

10 CFR 50.75(f)(1)

RS-10-055

March 29, 2010

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Dresden Nuclear Power Station, Unit 1
Facility Operating License No. DPR-2
NRC Docket No. 50-10

Peach Bottom Atomic Power Station, Unit 1
Facility Operating License No. DPR-12
NRC Docket No. 50-171

Zion Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-39 and DPR-48
NRC Docket Nos. 50-295 and 50-304

Subject: Report on Status of Decommissioning Funding for Shutdown Reactors

In accordance with 10 CFR 50.75, "Reporting and recordkeeping for decommissioning planning," paragraph (f)(1), Exelon Generation Company, LLC (EGC) is submitting a report on the status of decommissioning funding for the reactors owned by EGC that are within 5 years of shutdown or are already shutdown.

EGC currently maintains four shutdown units, Dresden Nuclear Power Station, Unit 1; Peach Bottom Atomic Power Station, Unit 1; and Zion Nuclear Power Station, Units 1 and 2. The annual radiological decommissioning funding assurance report for these units is contained in Attachments 1 through 4. EGC does not operate any units that are currently within 5 years of the end of its licensed life.

The minimum required decommissioning funding assurance amounts are based on site-specific decommissioning cost estimates in accordance with 10 CFR 50.82(a). These site-specific decommissioning cost estimates are based on a period of safe storage that is specifically described in the estimates. These decommissioning cost estimates do not include the costs of dismantling non-radiological systems and structures or the costs of managing and storing spent fuel onsite.

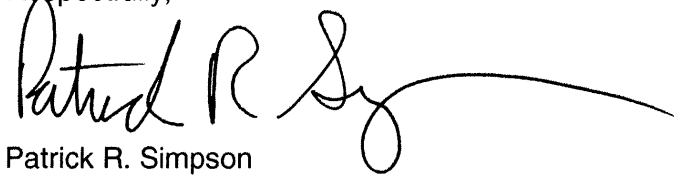
March 29, 2010
U. S. Nuclear Regulatory Commission
Page 2

There were no disbursements from these trust funds other than those for allowed administrative costs and other incidental expenses of the fund in connection with the operation of the fund per 10 CFR 50.75(h)(1)(iv).

There are no regulatory commitments contained within this letter.

If you have any questions about this letter, please contact me at (630) 657-2823.

Respectfully,

A handwritten signature in black ink, appearing to read "Patrick R. Simpson", with a long horizontal flourish extending to the right.

Patrick R. Simpson
Manager – Licensing

- Attachments:
1. Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 1
 2. Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 1
 3. Annual Radiological Decommissioning Funding Assurance Report for Zion Nuclear Power Station, Unit 1
 4. Annual Radiological Decommissioning Funding Assurance Report for Zion Nuclear Power Station, Unit 2

ATTACHMENT 1

Annual Radiological Decommissioning Funding Assurance Report for Dresden Nuclear Power Station, Unit 1

December 31, 2009
(2010 dollars, thousands)

Required Minimum at December 31, 2009 (A)	\$309,617
Trust Fund Amount at December 31, 2009 (B)	\$253,691
Decommissioning Period Earnings Credit (C)	\$92,671
Total Projected Trust Fund Amount (D) = (B) + (C)	\$346,362
Difference - Surplus/(Shortfall) (E) = (D) – (A)	\$36,745

1. The required minimum funding assurance amount is based on the DECON scenario from the site-specific decommissioning cost estimate. This decommissioning cost estimate assumes decommissioning starts coincident with the decommissioning of Dresden Nuclear Power Station, Unit 2 in 2029.
2. The trust fund amount is the amount allocated for Radiological Decommissioning only, and is segregated based on the decommissioning cost estimate.
3. There are no additional funds to be collected.
4. A 2% annual real rate of return is assumed in these calculations.
5. There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).
6. Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).
7. There are no material changes to the trust fund agreements.

ATTACHMENT 2

Annual Radiological Decommissioning Funding Assurance Report for Peach Bottom Atomic Power Station, Unit 1

December 31, 2009
(2010 dollars, thousands)

Required Minimum at December 31, 2009 (A)	\$181,594
Trust Fund Amount at December 31, 2009 (B)	\$43,891
Unit 2 Shutdown Date	08/08/2033
Years to Unit 2 Shutdown (C)	23.603
Trust Fund Amount at Start of Decommissioning (D)	\$157,960
Decommissioning Period Earnings Credit (E)	\$11,558
Total Projected Trust Fund Amount (F) = (D) + (E)	\$169, 518
Difference - Surplus/(Shortfall) (G) = (F) – (A)	(\$12,076)
Prepayment Difference – Surplus/(Shortfall) (H) = (G) / (1 + 3%) ^ (C)	(\$6,011)

1. The required minimum funding assurance amount is based on the DECON scenario from the site-specific decommissioning cost estimate. This decommissioning cost estimate assumes decommissioning starts coincident with the decommissioning of Peach Bottom Atomic Power Station, Unit 2 in 2033.
2. The trust fund amount is the amount allocated for Radiological Decommissioning only, and is segregated based on the decommissioning cost estimate.
3. The trust fund amount at the start of decommissioning (D), includes an annual amount of \$2,208, still to be collected from ratepayers through 2032.
4. A 3% annual real rate of return is assumed in these calculations. The Pennsylvania Public Utility Commission (PaPUC) approved this real rate of return as part of the approval of the restructuring plan for PECO Energy Company. (Letter from J. J. McNulty (PaPUC), "Approval of Restructuring Plan for PECO Energy Company under Section 2806 of the Public Utility Code; Docket No. R-00973953," to B. D. Crowe (PECO Energy Company) dated May 3, 2001.)
5. There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).
6. Financial assurance for decommissioning is provided by the external sinking fund method, in accordance with 10 CFR 50.75(e)(1)(ii). The funding mechanism being used as the source of revenues for the external sinking funds is a non-bypassable charge approved by the PaPUC authorizing PECO Energy Company to continue to collect decommissioning funds for EGC. Any needed adjustments to the amount collected will be made in the next filing of the Nuclear Decommissioning Cost Adjustment to the PaPUC. This cost adjustment is made every five years pursuant to PaPUC Electric Tariff No. 3. The last adjustment was effective January 1, 2008.
7. There are no material changes to the trust fund agreements.

ATTACHMENT 3

Annual Radiological Decommissioning Funding Assurance Report for Zion Nuclear Power Station, Unit 1

December 31, 2009

(2010 dollars, thousands)

Required Minimum at December 31, 2009 (A)	\$536,630
Trust Fund Amount at December 31, 2009 (B)	\$320,889
Decommissioning Period Earnings Credit (C)	\$262,422
Total Projected Trust Fund Amount (D) = (B) + (C)	\$583,311
Difference - Surplus/(Shortfall) (E) = (D) – (A)	\$46,681

1. The required minimum funding assurance amount is based on the SAFSTOR scenario from the site-specific decommissioning cost estimate.
2. The trust fund amount is the amount allocated for Radiological Decommissioning only, and is segregated based on the decommissioning cost estimate.
3. There are no additional funds to be collected.
4. A 2% annual real rate of return is assumed in these calculations.
5. There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).
6. Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).
7. There are no material changes to the trust fund agreements.

ATTACHMENT 4

Annual Radiological Decommissioning Funding Assurance Report for Zion Nuclear Power Station, Unit 2

December 31, 2009
(2010 dollars, thousands)

Required Minimum at December 31, 2009 (A)	\$457,236
Trust Fund Amount at December 31, 2009 (B)	\$356,396
Decommissioning Period Earnings Credit (C)	\$238,169
Total Projected Trust Fund Amount (D) = (B) + (C)	\$594,565
Difference - Surplus/(Shortfall) (E) = (D) – (A)	\$137,329

1. The required minimum funding assurance amount is based on the SAFSTOR scenario from the site-specific decommissioning cost estimate.
2. The trust fund amount is the amount allocated for Radiological Decommissioning only, and is segregated based on the decommissioning cost estimate.
3. There are no additional funds to be collected.
4. A 2% annual real rate of return is assumed in these calculations.
5. There are no contracts relied upon pursuant to 10 CFR 50.75(e)(1)(v).
6. Financial assurance for decommissioning is provided by the prepayment method, coupled with an external trust fund, in accordance with 10 CFR 50.75(e)(1)(i).
7. There are no material changes to the trust fund agreements.