



April 25, 2024

Dr. Terry Brock
REIRS Point of Contact
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission
Mail Stop: 2WFN-08D39
Washington, DC 20555-0001

Peach Bottom Atomic Power Station, Units 1, 2, and 3
Facility Operating License Numbers, DPR-12, DPR-44 and DPR-56
NRC Docket Nos. 50-171, 50-277 and 50-278

Subject: Peach Bottom Atomic Power Station 2023 Occupational Exposure Report (10 CFR 20.2206(b) Submittal)

REIRS Project Manager:

Enclosed is Peach Bottom Atomic Power Station's Occupational Radiation Exposure Data for 2023. This information is sent pursuant to the requirements of 10 CFR 20.2206(b) & (c) and was submitted electronically via the REIRS website on 04/26/2024 at 12:16:11.

Between January 1, 2023, and December 31, 2023, a total of 2,822 individuals were monitored for occupational exposure to ionizing radiation at Peach Bottom. The total collective TEDE of the 2,822 monitored individuals was 138.048 person-rem. Additionally, in accordance with our regulatory commitments T04642 and T04643, the apportionment of radiation dose between the operating units (Units 2 & 3) is 138.048 person-rem and the shutdown unit (Unit 1) is 0.000 person-rem.

If there are any questions regarding the electronic submission, please contact Rose Marie Ridge at 717-456-3601 or via email at rosemarie.ridge@constellation.com.

Sincerely,

Stiltner, Ryan C
Digitally signed by Stiltner, Ryan
C
Date: 2024.04.29 13:04:21 -04'00'

Ryan Stiltner
Plant Manager
Peach Bottom Atomic Power Station

CCN 24-23

Enclosure

cc: Scott Rutenkroger, Senior Resident Inspector, USNRC PBAPS
Raymond K. Lorson, Regional Administrator, USNRC Region I

MEMORANDUM

To: Rose Marie A Ridge **From:** Derek Hagemeyer
Date: 4/29/2024 **Subject:** Data Verification

ORAU is responsible for maintaining the NRC's Radiation Exposure Information and Reporting System (REIRS). We collect and analyze the exposure data for all NRC licensees and produce the NRC annual report on radiation exposure, NUREG-0713. As part of the data collection process, we also receive the data from all Agreement States who chose to submit to us. We would appreciate your assistance in verifying the data that your organization has submitted to the REIRS database. This is an informal, voluntary request from ORAU as a records management function to verify that we have received the correct exposure data for your facility.

Attached you will find a summary of the data received from your facility. The summary is presented as a distribution of the doses received at your facility for the 2023 monitoring year. The number of individuals receiving dose in each dose range is shown, as well as the collective TEDE for each dose range. The file name is assigned by ORAU upon receipt and does not require verification. Doses and dose ranges are in units of rem.

It is important to note that the distribution is based on the dose received by each individual included in your submittal. If multiple dose records were reported for an individual, the doses were summed for that individual and the individual was included in the appropriate dose range. Likewise, the 'total number monitored' refers to the number of unique individuals included in the submittal, not the number of dose records in the submittal.

If the attached summary is not correct, please let us know within 2 weeks of the date of this report so that we may resolve the problem. Please contact **REIRS support** at 865.576.5092 or REIRS_support@orau.org to report any problems or questions. If you choose not to participate in this voluntary request, or if we do not receive a reply, the data will be assumed to be correct and will be processed into the REIRS database.

MEMORANDUM

4/29/2024

License No: DPR-44

Licensee Name: PEACH BOTTOM

Contact Person: Rose Marie A Ridge

Associated Licenses: DPR-56

	Number	TEDE
No measurable exp.	1277	0.000
Meas. - 0.100	1120	43.422
0.100 - 0.250	304	47.697
0.250 - 0.500	101	34.526
0.500 - 0.750	19	11.244
0.750 - 1.000	0	0.000
1.000 - 2.000	1	1.159
2.000 - 3.000	0	0.000
3.000 - 4.000	0	0.000
4.000 - 5.000	0	0.000
5.000 - 6.000	0	0.000
6.000 - 7.000	0	0.000
7.000 - 8.000	0	0.000
8.000 - 9.000	0	0.000
9.000 - 10.00	0	0.000
10.00 - 11.00	0	0.000
11.00 - 12.00	0	0.000
> 12.00	0	0.000
Number with Measurable:	1545	
Total Monitored:	2822	
Total Collective TEDE (rem):		138.048
Total CDE:		0.000
Total CEDE:		0.000
Number of Intake Records:	0	

Validation Status

Errors:	0
Warnings:	21

Age > 80 YO indicates possible error in birthdate: (19)

Value of LastName may indicate test data: (2)

Warnings were reviewed - 19 individuals > 80 YO are NRC personnel and Birth Date is default value of 01/01/1900. The 2 individuals where Last Name may indicate test data are actual people, Testman and Trainer.