

ATTACHMENT

Revisions to the Offsite Dose Calculation Manual (ODCM) are reportable to the NRC in accordance with this station's technical specifications.

Braidwood Station's Radiological Environmental Monitoring Program (REMP) has been updated to identify new dairy ownership and/or locations for milk sampling are as follows:

BD-11 Morris Farm, 2.4 mi E was retitled to the Morris/Mack Farm to indicate there is owner/operator relationship. This change is to provide consistent reporting in the ODCM, the Annual Radiological Environmental Operating Report and the REMP Contractor's Monthly Report of analysis results.

BD-17 Trotter's Dairy, 4.8 mi NW (7.7 km Q) was changed to Halpin's Dairy, 5.5 mi SSW (8.8 km K).

BD-23 Klausling's Farm, 4.3 mi E (6.9 km E) was added.

The changes do not reduce the accuracy and reliability of the setpoint determinations or model methodology.

Braidwood On-site Review and Investigation Report

OSR Number: 90-131 Date: 12-4-90
Subject Review: Offsite Dose Calculation Manual, Braidwood
Chapter 11, Environmental Radiological Monitoring
Table 11-1

Requested by: I. M. Johnson, EP Director / Lauren A. Boyle (Braidwood)

- Disciplines Required:
- A Nuclear Power Plant Technology
 - B Reactor Operations
 - C Reactor Engineering
 - D Chemistry
 - E Radiation Protection
 - F Instrumentation and Control
 - G Mechanical and Electrical Systems

Participants: HP SUPV
TSS
Res. Ass. SUPV

OSR Membership Approved [Signature] 12-5-90
Technical Staff Supervisor / Date

10CFR50.59 Safety Evaluation is Required? - - - - - Y/N N
If yes, attach completed documentation in accordance with BwAP 1205-6.

Concurrence Required by Offsite Review? (per Section C.10) - - - Y/N N

Findings and Recommendations:

Updated to identify new dairy ownership and/or locations for milk sampling in accordance with the Technical Specifications. Recommend approval.

On-Site Review Committee: Signature indicates concurrence with Findings and Recommendations and 10CFR50.59 Safety Evaluation.

Signatures	Discipline(s)	Date
<u>Lauren A. Boyle</u>	<u>ABEM</u>	<u>12-5-90</u>
<u>[Signature]</u>	<u>E</u>	<u>12-5-90</u>
<u>David J. Miller</u>	<u>ADDC</u>	<u>05DEC90</u>

Approved by: [Signature] 12/5/90
STATION MANAGER DATE

APPROVED
MAY 03 1990
BRAIDWOOD

Procedure/Test/Modification Number: Offsite Dose Calculation Manual Rev. # 0.3

Title: Bradwood Chapt 11, Environmental Radiological Monitoring, Table 11-1

- 1... Description of the change(s) to the procedure or test or description of the Mod:
updated to identify new dairy ownership and/or locations for milk sampling
- 1.b. Purpose of the change(s) to the procedure or test or purpose of the Mod:
provide consistent reporting in the ODCM, monthly Teledyne rept and Annual Radiological Environmental Operating Report
- 1.c. List systems and components affected:
N/A
- 2. List reference documents reviewed which describe the components or administrative controls applicable to the procedure or test. Proposed tests must include review of UFSAR chapter 14.

REVIEW DOCUMENTS REVIEWED

- | | |
|--------------------------------------|-------------------------------------------------|
| a. UFSAR Section(s) <u>3/4.12</u> | f. Fire Protection Report Section(s) <u>N/A</u> |
| b. SER Section(s) <u>N/A</u> | g. JIO's _____ |
| c. Tech Specs _____ | h. CFR's _____ |
| d. Previous Safety Evaluations _____ | i. Reg. Guides _____ |
| e. Unit Operating License _____ | j. Other <u>ODCM Chapter 11</u> |

- 3. State the effects of the proposed change on the following functions:
 - a) Site or Security N/A
 - b) Mechanical _____
 - c) Structural _____
 - d) Electrical _____
 - e) Instrument and Control _____
 - f) Fire Protection _____
 - g) Radiological _____
 - h) Flood Protection _____
 - i) Administrative Control ✓

NOTE: FOR MODIFICATIONS, SETPOINT CHANGES, COMPONENT REPLACEMENTS, QUESTIONS 4, 5, AND 6 ARE NOT APPLICABLE.

- 4. Does the procedure or procedure revision constitute a change to a procedure as described in the UFSAR? YES () NO (✓)
- 5. Does the test involve operating methods or configurations contrary to those as described in the UFSAR? YES () NO (✓)
- 6. Is a Tech. Spec. change required? YES () NO (✓)

- If ALL of the answers in 4, 5, or 6 are NO, this evaluation is complete.
- If ANY of the answers in 4, 5, or 6 are YES, answer the 10 CFR 50.59 questions on BWAP 1205-6T1.

APPROVED

APR 13 1989

BRADWOOD

(Final)

Laura A. Boyle 12-5-90
Prepared By

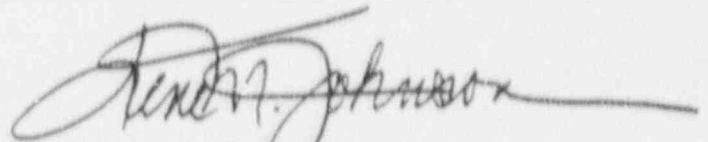
November 16, 1990

To: K. Kofron
Braidwood Station

Subject: Onsite Review of Braidwood Station ODCM Annex, Rev. 0.B

The enclosed revisions have been prepared for approval. Table 11-1 on page 11-7 has been updated to show the Morris/Mack, Halpin's and Klausling's Dairies. Milk samplings for the Radiological Environmental Monitoring Program occur at these locations. Subsequent changes are found in the Index on page 11-1 and to Figure 11-3 on page 11-17.

Please contact B. Ferguson on X8154, if you have questions.



I. M. Johnson
Emergency Preparedness
Director

IMJ/smy
Attachments

cc: L. Boyle
J. Golden
EPG-20-M25

BRAIDHOOD ANNEX INDEX

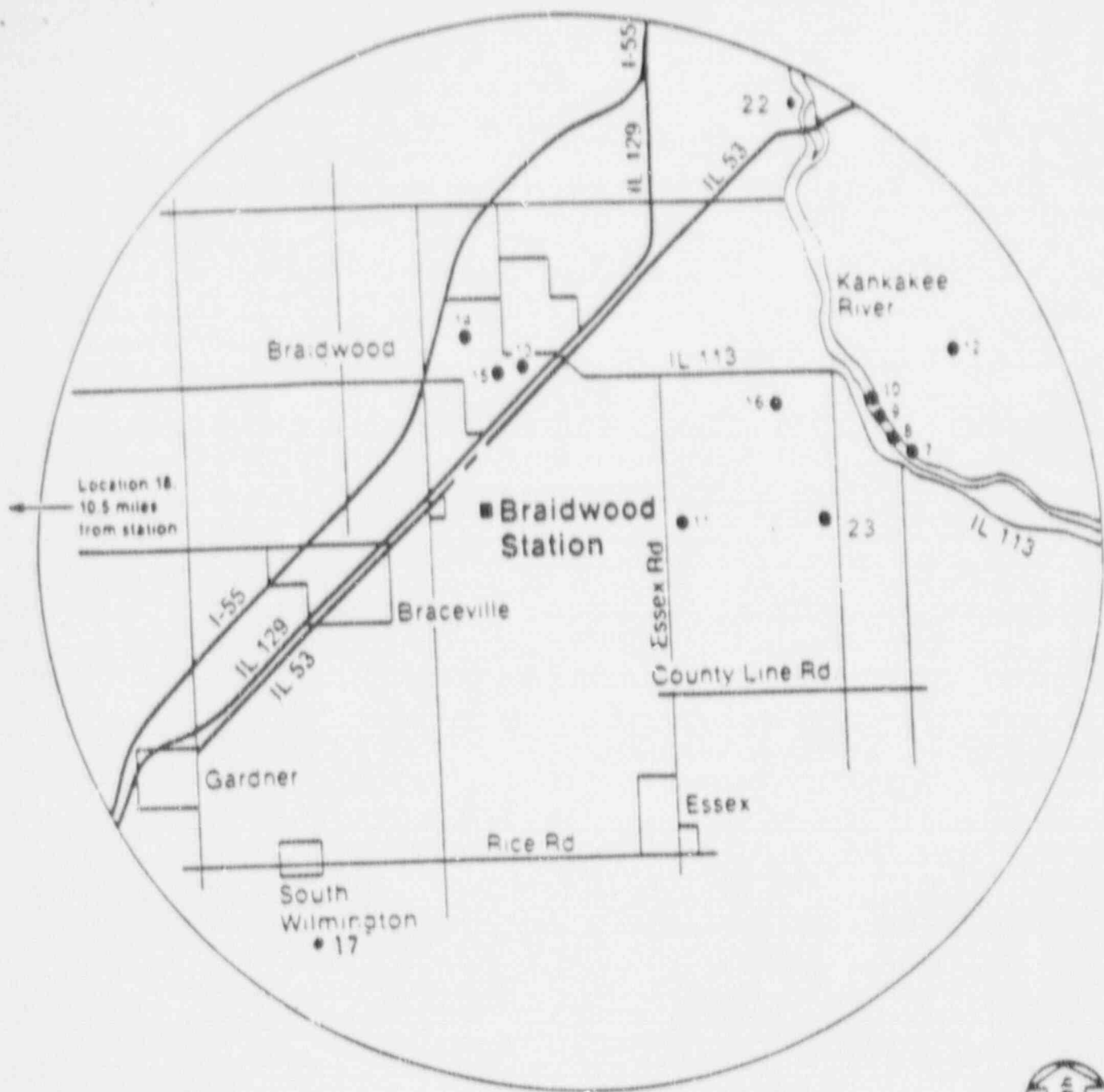
PAGE REVISION

CHAPTER 11

11-1	O.B
11-11	O.A
11-111	O.A
11-1v	O.A
11-1	O
11-2	O
11-3	O
11-4	O
11-5	O
11-6	O.A
11-7	O.B
11-8	O
11-9	O.A
11-10	O.A
11-11	O
11-12	O.A
11-13	O
11-14	O
11-15	O
11-16	O
11-17	O.B

Table 11-1 (Cont'd)

Exposure Pathway and/or Sample	Sampling or Monitoring Locations ^a	Sampling or Collection Frequency	Type and Frequency of Analysis
3. <u>Waterborne^e</u> (Cont'd)			
d. <u>Cooling Water</u>	BD-08, Intake Pipe No. 3, 5.0 mi E (8.0 km E) BD-09, Discharge Pipe No. 4, 5.0 mi E (8.0 km E)	Weekly Weekly	Gross beta analysis
e. <u>Shoreline Sediments</u>	BD-10, Kankakee River downstream of discharge, 5.0 mi ENE (8.0 km D)	Semiannually	Gamma isotopic analysis on each sample.
4. <u>Ingestion^e</u>			
a. <u>Milk</u>	<u>Indicators</u> BD-11, Morris/Mack Farm, 2.4 mi E (3.9 km E) BD-17, Halpin's Dairy, 5.5 mi SSW (8.8 km K) BD-23, Klausling's Farm, 4.3 mi E (6.9 km E)	Semi-monthly: May to October Monthly: November to April	Gamma isotopic and I-131 analysis on each sample.
	<u>Controls</u> BD-18, Biros Farm, 10.5 mi W (16.9 km N)		
b. <u>Fish</u>	BD-07, Kankakee River upstream of discharge, 5.4 mi E (8.7 km E) BD-10, Kankakee River downstream of discharge, 5.0 mi ENE (8.0 km D)	Three times a year (spring, summer, and fall)	Gamma isotopic analysis on edible portions.
c. <u>Vegetables</u>	BD-14, Pinnick Farm, 1.8 mi N (2.9 km A) BD-15, Girof Farm, 1.4 mi N (2.2 km A) BD-16, Clark Farm, 3.3 mi ENE (5.5 km D)	Annually	Gamma isotopic analysis on edible portions.



Scale



OFFSITE DOSE CALCULATION MANUAL
BRAIDWOOD STATION

FIGURE 11-3

INGESTION AND WATERBORNE EXPOSURE
PATHWAY SAMPLE LOCATIONS