



Commonwealth Edison
Braidwood Nuclear Power Station
Route #1, Box 84
Braceville, Illinois 60407
Telephone 815/458-2801

May 10, 1992
BW/92-0259

Director, Office of Resource Management
United States Nuclear Regulatory Commission
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the Monthly Performance Report covering Braidwood Nuclear Power Station for the period April 1 through April 30, 1992.

K. L. Kofron
Station Manager
Braidwood Nuclear Station

KLK/JL/d1a
(560/ZD85G)

Attachments

cc: A. B. Davis, NRC, Region III
NRC Resident Inspector Braidwood
Ill. Dept. of Nuclear Safety
M. J. Wallace
E. D. Eenigenburg
T. J. Kovach
Nuclear Fuel Services, PWR Plant Support
INPO Records Center
Performance Monitoring Group, Tech Staff Braidwood Station
Nuclear Group, Tech Staff Braidwood Station
R. Pulsifer - USNRC
T. W. Simpkin
D. R. Eggett - Nuclear Engineering Department

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PDR ADDCK 05000456
R PDR

JEH

BRAIDWOOD NUCLEAR POWER STATION

UNIT 1 AND UNIT 2

MONTHLY PERFORMANCE REPORT

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-456, LICENSE NO. NPF-72

NRC DOCKET NO. 050-457, LICENSE NO. NPF-77

I. Monthly Report for Braidwood Unit 1

A. Summary of Operating Experience

Braidwood Unit 1 entered the month of April, 1992 at approximately 99% power. The Unit operated routinely with no significant power reductions through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 05/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

OPERATING STATUS

1. Reporting Period: April, 1992 Gross Hours: 719
2. Currently Authorized Power Level (MWt): 3411
 Design Electrical Rating (MWe-gross): 1175
 Design Electrical Rating (MWe-net): 1120
 Max Dependable Capacity (MWe-gross): 1175
 Max Dependable Capacity (MWe-net): 1120
3. Power level to which restricted (If Any): None
4. Reasons for restriction (If Any): None

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Report period Hours:	719.0	2903.0	32912.0
6. Hours Reactor Critical:	719.0	2837.7	25117.9
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	719.0	2818.5	24650.5
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	2412147	9229651	74214167
11. Gross Elec. Energy (MWH):	818356	3144926	25467118
12. Net Elec. Energy (MWH):	788867	3026576	24328500
13. Reactor Service Factor:	100.0	97.8	76.3
14. Reactor Availability Factor:	100.0	97.8	76.3
15. Unit Service Factor:	100.0	97.1	74.9
16. Unit Availability Factor:	100.0	97.1	74.9
17. Unit Capacity Factor (MDC net):	98.0	93.1	66.0
18. Unit Capacity Factor (DER net):	98.0	93.1	66.0
19. Unit Forced Outage Rate:	0.0	2.9	11.6
20. Unit Forced Outage Hours:	0.0	84.5	3236.3
21. Shutdowns Scheduled Over			
Next 6 Months:		Refueling Outage - September, 1992	
22. If Shutdown at End of Report Period,			
Estimated Date of Startup:			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 05/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

MONTH: April, 1992

1. _____	1117	_____	17. _____	1111	_____
2. _____	1115	_____	18. _____	1110	_____
3. _____	1114	_____	19. _____	1019	_____
4. _____	1114	_____	20. _____	1050	_____
5. _____	1113	_____	21. _____	1049	_____
6. _____	1110	_____	22. _____	1052	_____
7. _____	1110	_____	23. _____	1051	_____
8. _____	1111	_____	24. _____	1107	_____
9. _____	1110	_____	25. _____	1115	_____
10. _____	1108	_____	26. _____	1115	_____
11. _____	1107	_____	27. _____	1098	_____
12. _____	1108	_____	28. _____	1112	_____
13. _____	1108	_____	29. _____	1107	_____
14. _____	1107	_____	30. _____	1047	_____
15. _____	1103	_____	31. _____		_____
16. _____	1105	_____			

INSTRUCTIONS

On this form list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

F. LICENSEE EVENT REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1992. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73.

<u>Licensee Event Report Number</u>	<u>Report Date</u>	<u>Title of Occurrence</u>
92-004	04/22/92	Containment Isolation Valve Closure Caused by Jumper Installation on Wrong Terminal Points.
92-005	04/30/92	Entry into Technical Specification 3.0.3 due to Pressure Channel Failure.

1. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 entered the month of April, 1992 at approximately 99% power. The Unit operated routinely with no significant power reductions through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 05/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

OPERATING STATUS

1. Reporting Period: April, 1992 Gross Hours: 719
2. Currently Authorized Power Level (MWt): 3411
 Design Electrical Rating (MWe-gross): 1175
 Design Electrical Rating (MWe-net): 1120
 Max Dependable Capacity (MWe-gross): 1175
 Max Dependable Capacity (MWe-net): 1120
3. Power level to which restricted (If Any): None
4. Reasons for restriction (If Any): None

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Report period Hours:	719.0	2903.0	30994.0
6. Hours Reactor Critical:	719.0	2789.3	25555.9
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	719.0	2776.9	25316.9
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	2356176	9003842	74359393
11. Gross Elec. Energy (MWH):	813020	3104018	25461458
12. Net Elec. Energy (MWH):	783870	2988062	24350957
13. Reactor Service Factor:	100.0	96.1	82.5
14. Reactor Availability Factor:	100.0	96.1	82.5
15. Unit Service Factor:	100.0	95.7	81.7
16. Unit Availability Factor:	100.0	95.7	81.7
17. Unit Capacity Factor (MDC net):	97.3	91.9	70.1
18. Unit Capacity Factor (DER net):	97.3	91.9	70.1
19. Unit Forced Outage Rate:	0.0	4.3	4.1
20. Unit Forced Outage Hours:	0.0	126.1	1073.9
21. Shutdowns Scheduled Over Next 6 Months:		None	
22. If Shutdown at End of Report Period, Estimated Date of Startup:			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOGDOCKET NO.: 50-457
UNIT: Braidwood 2
DATE: 05/10/92
COMPILED BY: C. E. Pershey
TELEPHONE: (815)458-2801
ext. 2173

MONTH: April, 1992

1. _____	* 1121	17. _____	* 1130
2. _____	* 1122	18. _____	* 1130
3. _____	1120	19. _____	* 1127
4. _____	1120	20. _____	1119
5. _____	912	21. _____	* 1126
6. _____	745	22. _____	* 1128
7. _____	812	23. _____	* 1129
8. _____	1074	24. _____	* 1127
9. _____	1103	25. _____	* 1129
10. _____	1100	26. _____	* 1130
11. _____	* 1124	27. _____	* 1129
12. _____	1034	28. _____	* 1129
13. _____	* 1126	29. _____	* 1127
14. _____	* 1127	30. _____	* 1128
15. _____	* 1128	31. _____	
16. _____	* 1130		

INSTRUCTIONS

On this form list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

* Due to Condenser Efficiency.

F. LICENSEE EVENT REPORTS - UNIT 2

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1992. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73.

<u>Licensee Event Report Number</u>	<u>Report Date</u>	<u>Title of Occurrence</u>
92-002	04/13/92	Main Feedwater Isolation Caused by Personnel Error

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 05/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: April, 1992

<u>No</u>	<u>DATE</u>	<u>TYPE</u>	<u>HOURS</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE</u>
NONE									

 * S U M M A R Y *

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM & COMPONENT</u>
F-Forced	A-Equipment Failure Maint or Test	1 - Method	Exhibit F & H
S-Scheduled	C-Refueling	2 - Manual Scram	Instructions for Preparation of
	D-Regulatory Restriction	3 - Auto Scram	Data Entry Sheet
	E-Operator Training & License Examination	4 - Continued	Licensee Event Report
	F-Administration	5 - Reduced Load	(LER) File (NUREG-0161)
	G-Oper Error	9 - Other	
	H-Other		

E. UNIQUE REPORTING REQUIREMENTS

1. Safety/Relief valve operations.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
	None			

2. Licensee generated changes to ODCM.

See attached.

D. UNIT SHUTDOWNS/REDUCTIONS

SI NO.: 457
 UNIT: Grandwood 2
 DATE: 05/11/92
 FILED BY: C. E. Parshey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: April, 1992

<u>No</u>	<u>DATE</u>	<u>TYPE</u>	<u>HOURS</u>	<u>REASON</u>	<u>METHOD</u>	<u>LER NUMBER</u>	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE</u>
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None

 * SUMMARY *

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM & COMPONENT</u>
F-Forced	A-Equipment Failure Maint or Test	1 - Method	Exhibit F & H Instructions for Preparation of Data Entry Sheet Licensee Event Report (LER) File (NUREG-0161)
S-Scheduled	C-Refueling	2 - Manual Scram	
	D-Regulatory Restriction	3 - Auto Scram	
	E-Operator Training & License Examination	4 - Continued	
	F-Administration	5 - Reduced load	
	G-Oper Error	9 - Other	
	..-Other		

E. UNIQUE REPORTING REQUIREMENTS - UNIT 2

1. Safety/Relief valve operations.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
	None			

2. Licensee generated changes to ODCM.

See attached.

CHANGES TO THE OFFSITE DOSE CALCULATION MANUAL

Changes to the Offsite Dose Calculation Manual (ODCM) are reportable to the Nuclear Regulatory Commission (NRC) in accordance with station Technical Specifications.

Revision 0.G to the Braidwood Annex identifies a new dairy for milk sampling, BD-27, Prussner Farm, replacing BD-11, Mack/Morris Dairy.

This revision does not reduce the accuracy or reliability of dose calculations or setpoint determinations, and has been reviewed and found acceptable by the Onsite Review and Investigative Function.

Braidwood On-site Review and Investigation Report

OSR Number: 92-037 Date: 4/23/92

Subject Review: Revision 0.9 of the Offsite Dose Calculation Manual
(ODCM), Braidwood Station Annex.

Requested by: Kim Aleshire

- 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: RP Supervisor EP Coordinator
TSS
OE

OSR Membership Approved Michael J. Propper 4/29/92
 Technical Staff Supervisor / Date

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

Concurrence Required by Offsite Review? (per Section C.6) - - - Y/ N

Findings and Recommendations:

Updated to identify a new dairy for milk sampling in accordance with 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>Kim Aleshire</u>	<u>E</u>	<u>4-29-92</u>	APPROVED JUL 09 1991 BRAIDWOOD ON-SITE REVIEW
<u>Michael J. Propper</u>	<u>ABG</u>	<u>4/29/92</u>	
<u>Bill Hill</u>	<u>E</u>	<u>4-30-92</u>	
<u>Ron Jung</u>	<u>ABFG</u>	<u>4-30-92</u>	

Approved by: [Signature] 4/30/92
 STATION MANAGER DATE

BRAIDWOOD ON-SITE REVIEW AND INVESTIGATION REPORT

OSR No. _____ - _____

* NOTE *
* This checklist is provided as guidance for OSR *
* preparation and review. Items should be *
* completed as appropriate. *

Preparer
App. N/A

I. SYNOPSIS FORMAT

- Purpose New dairy farm for milk samples
- Executive Summary of Findings and Recommendations
- References
- Bases of Findings and Recommendations
- Contingency Actions Recommended

II. DOCUMENTATION REVIEWED: (List Applicable Sections in Synopsis)

- UFSAR 3/5/91
- Tech Specs. 3/4/92 Environmental Monitoring
- Admin Tech Requirements
- Safety Evaluation Report
- Fire Protection Report
- Prior 10CFR50.59 Safety Evals
- NRC Commitments
- Vendor Documentation
- Special Permits/Licenses
- Station Procedures
- Environmental Qualification
- Design Basis Documentation
- Drawings
- Maint. History (TJM)
- NPRDS
- PRA Info.
- Prior NED OE 40.1 Operability Evaluations

III. PLANT CONDITIONS: (Discuss Applicable Items in Synopsis)

- Applicable Modes
- Work In-Progress/Planned
- Temporary Alteration Installed
- Out-of-Service
- Degraded Equipment Log
- Abnormal Valve Lineups
- Effect on Opposite Train
- Effect on Other Unit
- Effect on Other Station
- Training Required

IV. OTHER CONSIDERATIONS: (Discuss Applicable Items in Synopsis)

- Consistency (dates, document no.s, values, EID's etc.)
- Grammar (Continuity, spelling, flow, etc.)
- Engineering Review of A/E Calculations and Assumptions Adequately Documented
- Reportability (10CFR21, 10CFR72, etc)

Prepared by: Kenn Abden

APPROVED

JUL 09 1991

10CFR50.59 SCREENING FOR PROCEDURE CHANGES, TESTS, EXPERIMENTS AND
EDITORIAL UFSAR CHANGES

Screening Number _____
(Assigned by Regulatory Assurance)

Procedure Number _____

Title of Procedure, Test, Experiment, UFSAR Section Revision 0.9 of the
Offsite Dose Calculation Manual Braidwood Station Annex

Description of Change(s) Updated to identify a new clause for milk sampling

Unit 4 Applicable Modes 4A
Other relevant plant conditions NA

* CAUTION *
* THE IMPACT OF ALL CHANGES MUST BE CONSIDERED *
* IN THIS REVIEW. *

* NOTE *
* Where the preparer is confident that a *
* 10CFR50.59 Screening will indicate that a *
* Safety Evaluation is required, it is *
* permissible to proceed directly to the Safety *
* Evaluation per BWAP 1205-6T1. *

1. Is this change an editorial change to an EXISTING procedure? This includes but is not limited to the following:

YES NO

- Reworking without changing actions to be accomplished;
- Addition of clarifying information, such as:
 - a. Location of components,
 - b. Lists of required tools
- Changes to personnel proper names or phone numbers
- Spelling, grammar, or punctuation changes
- Format changes (changes to form but not action)

APPROVED

MAR 11 1991

- Other. Provide justification as to why this change is an administrative change: _____

Is the full scope of this change encompassed by one or more of the above?

- YES - Proceed to Step 7.
- NO - Proceed to Step 2.

2. List the applicable SAR and Technical Specification Sections reviewed for this 10CFR50.59 Screening: Tech Spec. 3/4/12, FAR 13

3. Does the affected procedure do any of the following?

- a. Establish administrative controls described in the SAR
- b. Control plant operating conditions described in the SAR
- c. Implement specific SAR commitments

- YES - STOP and perform a Safety Evaluation per BwAF 1205-6T1. This form may be discarded.
- NO - Proceed to Step 4.

4. Is the affected procedure or procedural activity outlined, summarized, or completely described in the SAR or Technical Specifications?

- YES - STOP and perform a Safety Evaluation per BwAF 1205-6T1. This form may be discarded.
- NO - Proceed to Step 5.

5. Does the procedure perform tests or experiments not described in the SAR or change the procedure for performing tests/experiments previously approved in accordance with 10CFR50.59?

- YES - STOP and perform a Safety Evaluation per BwAF 1205-6T1. This form may be discarded.
- NO - Proceed to Step 6.

CORRECTED
MAR 25 1991

APPROVED

MAR 11 1991

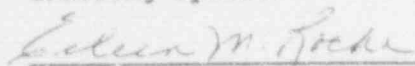
6. Is a revision to BwAP 1205-6A2 needed to add or delete procedures, systems or equipment exempt from 10CFR50.59 review, including changes to the title of a procedure?
- YES - Fill out BwAP 1205-6T10 to request the change.
- NO - Proceed to Step 7.
7. Get Screening Number from Regulatory Assurance and write on Page 1 of this Screening or complete BwAP 1205-6T8.
8. Proceed with changes - based on this evaluation, the proposed change:
- a. Will not change procedures described in the SAR
 - b. Will not result in a test/experiment not described in the SAR
 - c. Will not change the technical content of the UFSAR


Preparer Signature

4-27-92
Date

9. Review - the reviewer ensures the following:
- a. All applicable questions are properly completed
 - b. No Safety Evaluation is required

Sign below and send a copy to Regulatory Assurance to be entered into the tracking system.


Reviewer Signature

4-28-92
Date

(Final)

BRAIDWOOD
BRAIDWOOD ANNEX INDEX

REVISION O.G
MAY 1992

PAGE REVISION

CHAPTER 11

11-1	O.G
11-11	O.A
11-111	O.A
11-1v	O.A
11-1	0
11-2	0
11-3	0
11-4	0
11-5	O.G
11-6	O.G
11-7	O.G
11-8	0
11-9	O.A
11-10	O.A
11-11	0
11-12	O.A
11-13	0
11-14	0
11-15	0
11-16	0
11-17	O.G

Table 11-1 (Cont'd)

<u>Exposure Pathway and/or Sample</u>	<u>Sampling or Monitoring Locations^a</u>	<u>Sampling or Collection Frequency</u>	<u>Type and Frequency of Analysis</u>
2. <u>Direct Radiation</u> (Cont'd)	BD-209-1, 4.8 mi S (7.7 km J) BD-209-2, 4.8 mi S (7.7 km J) BD-210-1, 4.9 mi SSW (7.9 km K) BD-210-2, 4.9 mi SSW (7.9 km K) BD-211-1, 4.8 mi SW (7.7 km L) BD-211-2, 4.8 mi SW (7.7 km L) BD-212-1, 4.7 mi WSW (7.6 km M) BD-212-2, 4.7 mi WSW (7.6 km M) BD-213-1, 4.5 mi W (7.2 km N) BD-213-2, 4.5 mi W (7.2 km N) BD-214-1, 4.3 mi WNW (6.9 km P) BD-214-2, 4.3 mi WNW (6.9 km P) BD-215-1, 4.5 mi NW (7.2 km Q) BD-215-2, 4.5 mi NW (7.2 km Q) BD-216-1, 4.4 mi NNW (7.1 km R) BD-216-2, 4.4 mi NNW (7.1 km R) Lake - 1, 1.0 mi E (1.6 km E) Lake - 2, 1.4 mi S (2.2 km J)	Quarterly	Gamma dose quarterly on each TLD.
	c. <u>Special Interest</u>		
	<u>Indicators</u>		
	Two TLDs at each of the airborne pathway indicator locations specified in Part 1 of this table.		

Table 11-1 (Cont'd)

<u>Exposure Pathway and/or Sample</u>	<u>Sampling or Monitoring Locations^a</u>	<u>Sampling or Collection Frequency</u>	<u>Type and Frequency of Analysis</u>
2. <u>Direct Radiation</u> (Cont'd)	<u>Controls</u> Two TLDs at each of the airborne pathway control locations specified in Part 1 of this table.		Gamma dose quarterly on each TLD.
3. <u>Waterborne^e</u>			
a. <u>Public Water</u>	BD-2?, Wilmington, 5.0 mi NNE (8.0 km B)	Weekly	Gross beta and gamma isotopic analyses monthly composite. Tritium analysis on quarterly composite.
b. <u>Surface</u>	BD-07, Kankakee River upstream of discharge, 5.4 mi E (8.4 km E)	Weekly	Gamma isotopic analysis on monthly composite from each location. Tritium analysis on quarterly composite from each location.
	BD-10, Kankakee River downstream of discharge, 5.0 mi ENE (8.0 km D)		
	BD-25, Kankakee River upstream of discharge, 9.6 mi E (15.4 km E)		
c. <u>Ground/Well</u>	BD-13, Braidwood City Hall Well, 1.7 mi NNE (2.7 km B)	Biweekly ^f	Gross beta and gamma isotopic analysis on monthly composite. Tritium analysis on quarterly composite. I-131 analysis biweekly when the dose calculated for consumption is greater than 1 mrem/yr.

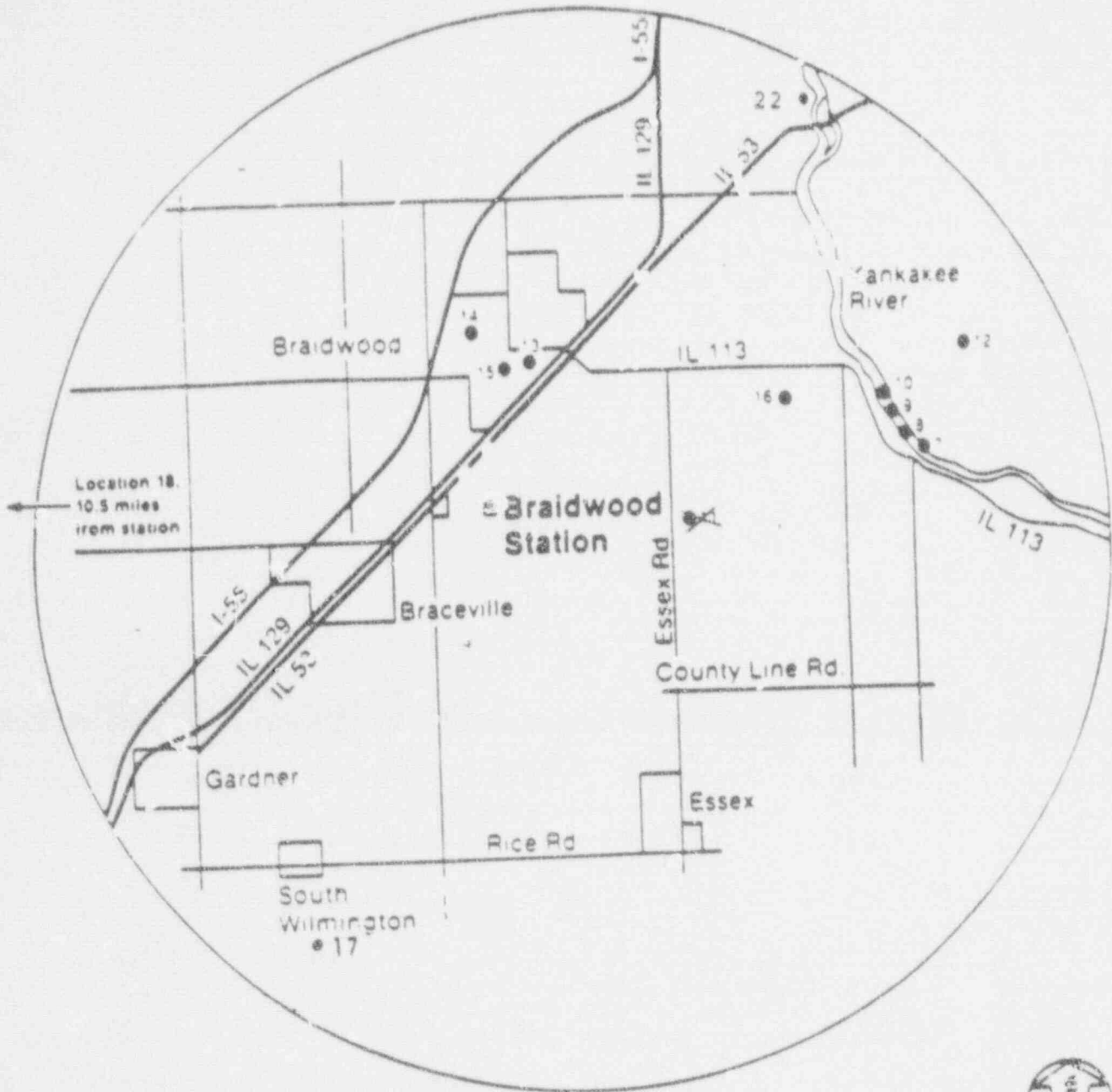
3. Waterborne^e
(Cont'd)

- d. Cooling Water BD-08, Intake Pipe No. 3, 5.0 mi E (8.0 km E) Weekly
BD-09, Discharge Pipe No. 4, 5.0 mi E
(8.0 km E) Gross beta analysis
- e. Shoreline
Sediments BD-10, Kankakee River downstream of
discharge, 5.0 mi ENE (8.0 km D) Semianually
Gamma isotopic
analysis on each
sample.

4. Ingestion^e

- a. Milk Indicators Semimonthly: May to October
Monthly: November to April Gamma isotopic and
I-131 analysis on each
sample.
- BD-17, Halpin's Dairy, 5.5 mi SSW
(8.8 km K)
BD-26, Gaddis Farm, 11.0 mi ESE
(17.6 km F)
BD-27, Prussner Farm, 11.0 mi S, (17.7 km J)
- Controls
- BD-18, Biros Farm, 10.5 mi W (16.9 km N)
- b. Fish BD-07, Kankakee River upstream of discharge, Three times a year (spring,
5.4 mi E (8.7 km E) summer, and fall) Gamma isotopic
analysis on edible
portions.
- BD-10, Kankakee River downstream of
discharge, 5.0 mi ENE (8.0 km D)
- c. Vegetables BD-14, Pinnick Farm, 1.8 mi N (2.9 km A) Annually
BD-15, Girot Farm, 1.4 mi N (2.2 km A)
BD-16, Clark Farm, 3.3 mi ENE (5.5 km D) Gamma isotopic
analysis on edible
portions.

This page is reserved for Figure 11-3



Location 18.
10.5 miles
from station



OFFSITE DOSE CALCULATION MANUAL
BRAIDWOOD STATION

FIGURE 11-3
INGESTION AND WATERBORNE EXPOSURE
PATHWAY SAMPLE LOCATIONS