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At 0526 on July 4, 1987, Radiation Monitor IRE-PR02J was declared inoperable. This then required that grab samples be taken, and be analyzed once per 12 hours. A sample was taken at 0745. The analysis could not be completed, however, due to data storage limitations in the counting room computer, caused by a large number of samples having been stored in the computer from the previous 3 days. The problem was rectified by Chemistry personnel, and at 2039 on July 4, 1987, the sample was analyzed, 3 hours and 13 minutes late.

The cause of this event was insufficient data storage room in the disc drive of the counting room computer. Additional disc drives are now in the counting room awaiting activation. This will provide ample storage space.

IE22 V

There have been no previous occurrences.



FACILITY NAME (1)	DOCKET NUMBER (2)	LER	NUMBER	Page (3)				
		Year	11/1	Sequential . Number	/// Revision Number			
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A. PLANT CONDITIONS PRIOR TO EVENT:

Unit: <u>Braidwood 1</u>: Event Date: <u>07/04/87</u>: Event Time: <u>1726</u> MODE <u>2</u> - <u>Startup</u> Rx Power <u>1%</u> RCS [AB] Temperature/Pressure <u>557°F/2235 psig</u>

B. DESCRIPTION OF EVENT:

There were no systems or components out of service at the beginning of this event that contributed to the event.

At 0526 on July 4, 1987, the Essential Service Water (SX) [BI] Radiation Monitor for Reactor Containment Fan Coolers 1A and 1C Radiation Monitor 1RE-PR02J [IL] was declared inoperable, and the Limiting Condition for Operations Action Requirement (LCOAR) was entered. This required that samples be taken and analyzed once per 12 hours. The normal process used to verify radioactivity levels is to obtain a grab sample and analyze it using i High Purity Germanium Detector (HPGe). The HPGe uses a computer system to do the data analysis, and also store the information. A computer generated report is then automatically issued. A normal logon to the computer will ask the technician whether it should delete files greater than 3 days old. A sample was taken at 0745 on July 4, 1987, but was not analyzed due to continued aborting by the counting room computer. After repeated attempts to analyze the sample, computer files were purged to make room on the computer disc drive. This still left insufficient disc drive space and the analysis continued to abort. Finally, computer files were deleted and the analysis was completed at 2039 on July 4, 1987. This exceeded the time limit by 3 hours and 13 minutes

Operator action neither increased nor decreased the severity of the event, and the plant remained in a stable condition throughout the event.

This event is reportable pursuant to the requirements of 10 CFR 50.7(a)(2)(i) - Any operation or condition prohibited by the plant's Technical Specification.

C. CAUSE OF EVENT:

The cause of this event was insufficient disc drive space in the counting room computer. At the time of this event, the computer had in its storage, all the samples that had been taken in the previous three days. Normally, the amount of data gathered in a three day period would not be of sufficient quantity to exceed the storage limits. However, due to an unusually large amount of samples taken, the amount of storage space available was limited. Therefore, when the sample was taken on July 4, 1987, it could not be analyzed due to space limitations.

D. SAFETY ANALYSIS:

There were no safety consequences as a result of this event. It was later determined, through analysis, that the sample did not contain any radioactivity. Under more limiting conditions, i.e., high fission product inventory and degraded Reactor Containment Fan Cooler Coils, the Containment Gaseous and Particulate Radioactivity Monitoring systems would be available to alert the Operator that a potential source for a radioactive release exists in Containment. Degraded coils are monitored by containment sump level increases. In additiou, the SX pressure is in excess of peak containment accident pressure of 44.4 psig.

FACTLITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6) Page (Page (3)		
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E. CORRECTIVE ACTIONS:

Additional disc drives are currently installed but need an additional power source for activation. A modification (LL008) has been requested to install the necessary electrical cables to the counting room and disc drives. This will provide ample storage space for many days at a time.

This will be tracked by item number 456-200-87-22701.

F. PREVIOUS OCCURRENCES:

None

G. FAILED COMPONENT DATA:

None



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

EEF/87-1110

July 29, 1987

U. S. Nuclear Regulatory Commission Document Control Desk Washington, D.C. 20555

Dear Sir:

The enclosed Licensee Event Report from Braidwood Generating Station is being transmitted to you in accordance with the requirements of 10CFR50.73(a)(2) (i) which requires a 30 day written report.

This report is number 87-034-00; Docket No. 50-456.

Very truly yours,

7/31/87 atin

E. E. Fitzpatrick Station Manager Braidwood Nuclear Station

EEF/PMB/jab (5627z))

Enclosure: Licensee Event Report No. 87-034-00

cc: NRC Region III Administrator T. Tongue, NRC Resident Inspector INPO Record Center CECo Distribution List