

FEB 14 1986

Docket No. 50-461

Mr. Frank A. Spangenberg
Manager - Licensing and Safety
Clinton Power Station
P.O. Box 306
Mail Code V920
Clinton, Illinois 61727

Dear Mr. Spangenberg:

SUBJECT: CLINTON POWER STATION UNIT 1 - ACCEPTANCE OF THE ODCM

With your letter of December 23, 1985, you provided a reference document entitled, "Offsite Dose Calculation Manual, Rev. 1" dated December 1985 for Clinton Power Station, Unit 1. The staff has reviewed this submittal and finds that it generally uses documented and approved methods that are consistent with the methodology and guidelines in NUREG-0133, and is, therefore, an acceptable reference.

The comments provided in Enclosures 1, 2 and 3, identify several minor improvements that should be made in the next revision of the ODCM. A draft copy of these comments has been provided to T. L. Riley of your staff.

We find your ODCM, Rev. 1 to be acceptable and in compliance with Section 6.14.1 of the Clinton Technical Specifications. The staff's comments furnished in the enclosures need not be addressed prior to issuance of the operating license for the Clinton Station.

If you have any questions regarding this issue, please contact the staff's project manager for your application.

Sincerely,

Walter R. Butler, Director
BWR Project Directorate No. 4
Division of BWR Licensing

Enclosures:
As stated

cc: See next page

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

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Enclosures:
As stated

cc: See next page

Mr. Frank A. Spangenberg
Illinois Power Company

Clinton Power Station
Unit 1

cc:

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ENCLOSURE 1

Meteorology Review of the Clinton Unit 1 ODCM, Rev. 1

Contact: J. Levine, RSB-2

The meteorological portion (Section 7) of the Clinton-1 ODCM is acceptable. However, no site plan indicating the location of the onsite meteorological tower was provided.

In the next revision to the ODCM, provide a figure showing the location of the onsite meteorological tower that serves as the data source for use in preparing the semiannual radioactive effluent release report.

ENCLOSURE 2

Review of Clinton Unit 1 ODCM, Rev. 1:
Sections on Set Point Equations and Methodology

Contact: J. Lee, PSB-2

The portions of the Clinton-1 ODCM dealing with alarm and trip set points on early effluent release points for liquid and gaseous effluents are acceptable. However, correlation of these sections with the Clinton-1 Technical Specifications should be made.

In the next revision to the ODCM, the monitors required operable by Clinton Tech Spec 3.3.7.11 and Tech Spec 3.3.7.12 should be highlighted in ODCM Figures 2.5-1 and 3.3-1 and correlated with the appropriate equations and methodology in the ODCM text.

ENCLOSURE 3

Review of the Clinton Unit 1 ODCM, Rev. 1:

Sections on Offsite Dose Calculation and Radiological Environmental Monitoring

Contact: W. Meinke, PSB-2

The portions of the Clinton-1 ODCM not covered by the reviews of Enclosures 1 and 2 (i.e., section covering offsite dose calculations and the Radiological Environmental Monitoring Program) are acceptable. However, several points of clarification are needed in the Monitoring Program.

In the next revision to the ODCM, changes similar to those on pages 5-8 and 5-9, attached, should be made.

Table 5.0-1 (continued)

<u>EXPOSURE PATHWAY and/or SAMPLE TYPE</u>	<u>REQUIRED NUMBER OF REPRESENTATIVE SAMPLES AND SAMPLE LOCATIONS</u>	<u>REQUIRED SAMPLING AND COLLECTION FREQUENCY</u>	<u>REQUIRED TYPES AND FREQUENCY OF ANALYSIS</u>
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No milking animals within 8 km of the site were identified in the ^{most recent annual} land use survey.

1 sample from milking animals at a control location, 15-30 km distant and in the least prevalent wind direction.

<u>SECTOR</u>	<u>CODE</u>	<u>DISTANCE from station (miles)</u>	
WSW (control)	CL-116	16	
b. Fish and invertebrates	1 sample of each ^{three} commercially and recreationally important species in vicinity of plant discharge.	Sample in season or semiannually if they are not seasonal.	Gamma isotopic analysis on edible portions.

(such as —, —, —, —, or —)

<u>SECTOR</u>	<u>CODE</u>	<u>DISTANCE from station (miles)</u>	
E	CL-19	3.1	
c. Food Products	1 sample of each principal class of food products from any area that is irrigated by water in which liquid plant wastes have been discharged*.	At time of harvest	Gamma isotopic analysis on edible portions.

*No known usage of Salt Creek water for irrigation in DeWitt, Logan, Menard, or Cass Counties. This information is checked annually as part of the Land Use Census.

CLINTON-1	1 sample of same species in areas not influenced by plant-discharge	5-8	Rev. 1-11/85
<u>SECTOR</u>	<u>CODE</u>	<u>DISTANCE from station (miles)</u>	

Table 5.0-1 (continued)

<u>EXPOSURE PATHWAY and/or SAMPLE TYPE</u>	<u>REQUIRED NUMBER OF REPRESENTATIVE SAMPLES AND SAMPLE LOCATIONS</u>	<u>REQUIRED SAMPLING AND COLLECTION FREQUENCY</u>	<u>REQUIRED TYPES AND FREQUENCY OF ANALYSIS</u>
c. Food Products (Cont.)	Samples of 3 different kinds of broad leaf vegetation, grown nearest each of two different offsite locations of highest pre- dicted annual average ground- level D/Q if milk sampling is not performed.	Monthly when available (such as —, —, —, —, or —)	Gamma isotopic and I-131 analysis.
<u>SECTOR</u>	<u>CODE</u>	<u>DISTANCE from station (miles)</u>	
NE	CL-115	0.9	
E	CL-18	2.5	
	1 sample of each of the similar broad leaf vege- tation grown 15-30 km distant in the least prevalent wind direction if milk sampling is not performed.		
<u>SECTOR</u>	<u>CODE</u>	<u>DISTANCE from station (miles)</u>	
SSE (Control)	CL-114	12.5	