

April 24, 2017
L-17-120

10 CFR 50.75

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


SUBJECT:

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Supplemental Information Regarding Decommissioning Funding Status Report for
Beaver Valley Power Station, Unit No. 1

By letter dated March 24, 2017 (Accession No. ML17083B221) FirstEnergy Nuclear Operating Company (FENOC) submitted the biennial decommissioning funding status reports for its nuclear operating facilities in accordance with 10 CFR 50.75, "Reporting and recordkeeping for decommissioning planning," paragraph (f)(1). Subsequent to the submittal, FENOC identified the first number in the beginning balance for the year 2030 was inadvertently omitted on the Beaver Valley Power Station, Schedule 2, "Calculation of a Site-Specific Cash Flow Analysis." In the original submittal the beginning balance for the year 2030 was reported as \$70,741,588 and should have been reported as \$370,741,588. Omission of the number does not affect the ending balance for year 2030 or the overall ending balance as reported in the original submittal. The administrative error has been entered into the FENOC corrective action program. The attachment provides the updated information.

There are no regulatory commitments contained in this letter. If there are any questions, or if additional information is required, please contact Mr. Thomas A. Lentz, Manager – Fleet Licensing, at 330-315-6810.

Sincerely,


Gregory H. Halnon
Vice President, Regulatory Affairs

Beaver Valley Power Station, Unit No. 1

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Attachment:

Decommissioning Funding Status Report – Beaver Valley Power Station, Unit No. 1,
Schedule 2, Calculation of a Site-Specific Cash flow Analysis

cc: NRC Region I Administrator
NRC Resident Inspector
NRR Project Manager
Director BRP/DEP
Site BRP/DEP Representative

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Decommissioning Funding Status Report – Beaver Valley Power Station, Unit No. 1
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Schedule 2
Calculation of a Site-Specific Cash Flow Analysis

The site-specific cost estimate for the radiological decommissioning of the Beaver Valley Power Station, Unit No. 1 is \$711,726,383. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75(c) is \$481,892,880. Since Regulatory Guide (RG) 1.159, "Assuring The Availability Of Funds For Decommissioning Nuclear Reactors," states that the site-specific cost should be equal to or greater than the cost calculated by 10 CFR 50.75(c), the RG is satisfied.

A two percent rate of return was used in the analysis. The analysis also assumes a period of safe storage. These inputs to the analysis are consistent with 10 CFR 50.75(e)(1). The analysis is based on 2016 dollars.

The analysis contains expenses based on the site-specific decommissioning cost estimate. The analysis conservatively assumes that expenses during a year are incurred at the beginning of year. Mathematical rounding was performed during the development of the supporting calculations.

Year	Beginning Balance	Deposits	Earnings	Withdrawal^{1,2}	Ending Balance
2017	286,595,306	-	5,731,906	-	292,327,212
2018	292,327,212	-	5,846,544	-	298,173,756
2019	298,173,756	-	5,963,475	-	304,137,231
2020	304,137,231	-	6,082,745	-	310,219,976
2021	310,219,976	-	6,204,400	-	316,424,376
2022	316,424,376	-	6,328,488	-	322,752,863
2023	322,752,863	-	6,455,057	-	329,207,920
2024	329,207,920	-	6,584,158	-	335,792,079
2025	335,792,079	-	6,715,842	-	342,507,920
2026	342,507,920	-	6,850,158	-	349,358,079
2027	349,358,079	-	6,987,162	-	356,345,240
2028	356,345,240	-	7,126,905	-	363,472,145
2029	363,472,145	-	7,269,443	-	370,741,588
2030	370,741,588	-	7,414,832	-	378,156,420
2031	378,156,420	-	7,563,128	-	385,719,548
2032	385,719,548	-	7,714,391	-	393,433,939
2033	393,433,939	-	7,868,679	-	401,302,618
2034	401,302,618	-	8,026,052	-	409,328,670
2035	409,328,670	-	8,186,573	-	417,515,244
2036	417,515,244	-	7,298,033	(52,613,575)	372,199,702
2037	372,199,702	-	6,363,388	(54,030,281)	324,532,809
2038	324,532,809	-	6,412,986	(3,883,529)	327,062,266
2039	327,062,266	-	6,463,575	(3,883,529)	329,642,312
2040	329,642,312	-	6,514,964	(3,894,093)	332,263,183

Year	Beginning Balance	Deposits	Earnings	Withdrawal ^{1,2}	Ending Balance
2041	332,263,183	-	6,567,593	(3,883,529)	334,947,247
2042	334,947,247	-	6,621,274	(3,883,529)	337,684,992
2043	337,684,992	-	6,682,305	(3,569,762)	340,797,535
2044	340,797,535	-	6,744,894	(3,552,858)	343,989,571
2045	343,989,571	-	6,808,924	(3,543,350)	347,255,145
2046	347,255,145	-	6,874,236	(3,543,350)	350,586,030
2047	350,586,030	-	6,940,854	(3,543,350)	353,983,534
2048	353,983,534	-	7,008,614	(3,552,858)	357,439,289
2049	357,439,289	-	7,077,919	(3,543,350)	360,973,857
2050	360,973,857	-	7,148,610	(3,543,350)	364,579,117
2051	364,579,117	-	7,220,715	(3,543,350)	368,256,482
2052	368,256,482	-	7,294,072	(3,552,858)	371,997,696
2053	371,997,696	-	7,369,087	(3,543,350)	375,823,433
2054	375,823,433	-	7,445,602	(3,543,350)	379,725,684
2055	379,725,684	-	7,523,647	(3,543,350)	383,705,981
2056	383,705,981	-	7,603,062	(3,552,858)	387,756,185
2057	387,756,185	-	7,684,257	(3,543,350)	391,897,091
2058	391,897,091	-	7,767,075	(3,543,350)	396,120,816
2059	396,120,816	-	7,851,549	(3,543,350)	400,429,015
2060	400,429,015	-	7,937,523	(3,552,858)	404,813,679
2061	404,813,679	-	8,025,407	(3,543,350)	409,295,736
2062	409,295,736	-	8,115,048	(3,543,350)	413,867,433
2063	413,867,433	-	8,206,482	(3,543,350)	418,530,564
2064	418,530,564	-	8,299,554	(3,552,858)	423,277,260
2065	423,277,260	-	8,394,678	(3,543,350)	428,128,588
2066	428,128,588	-	8,491,705	(3,543,350)	433,076,942
2067	433,076,942	-	8,590,672	(3,543,350)	438,124,264
2068	438,124,264	-	8,691,428	(3,552,858)	443,262,834
2069	443,262,834	-	8,794,390	(3,543,350)	448,513,873
2070	448,513,873	-	8,899,410	(3,543,350)	453,869,933
2071	453,869,933	-	9,006,532	(3,543,350)	459,333,115
2072	459,333,115	-	9,115,605	(3,552,858)	464,895,861
2073	464,895,861	-	9,227,050	(3,543,350)	470,579,561
2074	470,579,561	-	9,340,724	(3,543,350)	476,376,935
2075	476,376,935	-	9,456,672	(3,543,350)	482,290,257
2076	482,290,257	-	9,572,107	(3,684,915)	488,177,448
2077	488,177,448	-	9,690,062	(3,674,351)	494,193,159
2078	494,193,159	-	9,810,376	(3,674,351)	500,329,185
2079	500,329,185	-	9,933,097	(3,674,351)	506,587,931
2080	506,587,931	-	10,058,060	(3,684,915)	512,961,076

Year	Beginning Balance	Deposits	Earnings	Withdrawal^{1,2}	Ending Balance
2081	512,961,076	-	10,185,735	(3,674,351)	519,472,460
2082	519,472,460	-	10,315,962	(3,674,351)	526,114,071
2083	526,114,071	-	10,448,794	(3,674,351)	532,888,515
2084	532,888,515	-	10,584,072	(3,684,915)	539,787,672
2085	539,787,672	-	10,722,266	(3,674,351)	546,835,587
2086	546,835,587	-	10,863,225	(3,674,351)	554,024,461
2087	554,024,461	-	11,007,002	(3,674,351)	561,357,113
2088	561,357,113	-	11,073,407	(7,686,767)	564,743,753
2089	564,743,753	-	10,349,453	(47,271,082)	527,822,124
2090	527,822,124	-	8,314,370	(112,103,616)	424,032,878
2091	424,032,878	-	6,168,859	(115,589,918)	314,611,819
2092	314,611,819	-	4,995,163	(64,853,664)	254,753,319
2093	254,753,319	-	4,127,839	(48,361,344)	210,519,814
2094	210,519,814	-	4,144,727	(3,283,462)	211,381,079
2095	211,381,079	-	3,765,634	(23,099,390)	192,047,323
2096	192,047,323	-	3,798,456	(2,124,531)	193,721,248
2097	193,721,248	-	3,871,953	(123,605)	197,469,595
				(711,726,383)	

Notes:

1. Reflects the SAFSTOR method described in Reference A.
2. Withdrawals assumed to be made at beginning of period.

References:

- A. *Decommissioning Cost Analysis for the Beaver Valley Power Station*, December 2014.