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ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

January 10, 1990

Docket No. 50-461

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

Subject: Clinton Power Station
Revisions to 1987 Annual Radiological
Environmental Monitoring Report

Dear Sir:

The 1987 Radiological Environmental Monitoring Report, submitted under Illinois Power Company (IP) cover letter U-601177 of April 29, 1988, has been found to contain several minor errors. The corrections are provided in Attachment 1 and revised pages for your reports are provided in Attachment 2.

Sincerely yours,

A handwritten signature in cursive script that reads "D L Holtzsch".

D. L. Holtzsch
Acting Manager -
Licensing and Safety

SFB/krm

Attachments - 2

cc: Regional Administrator, Region III, USNRC
NRC Clinton Licensing Project Manager
NRC Resident Office
Illinois Department of Nuclear Safety

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Revisions to the 1987 Radiological Environmental Monitoring Report

As a result of a recent Quality Assurance audit of the Radiological Environmental Monitoring (REM) Program, several changes need to be made to the 1987 annual REM report. None of the changes significantly alter the conclusions brought forward in the report. The changes are summarized below and revised pages with revision bars are attached.

1. Page 20, Table 3, Cobalt - 60 Liquid Effluents (Ci) has been revised from "9.73E-5" to the correct value of "7.75E-5". This was a typographical error. The corrected value is lower and, therefore, would result in a smaller dose to the general public.
2. Page 32, Table 4, Bottom Sediment, K-40, Location with the Highest Annual Mean, has been revised from "50 miles 5" to the correct location of "50 miles S". This was a typographical error and has no impact on the results.
3. Page 33, Table 4, Bottom Sediment, Pb-214, Location with the Highest Annual Mean, has been revised from "5.0 mile ENE" to "5.0 miles ENE". This was a typographical error and has no impact on the results.
4. Page A-6, Table A-1, CL-50 TLD location, has been revised from "3.2 miles WNN" to the correct location of "3.2 miles WNW". This was a typographical error and has no impact on the results.
5. Page E-2, Quality Assurance Program, 1987 EPA crosscheck program results were interpreted differently in 1987 than they are currently. In 1987, EPA crosscheck results were considered acceptable if the range of the sample result (sample result plus and minus two standard deviations) overlapped the control limit. The current methodology for evaluating crosscheck results is to compare only the sample result (disregard the standard deviation) to the control limit. An example is given below:

Result	Control Limit
10.0±2.0	11.5 - 13.5

In the past, this result was considered to be acceptable (within the control limit). Using the current methodology, this result would have fallen outside the control limit.

Upon review of the 1987 crosscheck results using the current methodology, three additional crosscheck results were found to be outside of the control limits. This revision discusses the crosscheck results and the reasons they were outside of the control limits. This revision has negligible impact on the results of the report.

6. Page G-3 through G-6, Table G-1 Wind speed, revised wind speed sub-header from "24" to ">24". This was a typographical error and has no impact on the results.