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DESCRIPTION:

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ACKNOWLEDGED

PLANT NAME: Monticello

ENCLOSURES:

Amdt to OL/Change To Tech Specs (Appendix A, concerning Enviro Reporting Requirements):
Consisting of:
A. Proposed change to radiation enviro monitoring program.....
B. Exhibit B....revised & addl pgs to tech specs.....

(40 sets encl rec'd)

FOR ACTION/INFORMATION

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NORTHERN STATES POWER COMPANY

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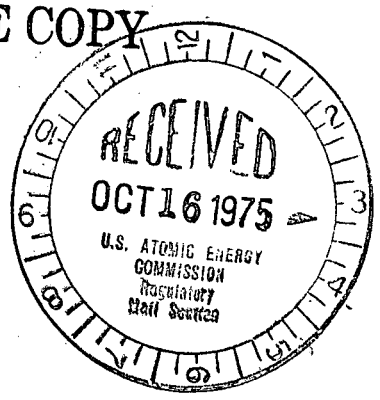
October 15, 1975



Mr. R. S. Boyd, Acting Director
Division of Reactor Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Boyd:

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

License Amendment Request Dated October 15, 1975

Attached are three originals and 37 conformed copies of a request for a change of Technical Specifications, Appendix A, of the Provisional Operating License for the Monticello Nuclear Generating Plant.

This request is for proposed Technical Specification changes in the Radiation Environmental Monitoring Program as described in Exhibit A attached.

This License Amendment Request has been reviewed by the Monticello Operations Committee and the Monticello Safety Audit Committee. We have concluded that the proposed changes do not involve an unreviewed safety question.

Yours very truly,

L. O. Mayer

L. O. Mayer, PE
Manager, Nuclear Support Services

LOM/ECW/deb

cc: J. G. Keppler
G. Charnoff
MPCA
Attn: J. W. Ferman
MECCA
Attn: H. J. Vogel
City of Saint Paul
Attn: D. L. Ficker
S. J. Gadler

12062

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY
MONTICELLO NUCLEAR GENERATING PLANT

Docket No. 50- 263

REQUEST FOR AMENDMENT TO
OPERATING LICENSE NO. DPR- 22

(License Amendment Request Dated October 15, 1975)

Northern States Power Company, a Minnesota corporation, requests authorization for changes to the Technical Specifications as shown on the attachments labeled Exhibit A and Exhibit B. Exhibit A describes the proposed changes along with reasons for the change. Exhibit B is a set of Technical Specification pages incorporating the proposed changes.

This request contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By L. J. Wachter
L J Wachter
Vice President, Power Production &
System Operation

On this 15th day of October, 1975, before me a notary public in and for said County, personally appeared L J Wachter, Vice President, Power Production & System Operation, and first being duly sworn acknowledged that he is authorized to execute this document in behalf of Northern States Power Company, that he knows the contents thereof and that to the best of his knowledge, information and belief, the statements made in it are true and that it is not interposed for delay.

Denise E. Branau

DENISE E. BRANAU
NOTARY PUBLIC – MINNESOTA
HENNEPIN COUNTY
My Comm. Exp. Oct. 19, [illegible]

EXHIBIT A

MONTICELLO NUCLEAR GENERATING PLANT
DOCKET NO. 50-263

LICENSE AMENDMENT REQUEST DATED OCTOBER 15, 1975

PROPOSED CHANGE TO TECHNICAL SPECIFICATIONS APPENDIX A, OF PROVISIONAL OPERATING LICENSE DPR-22

Pursuant to 10 CFR 50.59, the holders of Provisional Operating License DPR-22 hereby propose the following change to Appendix A Technical Specifications:

Specification and Bases 3.8/4.8F-Environmental Monitoring Program

PROPOSED CHANGE

Replace Table 4.8.1, Sample Collection and Analysis, Monticello Nuclear Plant Environmental Monitoring Program with the proposed Table 4.8.1 contained in Exhibit B. Add Figures 4.8.1 and 4.8.2 and replace page 179B, 3.8/4.8 Bases, as contained in Exhibit B.

REASON FOR CHANGE

Members of the NRC Staff working with NSP personnel developed a modified scope for the Monticello Radiation Environmental Monitoring Program consistent with current Regulatory guidance and utilizing the indicator-control concept.

Revised Table 4.8.1 describes the updated program consistent with NRC requirements that should be implemented for the Monticello plant.

SAFETY EVALUATION

Technical Specifications on effluent releases have been issued at Monticello to keep levels of radioactive materials in effluents as low as practicable to insure that radiation doses to the public resulting from these releases will continue to remain minimal. Technical Specification for the measurement of the level of these radioactive releases, together with dispersion estimates, ensure that these plant releases to the environment and radiation doses to the public are maintained as low as practicable. The radiation environmental monitoring program provides supporting evidence for assessing the performance of the plant with respect to keeping population exposures as low as practicable. Therefore, the radiation environmental monitoring program, and changes thereto, involve no significant hazards considerations. The revised monitoring program is adequate to provide the necessary supporting evidence since it is based upon current Regulatory guidance on measuring radiation levels and radioactivity in the environs.

LICENSE AMENDMENT REQUEST DATED OCTOBER 15, 1975

EXHIBIT B

This exhibit consists of the following pages revised or added to incorporate the proposed Technical Specification change:

174
175
176
176A (new page)
176B (new page)
176C (new page)
179B

TABLE 4.8.1
(Page 1 of 4)

MONTICELLO NUCLEAR GENERATING PLANT
RADIATION ENVIRONMENTAL MONITORING PROGRAM
SAMPLE COLLECTION AND ANALYSIS

Type of Sample	Type of Analysis	Collection Site	Collection Frequency
River Water	GS (M)	1 Sample upstream within 1000 ft of intake canal 1 Sample downstream within 1000 ft of discharge canal	Monthly composite of weekly samples (water & ice conditions permitting)
	^{3}H (Q)		Quarterly composite of monthly composite
Drinking Water	GB, GS (M)	1 Sample from the City of Minneapolis Water Supply	Monthly composite of weekly samples
	^{3}H (Q)		Quarterly composite of monthly composite
Well Water	GS, ^{3}H	3 Samples from wells within 5 miles of plant site including the City of Monticello well 1 Sample from a well greater than 10 miles away	Quarterly
River Bottom Sediment Shoreline sediment	GS	1 Sample upstream of plant 1 Sample downstream of plant 1 Sample from the shoreline at a recreational area	Semi-annually (when available)
Periphyton or Macroinvertebrates	GS, $^{89,90}Sr$	1 Sample upstream of plant 1 Sample downstream of plant	Semi-annually (when available)

TABLE 4.8.1
(Page 2 of 4)

Type of Sample	Type of Analysis	Collection Site	Collection Frequency
Aquatic Vegetation	GS	1 Sample upstream of plant 1 Sample downstream of plant	Semi-annually (when available)
Clams	GS	1 Sample upstream of plant 1 Sample downstream of plant	Semi-annually (when available)
Fish (1 sample each of two game specie)	GS	2 Samples upstream of plant 2 Samples downstream of plant	Semi-annually (when available, water & ice conditions permitting)
Milk	^{131}I, ^{137}Cs,* $^{89,90}Sr$*	1 Sample at the offsite dairy farm having the highest X/Q 3 Samples from dairy farms calculated to have doses from ^{131}I > 1 mrem./yr 1 Sample from 10-20 mile location	Monthly
Topsoil	GS	From the 7 air sampling locations, and from 5 fields in the vicinity of the plant, including at least 2 fields irrigated with river water downstream of the plant.	Once every 3 years
Natural Vegetation	GS, ^{131}I	1 Sample from field having highest X/Q (same as for milk) 1 Sample from a field northwest of the plant (within 2 miles) 1 Sample from 10-20 mile location (Same as for milk)	Semi-annually

*Performed only on X/Q and Control Samples

TABLE 4.8.1

(Page 3 of 4)

Type of Sample	Type of Analysis	Collection Site	Collection Frequency
Small Mammal	GS (flesh & liver)	1 Sample within 1 mile of site 1 Sample 10-20 miles from the site	Semi-annually
Cultivated Crops			
Leafy Green Vegetables	^{131}I	1 Sample from nearest garden 1 Sample from 10-20 mile location	Annually (at harvest, if available)
Corn	GS	1 Sample from highest X/Q farm 1 Sample from 10-20 mile location	Annually (at harvest, if available)
Potatoes	GS	1 Sample from field irrigated with river water 1 Sample from 10-20 mile location	Annually (at harvest, if available)
Air (Particulates)	GB, GS(M)	3 locations in different sectors having the highest calculated ground level concentrations 1 location near residence having highest X/Q value 1 location near closest community 2 locations within 10-20 miles	Weekly

TABLE 4.8.1
(Page 4 of 4)

Type of Samples	Type of Analysis	Collection Site	Collection Frequency
Air (Radioiodine)	^{131}I	1 location near residence having highest X/Q value 1 location near closest community 1 location within 10-20 miles	Weekly
Air (TLD)	Gamma dose	2 dosimeters at each air particulate sampling location	Quarterly

Coding System
GB - Gross beta
GS - Gamma scan
M - Monthly
Q - Quarterly

Figure 4.8.1

MONTICELLO NUCLEAR GENERATING PLANT
RADIATION ENVIRONMENTAL MONITORING PROGRAM

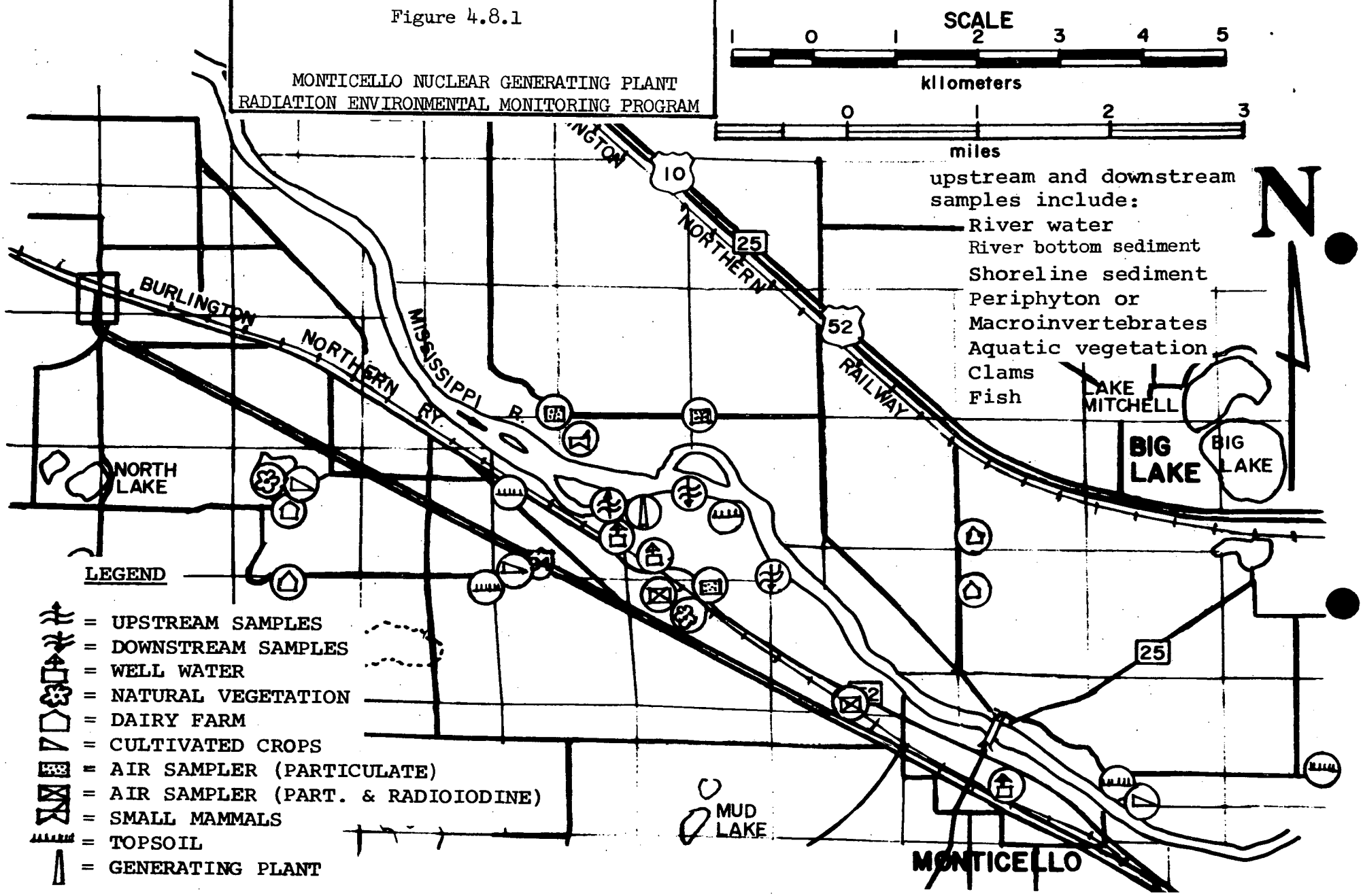
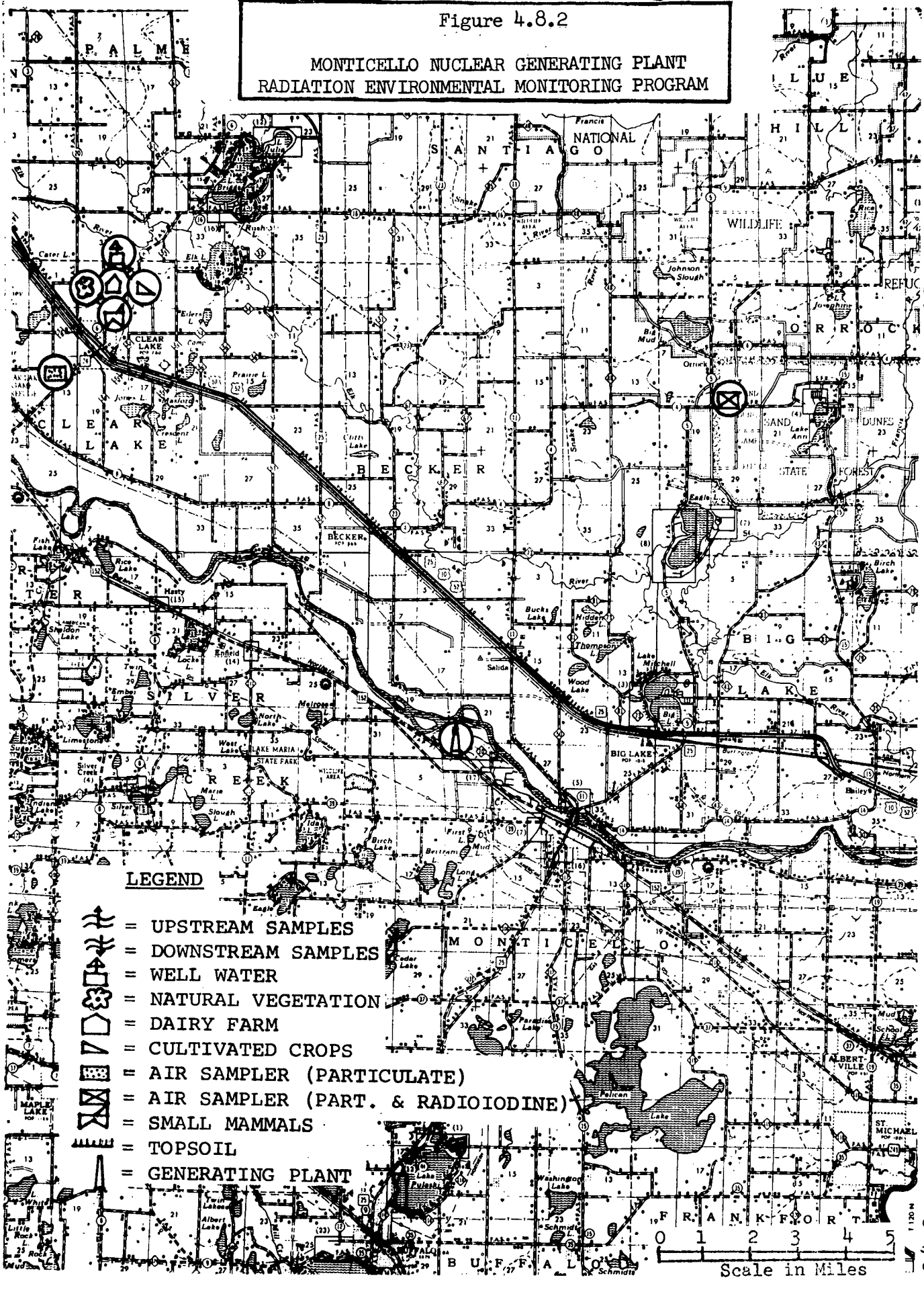


Figure 4.8.2

MONTICELLO NUCLEAR GENERATING PLANT
RADIATION ENVIRONMENTAL MONITORING PROGRAM



176 C REV

3.8/4.8

Bases Continued:

The frequency for monitoring or sampling has been established so that if the maximum amount of gross radioactivity is exceeded, action can be taken to reduce the radioactivity to a level below the specified limit.

F. Radiation Environmental Monitoring Program

The types of samples, the number and distribution of collection sites,and the types of analysis specified will provide data, which compared with preoperational background data, will verify the effectiveness of plant effluent control and indicate any measurable changes in environmental radioactivity due to plant operation.