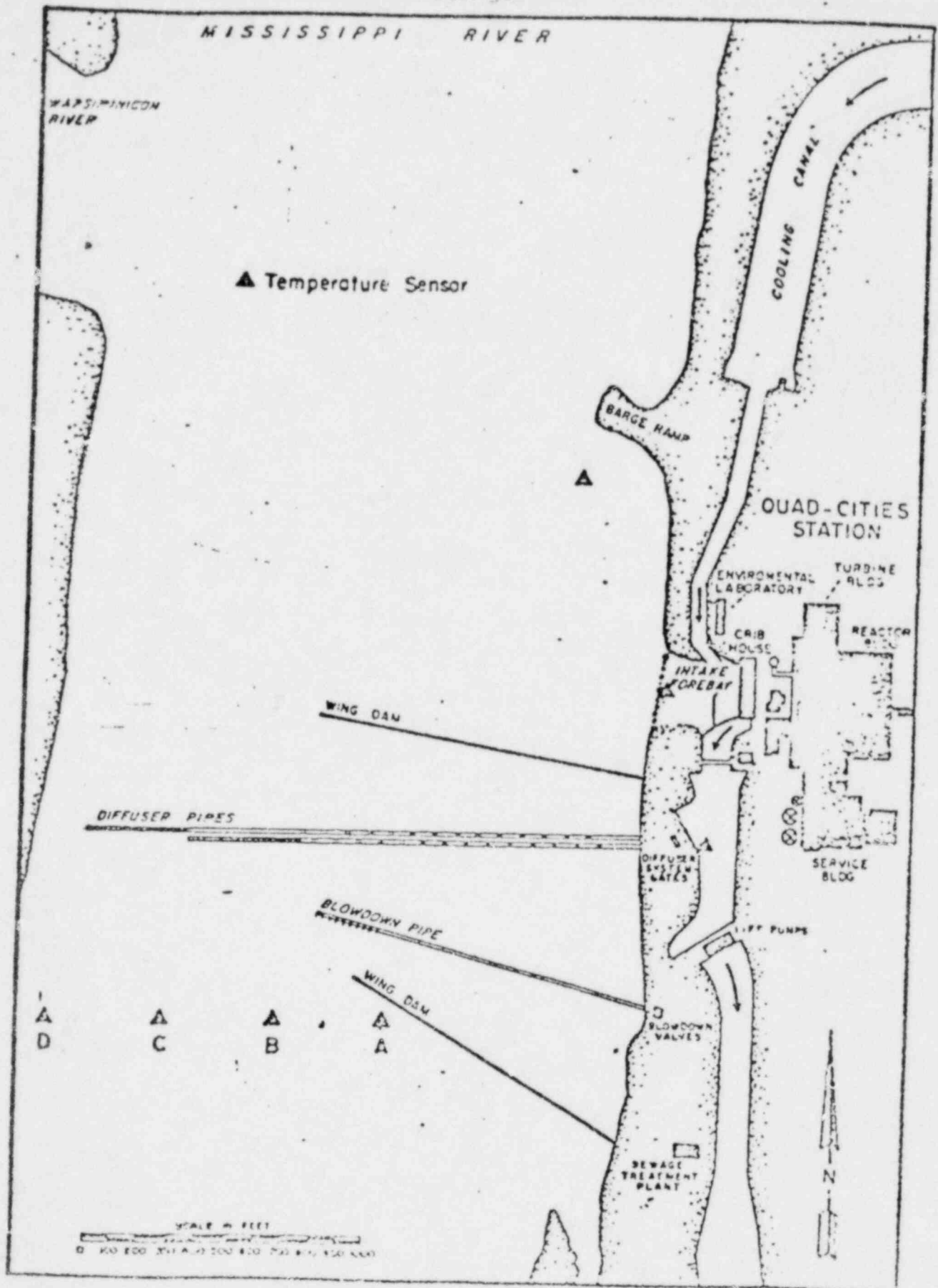
- A. A letter shall be sent to the Directorate of Licensing within 30 days after a limiting condition of operation is exceeded describing the occurrence and justifying corrective action. It is noted that a copy of the notice to the EPA meets the requirements of this section.
- B. A letter shall be sent to the Directorate of Licensing within 30 days after notification of a change of monitoring requirements in the NPDES permit.
- C. An annual report of the monitoring results will be composed and sent to the Directorate of Licensing within 30 days after the calendar year has ended.

QUAD CITIES
DPR-30

E4.0 Bases

E4.1 Limiting Conditions for Operation Bases

In order to insure a safe environment due to the liquid releases from the station, the chlorine effluents, temperature limitations, and chemical effluents will be limited to that described in the station's NPDES permit. Because of the provisions of the Clean Water Act (33 USC 1251, et seq.) and in the interest of avoiding duplication of effort, the conditions and monitoring requirements related to water quality and aquatic biota are specified in the NPDES Permit No. IL 0005037 issued by the U.S. EPA and certified by the Illinois EPA to Quad-Cities Nuclear Generating Station Units 1 and 2. This permit authorizes the station to discharge controlled waste water into the waters of the state. The Nuclear Regulatory Commission will be relying on the NPDES permit limitations for protection of the aquatic environment from nonradiological effluents.



Locations for monitoring of water temperature
near the Quad Cities Station

Figure 2.2-1