



Dresden Nuclear Power Station
6500 North Dresden Road
Morris, IL 60450

April 21, 2022

10 CFR 20.2206(c)

SVPLTR: #22-0010

REIRS Project Manager
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Mail Stop: CSB-3A07M
ATTN: Document Control Desk
Washington, DC 20555-0001

Dresden Nuclear Power Station, Units 1, 2 and 3
Facility Operating License No. DPR-2
Renewed Facility Operating License Nos. DPR-19 and DPR-25
NRC Docket Nos. 50-010, 50-237, and 50-249

Subject: Annual Dose Report for 2021

Reference : Letter from J.A. Benjamin (Exelon Generation Company, LLC) , to U.S. NRC,
"Request for Amendment to Technical Specifications to Eliminate Requirements to
Provide Monthly Operating Reports and Annual Occupational Radiation Exposure
Reports," date October 21, 2004.

Pursuant to 10 CFR 20.2206, "Reports of individual monitoring," paragraph (c), the Annual Dose Report covering the previous year shall be submitted on or before April 30th of each year. The Annual Dose Report for 2021 provides the results of individual radiation monitoring carried out by Dresden Nuclear Power Station (DNPS) for each individual whom radiation monitoring was provided during 2021. The data file containing this report was submitted electronically via the Radiation Exposure and Information Reporting System (REIRS) internet webpage on April 21, 2022.

The data file titled "NRC20220421.dat" was generated on April 21, 2022, following the guidance provided in Regulatory Guide 8.7, "Instructions for Recording and Reporting Occupational Radiation Exposure Data," Revision 3, dated November 2016.

Additionally, in accordance with our regulatory commitment submitted in the referenced letter, the required information for apportionment of radiation dose between the operating units and the shutdown unit is provided. Between January 1, 2021 and December 31, 2021 a total of 3,025 individuals were monitored for occupational exposure to ionizing radiation at DNPS.

The total collective TEDE for the individuals monitored was 116.532 rem. Of the 2021 DNPS total site exposure, 116.526 rem is associated with operating units (Units 2 and 3) activities and 0.006 rem is associated the non-operating unit (Unit 1) activities. Of the 3,025 individuals who were monitored for exposure to ionizing radiation at DNPS, approximately 30 of these individuals performed activities that were directly related to Unit 1.

Should you have any questions concerning this letter, please contact Ken Mack, Regulatory Assurance Manager, at (815) 416-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "Patrick J. Boyle". The signature is fluid and cursive, with the first name "Patrick" being the most prominent.

Patrick J. Boyle
Site Vice President
Dresden Nuclear Power Station

cc: Regional Administrator – NRC Region III
REIRS Project Manager, Office of Nuclear Regulatory Research
NRC Senior Resident Inspector, DNPS