

Plant name:Sequoyah Nuclear Plant, Unit 2

Docket Number:50-328

- 1

The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):

\$467,000,000
- Did the licensee identify the amount of estimated radiological funds? (Y/N)

Y

- 2

The total amount of dollars accumulated at the end of the appropriate year: (see below)

Licensee:	% Owned:	Category:	Amount in Trust Fund:
TVA	100.00%	1	\$216,430,000

Total Trust Fund Balance\$216,430,000

- 3

Schedule of the annual amounts remaining to be collected: (provided/none)

provided

- 4

Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

Rate of Return on Earnings	Escalation Rate	Rate(s) of Other Factors	Real Rate of Return	PUC Verified (Y/N)	Allowed through Decom (Y/N)	RAI Needed (Y/N)	Post-RAI		
							PUC Verified (Y/N)	Allowed through Decom (Y/N)	Rates Determined (Y/N)
9.00%	4.00%		5.00%	N	Y	Y	Y	Y	Y

- 5

Any contracts upon which the licensee is relying? (Y/N)

N
- 6

Any modifications to a licensee's method of providing decommissioning funding assurance? (Y/N)

N
- 7

Any material changes to trust agreements? (Y/N)

N

If a change has occurred, the reviewer will document on this sheet that a change has occurred and identify the reviewer who will evaluate the change: (see below)

Plant name:

Sequoyah Nuclear Plant, Unit 2

Docket Number:

50-328

Date of Operation:

Month: 12

Day: 31

Year: 2010

Termination of Operations:

9

15

2021

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	3455	\$105,000,000	112.8	1.98	0.65	2.23	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.253	0.22	12.28

NRC Minimum:

\$466,847,886

Site Specific:

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
TVA	100.00%	1	\$466,847,886	\$216,430,000
			Total Fund Balance:	\$216,430,000

Step 1:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$216,430,000	2%	10.71	\$267,542,211	NO

Step 2:
Accumulation:

Value of Annuity per year (amount/See Annuity Sheet)	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
See Annuity Sheet	See Annuity Sheet		See Total Step 2

Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 2:
See Total Step 2	See Annuity Sheet	N/A	\$98,723,740

Total Step 1 + Step 2	Does Licensee Pass:
\$366,265,952	NO

Step 3:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$366,265,952	2%	7	\$27,229,249

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$393,495,200	NO	(\$73,352,686)

Signature: Shawn W. Harwell
Date: 6/29/11
Signature: Aaron L. Szabo
Date: 7/7/2011

Plant name: Sequoyah Nuclear Plant, Unit 2 **Docket Number:** 50-328

Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2010

Termination of Operations: 9 15 2021

If licensee is granted greater than 2% RRR

Step 4:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$216,430,000	5.00%	10.71	\$364,899,761	NO

Step 5:
Accumulation:

Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
See Annuity Sheet	See Annuity Sheet	0	See Total Step 4

Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5
See Total Step 4	See Annuity Sheet	N/A	\$117,647,541

Total Step 4 + Step 5	Does Licensee Pass:
\$482,547,301	YES

Step 6:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$482,547,301	5.00%	7	\$98,222,605

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$580,769,907	YES	NO

Signature: Shawn W. Harwell
Date: 6/29/11
Signature: Aaron L. Szabo
Date: 7/7/2011

ANNUITY

Termination of Operations: 9 15 2021

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$8,000,000	2%	\$9,889,597
2012	\$8,000,000	2%	\$9,695,683
2013	\$8,000,000	2%	\$9,505,572
2014	\$8,000,000	2%	\$9,319,188
2015	\$8,000,000	2%	\$9,136,459
2016	\$8,000,000	2%	\$8,957,312
2017	\$8,000,000	2%	\$8,781,679
2018	\$8,000,000	2%	\$8,609,489
2019	\$8,000,000	2%	\$8,440,676
2020	\$8,000,000	2%	\$8,275,172
2021	\$8,000,000	2%	\$8,112,914

Total: \$98,723,740

Signature: Shawn W. Harwell

Date: 6/29/11

Signature: Aaron L. Szabo

Date: 7/7/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell

Formulas verified by: Clayton Pittiglio

ANNUITY

Termination of Operations: 9 15 2021

If licensee is granted greater than 2% RRR

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$8,000,000	5.00%	\$13,489,007
2012	\$8,000,000	5.00%	\$12,846,673
2013	\$8,000,000	5.00%	\$12,234,927
2014	\$8,000,000	5.00%	\$11,652,311
2015	\$8,000,000	5.00%	\$11,097,439
2016	\$8,000,000	5.00%	\$10,568,990
2017	\$8,000,000	5.00%	\$10,065,704
2018	\$8,000,000	5.00%	\$9,586,385
2019	\$8,000,000	5.00%	\$9,129,891
2020	\$8,000,000	5.00%	\$8,695,134
2021	\$8,000,000	5.00%	\$8,281,080

Total: \$117,647,541

Signature: Shawn W. Harwell

Date: 6/29/11

Signature: Aaron L. Szabo

Date: 7/7/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell

Formulas verified by: Clayton Pittiglio