



August 22, 1984
L-84-216

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch #1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Varga:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Pressurized Thermal Shock -
Flux Reduction Program

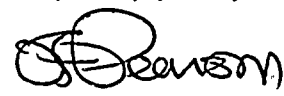
Reference: Pressurized Thermal Shock (PTS) Flux Reduction Program - Request
for Additional Neutron Source Data, Turkey Point Units 3 and 4",
Letter from S. A. Varga (NRC) to J. W. Williams, (FPL),
July 26, 1984

Your letter dated July 26, 1984, (Reference) requested additional information to
complete your evaluation of Turkey Point Units 3 and 4 flux reduction.

The data provided in Attachments A through D of this letter, as listed on the next
page, is submitted in response to this request.

Should you have any questions, please contact Dr. Finis Southworth at
305-552-3468.

Very truly yours,


J. W. Williams, Jr.
Group Vice President
Nuclear Energy Department

Attachments

JWW/ERK/law

8408280238 840822
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The following information as listed below is submitted in response to your request for additional neutron source data for Turkey Point Units 3 and 4 dated July 26, 1984.

Attachment A: Turkey Point Unit 3 Cycle 1-9 octant radial power fraction map. Each map provides:

1. Assembly burnup (MWD/MTU) at the end of cycle.
2. Assembly burnup (MWD/MTU) at the beginning of cycle.
3. Assembly burnup (MWD/MTU) accumulated during the cycle.
4. Cycle average assembly relative power fraction.
5. The cycle core average burnup in MWD/MTU and EFPH.

Attachment B: Turkey Point Unit 4 Cycle 8-9 octant radial power fraction map.

The same type of information is provided as in Attachment A.

Attachment C: Turkey Point Unit 3 Cycle 1-8 cycle averaged assembly axial nodal power profiles.

1. Figure showing location of assembly I.
2. Axial nodal power vs. node center position within assembly I.
3. Assembly I middle of cycle exposure.

Attachment D: Turkey Point Unit 4 Cycle 1-8 cycle averaged assembly axial nodal power profiles.

The same type of information is provided as in Attachment C.

ATTACHMENT A

✓ Turkey Point Unit 3 Cycle 1
Core Radial Power Comparison

15,160 0 15,160 1.17	15,996 0 15,996 1.23	15,037 0 15,037 1.16	15,673 0 15,673 1.20	14,470 0 14,470 1.12	14,561 0 14,561 1.12	12,384 0 12,384 0.96	10,147 0 10,147 0.77	- EOC B4 (MWD/M - BOC B4 (" - Δ B4 (" - RPF
	15,102 0 15,102 1.17	15,839 0 15,839 1.21	14,760 0 14,760 1.14	15,150 0 15,150 1.16	13,662 0 13,662 1.06	13,197 0 13,197 1.00	8040 0 8040 0.61	
		14,823 0 14,823 1.15	15,294 0 15,294 1.17	13,947 0 13,947 1.08	13,524 0 13,524 1.04	11,911 0 11,911 0.90		
			13,933 0 13,933 1.08	13,566 0 13,566 1.04	12,381 0 12,381 0.94	8,203 0 8,203 0.62		
				11,105 0 11,105 0.86	8,822 0 8,822 0.67			

N →

CYCLE BURNUP 13,088 MWD/MTU

" " 10,025 EFPD

SOURCE: NUT3(J4198) 1/20/84

ERK 8/14/84

✓ Turkey Point Unit 3 Cycle 2
Core Radial Power Comparison

20,703	18,751	24,626	20,631	22,809	22,204	18,450	6,613	- EOC BU (MWD/M
12,405	8,081	15,811	10,201	13,513	13,513	8,081	0	- BOC BU ("
8,298	10,670	8,815	10,430	9,296	8,691	10,369	6,613	- Δ BU ("
0.94	1.21	1.00	1.18	1.05	0.98	1.17	0.76	- RPF
	24,827	23,127	24,216	22,236	22,855	9,826	5,266	
	15,967	13,216	15,126	11,944	13,548	0	0	
	8,860	9,911	9,090	10,292	9,307	9,826	5,266	
	1.00	1.12	1.03	1.16	1.05	1.13	0.61	
		23,576	22,702	24,594	19,542	7,866		
		14,563	12,379	15,265	8,849	0		
		9,013	10,323	9,329	10,693	7,866		
		1.02	1.17	1.05	1.21	0.91		
			24,819	18,848	9,480	5,310		
			15,651	8,231	0	0		
			9,168	10,617	9,480	5,310		
			1.04	1.20	1.09	0.61		
				23,143	5,485			
				15,808	0			
				7,335	5,485			
				0.83	0.63			

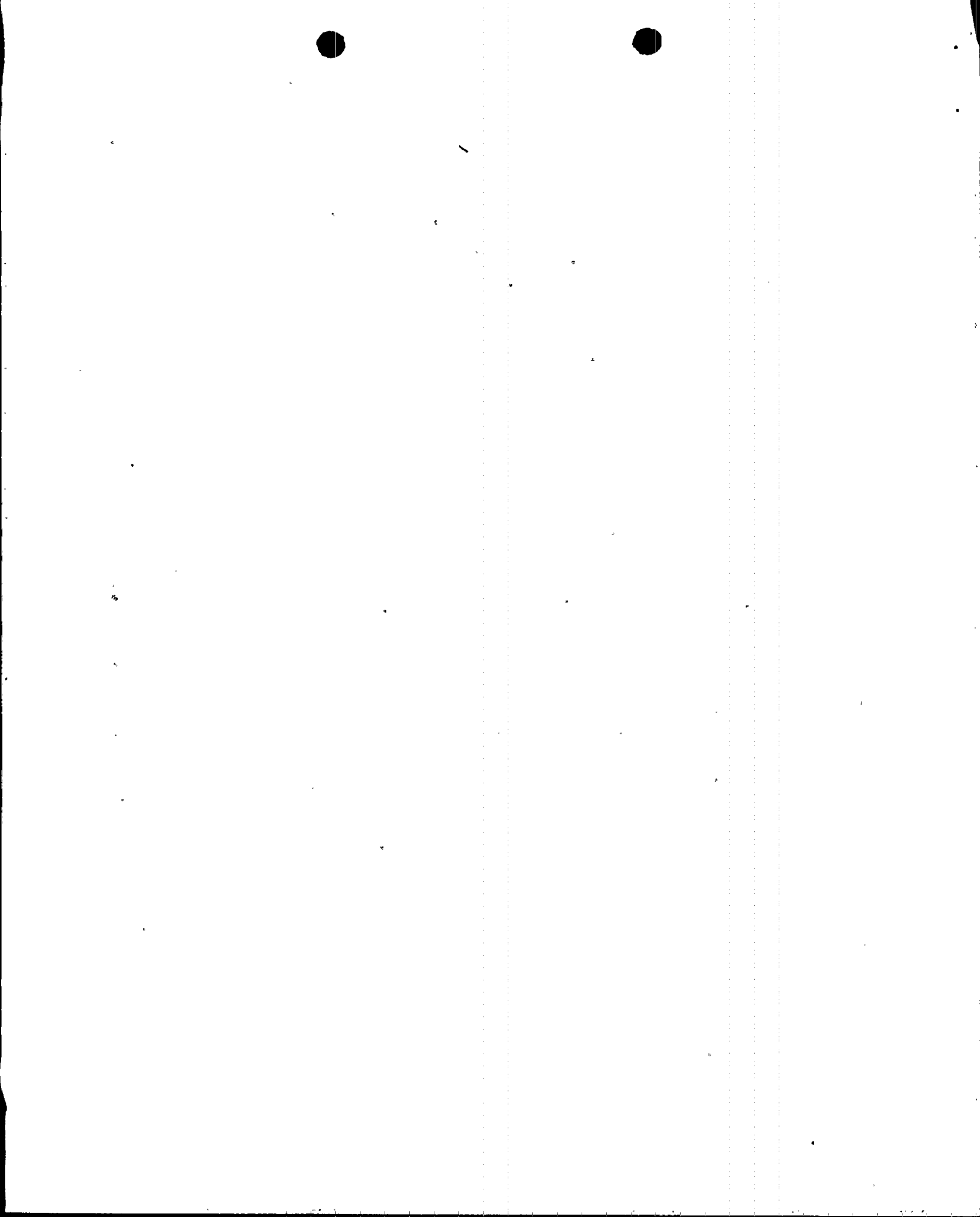
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CYCLE BURNUP 8,843 MWD/MTU

" " 6,808 EFPD

SOURCE: NUT3 (J7327) 2/11/84

ERK 8/14/84



Turkey Point Unit 3 Cycle 3
Core Radial Power Comparison

20,870	16,937	19,168	30,717	18,693	29,090	26,981	23,289	- EOC B4 (MWD/M
12,405	6,613	9,826	22,809	9,826	20,631	18,751	18,450	- EOC B4 ("
8,465	10,324	9,342	7,908	8,867	8,459	8,230	4,839	- Δ B4 ("
0.98	1.21	1.09	0.90	1.04	0.95	0.93	0.54	- RPF
	19,232	31,185	15,078	32,033	17,531	9,702	5,207	
	9,480	22,236	5,310	23,127	7,866	9,702	5,207	
	9,752	8,949	9,768	8,906	9,665	9,702	5,207	
	1.14	1.01	1.14	1.00	1.13	1.14	0.61	
		18,826	29,069	15,631	28,309	8,670		
		9,488	19,543	5,485	18,848	8,670		
		9,338	9,526	10,146	9,461	8,670		
		1.09	1.07	1.19	1.07	1.01		
			15,442	31,805	9,790	5,772		
			5,275	22,702	0	5,772		
			10,167	9,103	9,790	5,772		
			1.19	1.03	1.14	0.68		
				14,187	6,629			
				5,266	0			
				8,921	6,629			
				1.04	0.78			

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CYCLE BURNUP 8,684 MWD/MTU

" " 6,717 EFPD

SOURCE: NUT3(J3133) 2/10/84

ERK 8/14/84

✓ Turkey Point Unit 3 Cycle 4
Core Radial Power Comparison

21,307 12,417 8,890 1.01	16,438 5,773 10,665 1.22	31,105 22,205 8,900 1.00	16,248 5,773 10,475 1.20	23,620 18,826 8,794 1.01	23,825 15,442 8,383 0.96	22,278 14,187 8,091 0.93	21,562 16,937 4,625 0.53	- EOC BU (MWD/M - BOC BU " - Δ BU " - RPF
	25,085 15,631 9,454 1.09	19,393 8,671 10,722 1.23	28,152 19,169 8,983 1.03	17,567 6,653 10,914 1.25	24,220 15,078 9,142 1.05	10,173 0 10,173 1.16	5,623 0 5,623 0.64	
		19,988 11,114 8,874 1.01	15,959 5,208 10,751 1.24	26,643 17,540 9,103 1.05	19,480 9,790 9,690 1.11	8,769 8,769 1.00		
			24,853 15,620 9,233 1.06	19,258 9,703 9,555 1.10	9,825 0 9,825 1.12	26,668 22,855 3,813 0.43		
				25,946 18,702 7,244 0.83	6,466 0 6,466 0.74			

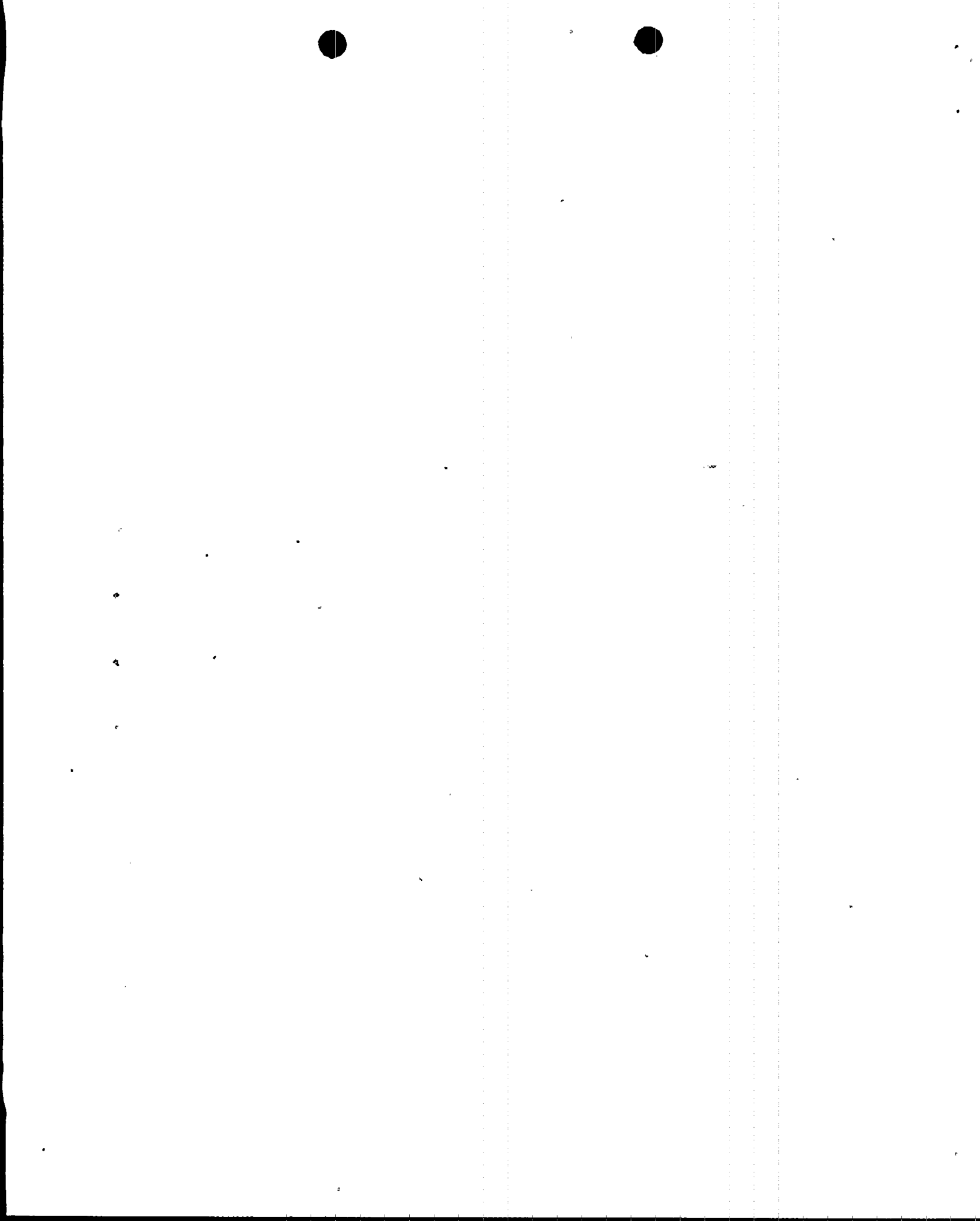
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CYCLE BURNUP 8769 MWD/MTU

" " 6840 EFPD

SOURCE NNT3(J2002) 2118/84

ERK 8/14/84



Turkey Point Unit 3 Cycle 5
Core Radial Power Comparison

32,013 23,848 8,165 0.94	20,755 10,173 10,582 1.21	28,340 19,480 8,860 1.01	21,036 10,173 10,863 1.24	26,883 17,568 9,315 1.07	24,286 16,438 7,848 0.90	27,471 19,480 7,991 0.92	7,846 0 7,846 0.90	- EOC BU (MWD/M) - BOC BU " - Δ BU (") - RPF
	25,430 16,248 9,182 1.05	19,161 8,782 10,379 1.19	28,817 19,393 9,424 1.08	16,313 5,623 10,690 1.22	32,651 24,853 7,798 0.89	10,945 0 10,945 1.25	6,538 0 6,538 0.75	
		30,819 22,278 8,541 0.98	17,223 6,482 10,741 1.23	28,034 19,258 8,776 1.00	20,182 9,482 10,700 1.22	8,762 0 8,762 1.00		
			26,926 17,552 9,374 1.07	25,200 15,959 9,241 1.06	9,728 0 9,728 1.11	27,708 24,220 3,488 0.40		
				9,556 0 9,556 1.09	30,172 26,643 3,529 0.40			

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CYCLE BURNUP 8730 MWD/MTU

" " 6816 EFPH

SOURCE: NNT3(J3140) 2/18/84

ERK 8/14/84

Turkey Point Unit 3 Cycle 6
Core Radial Power Comparison

29,958	14,164	25,153	16,400	27,027	24,575	29,112	4,831	- EOC BU (MWD/MT)
25,430	7,846	19,089	9,556	21,036	19,089	24,286	0	- BOC BU "
4,528	6,318	6,064	6,844	5,991	5,486	4,826	4,831	- Δ BU (")
0.80	1.12	1.07	1.2	1.06	0.97	0.85	0.85	- RPF
	32,137	13,292	32,276	15,893	26,168	6,872	4,048	
	27,485	6,538	26,853	8,763	26,178	6,872	4,048	
	4,652	6,754	5,423	7,130	5,990	1.22	0.72	
	0.82	1.19	0.96	1.26	1.06			
		32,902	16,608	18,084	22,622	5,549		
		28,076	9,728	16,945	16,314	5,549		
		4,826	6,880	7,139	6,308	0.98		
		0.85	1.22	1.26	1.12			
			26,875	23,555	6,284	30,946		
			20,755	17,234	6,284	28,817		
			6,120	6,321	1.11	2,129		
			1.08	1.12		0.38		
				6,121	27,660			
				6,121	25,200			
				1.08	2,460			
					0.44			

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CYCLE BURNUP 5653 MWD/MTU

" " 4409 EFPH

SOURCE NUT3(J3581) 2/19/84

CRK 8/14/84

Turkey Point Unit 3 Cycle 7
Core Radial Power Comparison

12,559	19,451	35,435	19,503	34,042	19,488	36,137	7004	- EOC BU (MWD/M
0	6,284	24,654	6,890	22,634	6,890	28,302	0	- BOC BU ("
12,559	13,167	10,781	12,613	11,408	12,598	7,835	7004	- Δ BU (")
1.22	1.28	1.05	1.22	1.11	1.22	0.76	0.68	- RPF
	37,488	26,414	30,212	18,381	27,623	11,532	27,743	
	27,027	14,165	18,100	5,564	15,920	0	23,547	
	10,461	12,249	12,112	12,817	11,703	11,532	4,196	
	1.02	1.19	1.18	1.24	1.14	1.12	0.41	
		18,666	17,863	27,971	33,870	9,904		
		5,564	4,845	15,893	22,620	0		
		13,102	13,018	12,078	10,250	9,904		
		1.27	1.26	1.17	0.99	0.96		
			37,466	18,714	11,214	30,378		
			28,034	6,121	0	26,168		
			9,432	12,593	11,214	4,210		
			0.92	1.22	1.09	0.41		
				15,046	30,934			
				4,048	26,187			
				10,998	4,747			
				1.07	0.46			

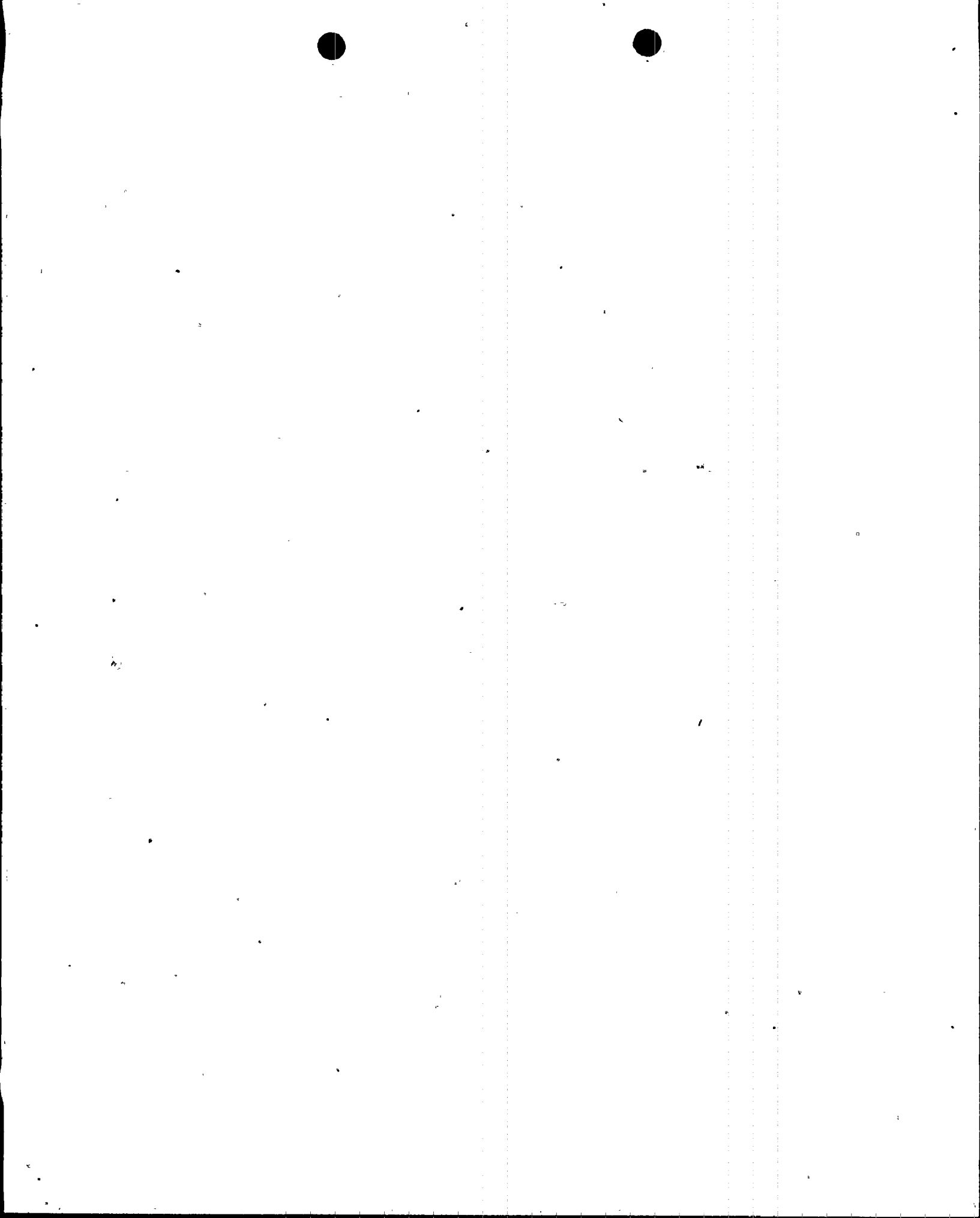
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CYCLE BURNUP 10,302 MWD/MTU

" " 8,061 EFPH

SOURCE : NUT3(J4683) 2/21/84

ERK 8/14/84



Turkey Point Unit 3 Cycle 8
Core Radial Power Comparison

26,787	18,505	32,741	19,321	30,223	18,519	25,683	10,153	- EOC BU (MWD/MTU)
12,559	0	15,046	0	11,532	0	9,960	0	- EOC BU (")
14,228	18,505	17,695	19,321	18,691	18,519	15,723	10,153	- Δ BU (")
0.93	1.21	1.16	1.26	1.22	1.21	1.03	0.66	- RPF
	29,942	19,629	34,789	18,148	34,158	16,415	25,279	
	11,214	0	17,863	0	19,488	0	19,080	
	18,728	19,629	16,926	18,148	14,670	16,415	6,199	
	1.23	1.28	1.11	1.19	0.96	1.07	0.40	
		28,543	19,027	39,898	18,175	13,362		
		9,905	0	25,480	0	0		
		18,638	19,027	14,418	18,175	13,362		
		1.22	1.24	0.94	1.19	0.87		
			29,946	18,284	15,992	25,611		
			11,323	0	0	19,503		
			18,623	18,284	15,992	6,108		
			1.22	1.20	1.05	0.40		
				24,600	26,225			
				10,840	19,451			
				13,760	6,774			
				0.90	0.144			

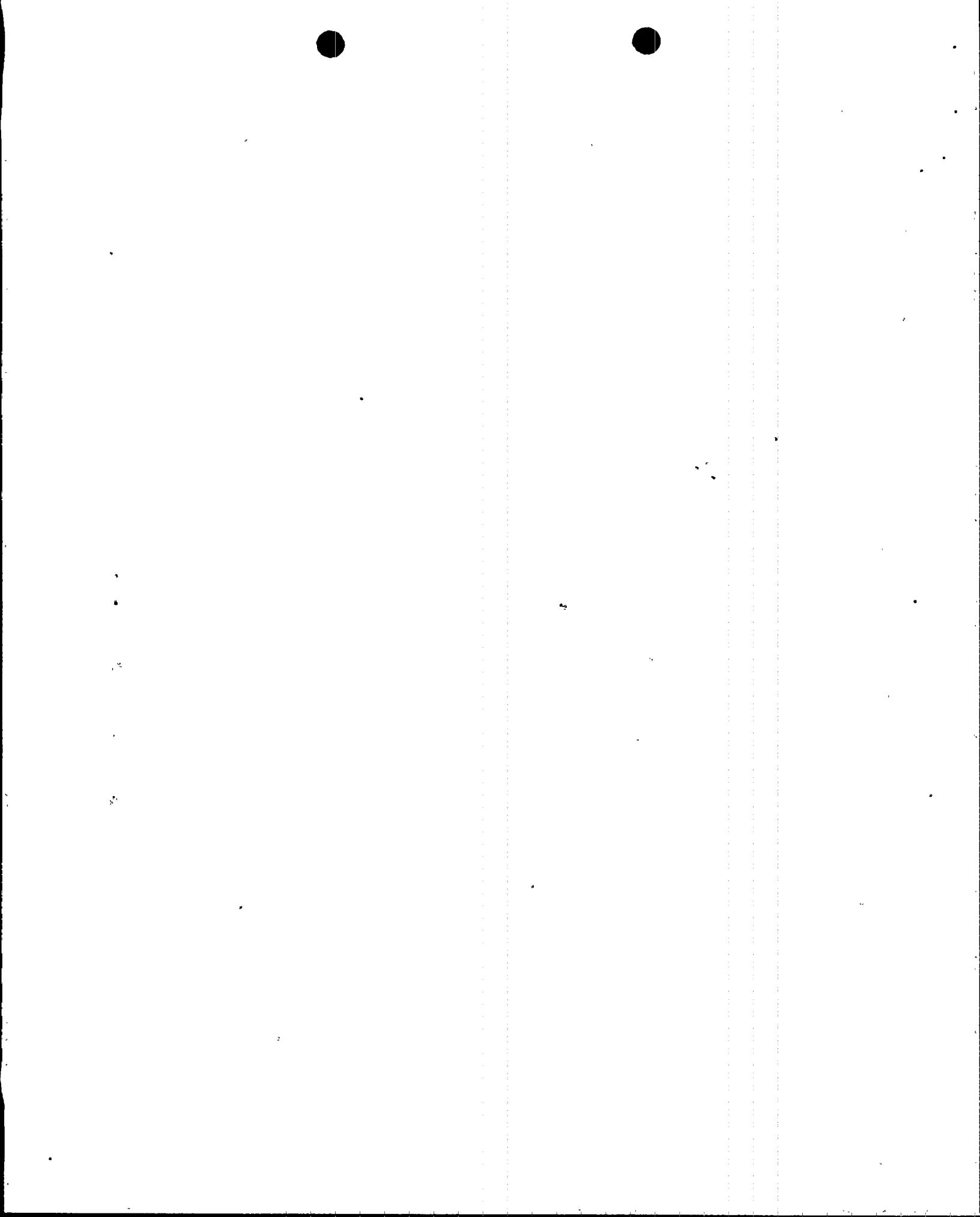
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CYCLE BURNUP 15,273 MWD/MTU

" " 11,949 EFPH

SOURCE: NUT 3 (J8872) 2/24/84

ERK 8/14/84



Turkey Point Unit 3 Cycle 9
Core Radial Power Comparison

Note: Relative power fraction is the same as previously supplied in L-84-91

33,002	31,510	34,136	17,243	32,180	30,999	28,735	34,141	- EOC BU (MWD/MTU)
18,284	16,415	19,321	0	18,505	18,520	18,284	30,750	- BOC BU (MWD/MTU)
14,718	15,046	14,815	17,243	13,676	12,479	10,451	3,391	- A BU (")
1.16	1.19	1.17	1.36	1.08	.98	.82	.27	- RPF
	32,059	16,997	32,582	16,709	29,846	13,188	28,837	
	16,494	16,997	18,148	16,709	15,992	0	25,611	
	15,565	16,997	14,434	16,709	13,854	13,188	3,226	
	1.22	1.34	1.14	1.32	1.09	1.04	.25	
		38,524	16,722	33,284	30,730	11,232		
		24,624	0	19,027	18,175	0		
		13,900	16,722	14,257	12,555	11,232		
		1.09	1.32	1.12	.99	.88		
			39,160	16,691	13,692	24,825		
			25,558	0	0	19,633		
			13,602	16,691	13,692	3,192		
			1.07	1.31	1.08	.41		
				23,216	30,723			
				18,154	24,600			
				13,056	6,123			
				1.03	.48			

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CYCLE BURNUP 11,251 MWD/MTU
" " 8808 EFP4

SOURCE: NUT 3 (J470) 3/19/84

ERK 8/14/84

ATTACHMENT B

Turkey Point Unit 4 Cycle 8
Core Radial Power Comparison

42,714	20,282	35,150	14,648	35,103	30,215	16,049	30,470	- EOC BU (MWD/M
35,082	10,159	26,262	0	26,283	21,974	5,850	25,850	- EOC BU ("
7,632	10,123	8,868	10,648	8,820	8,241	10,199	4,620	- Δ BU ("
0.95	1.26	1.11	1.33	1.10	1.03	1.27	0.58	- RPF
	28,706	30,578	35,107	14,675	32,893	9,231	12,616	
	19,426	21,414	27,033	9,263	24,434	0	8,087	
	9,280	9,164	8,074	10,412	8,459	9,231	4,529	
	1.16	1.14	1.01	1.30	1.06	1.15	0.56	
		10,257	32,838	33,937	10,116	37,259		
		0	24,837	25,443	0	32,721		
		10,257	8,001	8,494	10,116	4,538		
		1.28	1.00	1.06	1.26	0.57		
			34,376	18,548	8,583	25,806		
			25,817	8,569	0	22,738		
			8,479	9,979	8,583	3,068		
			1.06	1.24	1.07	0.38		
				17,405	24,505			
				8,659	20,129			
				8,746	4,376			
				1.09	0.55			

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CYCLE BURNUP 801.1 MWD/MTU

" " 6260 EFPD

SOURCE: NUT 4 (J8859) 2/24/84

SRK 8/14/84

Turkey Point Unit 4 Cycle 9
Core Radial Power Comparison

Note: Relative power fraction is the same as previously supplied in L-84-54 3/1/84.

41,579	22,733	30,108	25,669	42,418	18,638	36,345	37,582	-EOG BU (MWD/MTU)
33,881	12,617	20,283	16,089	35,104	10,258	30,471	35,131	-BOC BU (")
7,698	10,116	9,825	9,580	7,314	8,380	5,874	2,451	-Δ BU (")
.96	1.26	1.23	1.20	.91	1.05	.73	.31	-RPF
	27,400	19,134	29,171	9760	32,551	8988	35,915	
	17,406	9,232	16,676	0	24,506	0	32,893	
	9,994	9,902	9,495	9760	8,045	8988	2,302	
	1.25	1.24	1.19	1.22	1.01	1.12	1.29	
		35,976	18,538	28,195	19,938	8,145		
		27,574	8,584	18,550	10,647	0		
		8,402	9,954	9,645	9,291	8,145		
		1.05	1.24	1.21	1.16	1.02		
			42,266	19,602	9251	34,091		
			34,378	10,117	0	30,578		
			7,888	9,485	9,251	3,513		
			.99	1.19	1.16	.44		
				9072	29,547			
				0	25,807			
				9072	3,740			
				1.13	.47			

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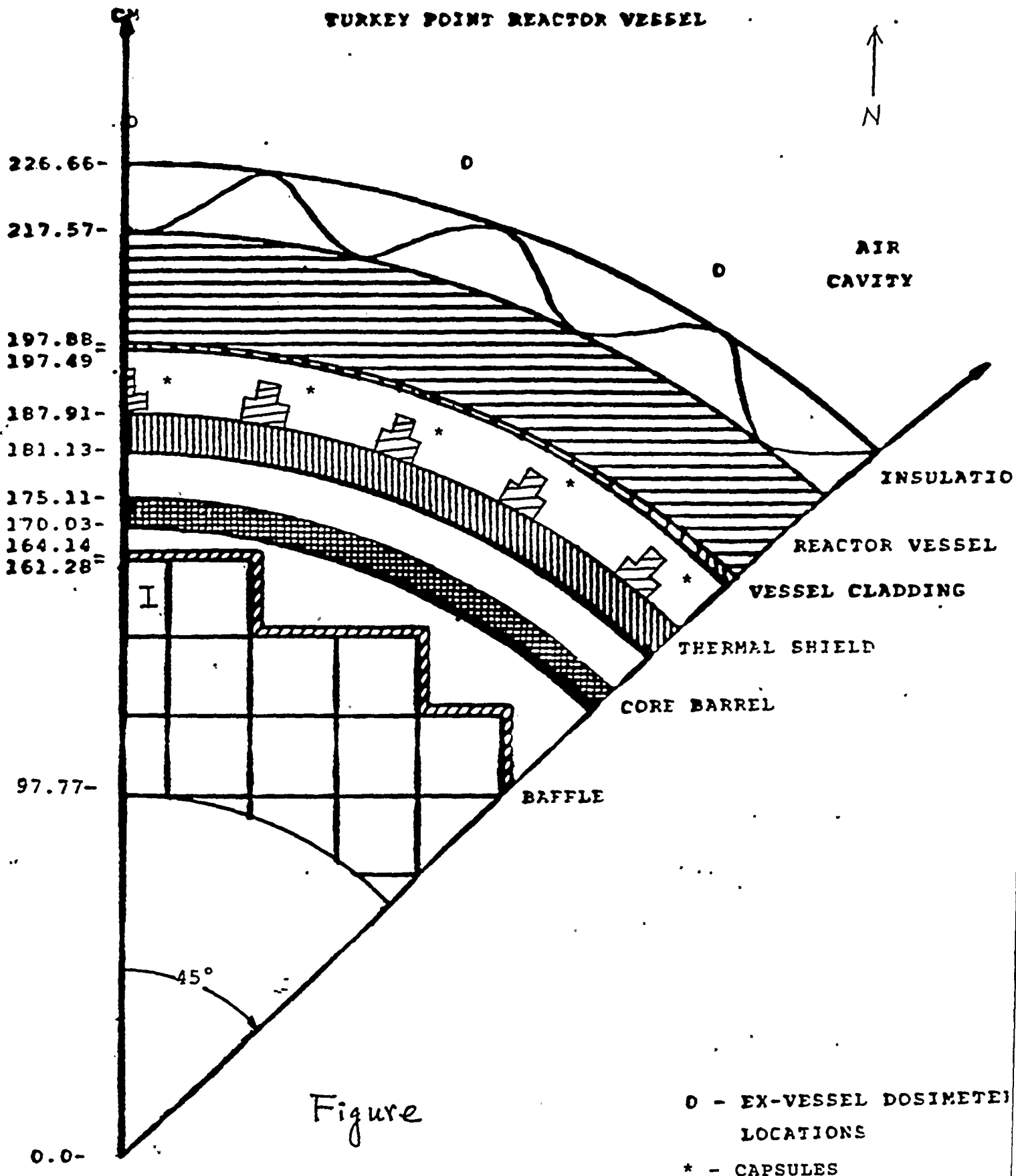
CYCLE BURNUP 7336 MWD/MTU

" " 5729 EFPD

SOURCE : NUT4 (J5342) 2/25/84

SRK 8/14/84

ATTACHMENT C



Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 3

Fuel Cycle :

1

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
C32	12	138	.40	5,074
(at location I in Figure)	11	126	.67	
	10	114	.79	
	9	102	.84	
	8	90	.88	
	7	78	.90	
	6	66	.90	
	5	54	.89	
	4	42	.89	
	3	30	.87	
	2	18	.75	
	1	6	.44	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant : Turkey Point Unit 3

Fuel Cycle : 2

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
D52	12	138	.44	3,307
(at location I in Figure)	11	126	.72	
	10	114	.82	
	9	102	.82	
(8	90	.82	
	7	78	.84	
	6	66	.85	
	5	54	.86	
	4	42	.86	
	3	30	.86	
	2	18	.76	
	1	6	.47	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 3

Fuel Cycle : 3

Core Loading Configuration : See Figure

Assembly ID	Node #. (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
C52	12	138	.36	20,870
(At location I in Figure)	11	126	.52	
	10	114	.55	
	9	102	.56	
(8	90	.58	
	7	78	.58	
	6	66	.58	
	5	54	.60	
	4	42	.60	
	3	30	.59	
	2	18	.54	
	1	6	.36	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 3

Fuel Cycle : 4

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MPC Burnup (MWd/MT)
D52	12	138	.31	19,250
(at location I in Figure)	11	126	.48	
	10	114	.56	
	9	102	.58	
(8	90	.58	
	7	78	.59	
	6	66	.59	
	5	54	.59	
	4	42	.59	
	3	30	.59	
	2	18	.55	
	1	6	.38	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

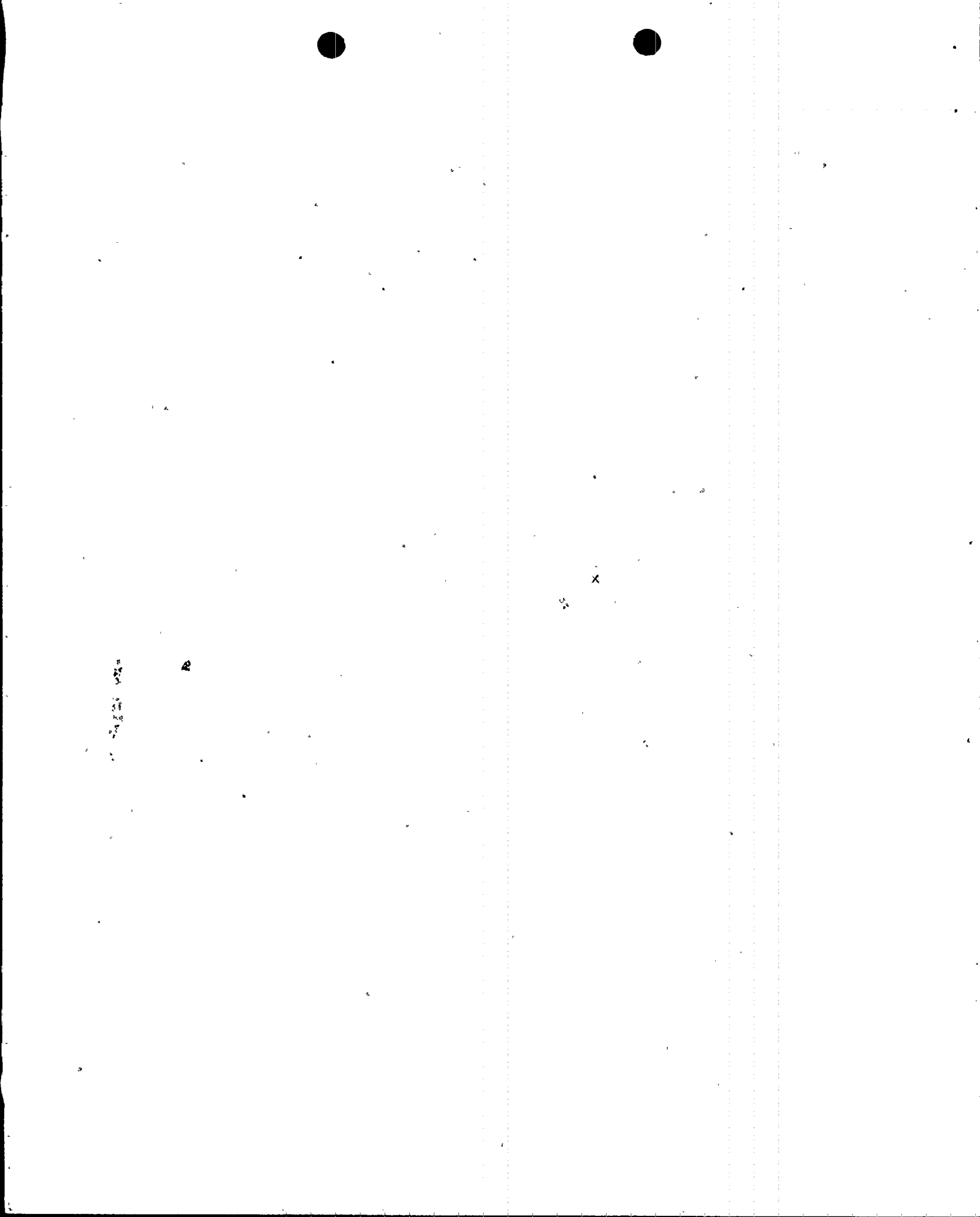
Turkey Point Unit 3

Fuel Cycle : 5

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
H15	12	138	.49	3,923
(at location I in Figure)	11	126	.80	
	10	114	.94	
	9	102	.94	
	8	90	.99	
	7	78	.98	
	6	66	1.04	
	5	54	1.02	
	4	42	1.06	
	3	30	1.02	
	2	18	.93	
	1	6	.62	

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Assembly Axial Power and Assembly Burnup (MOC)

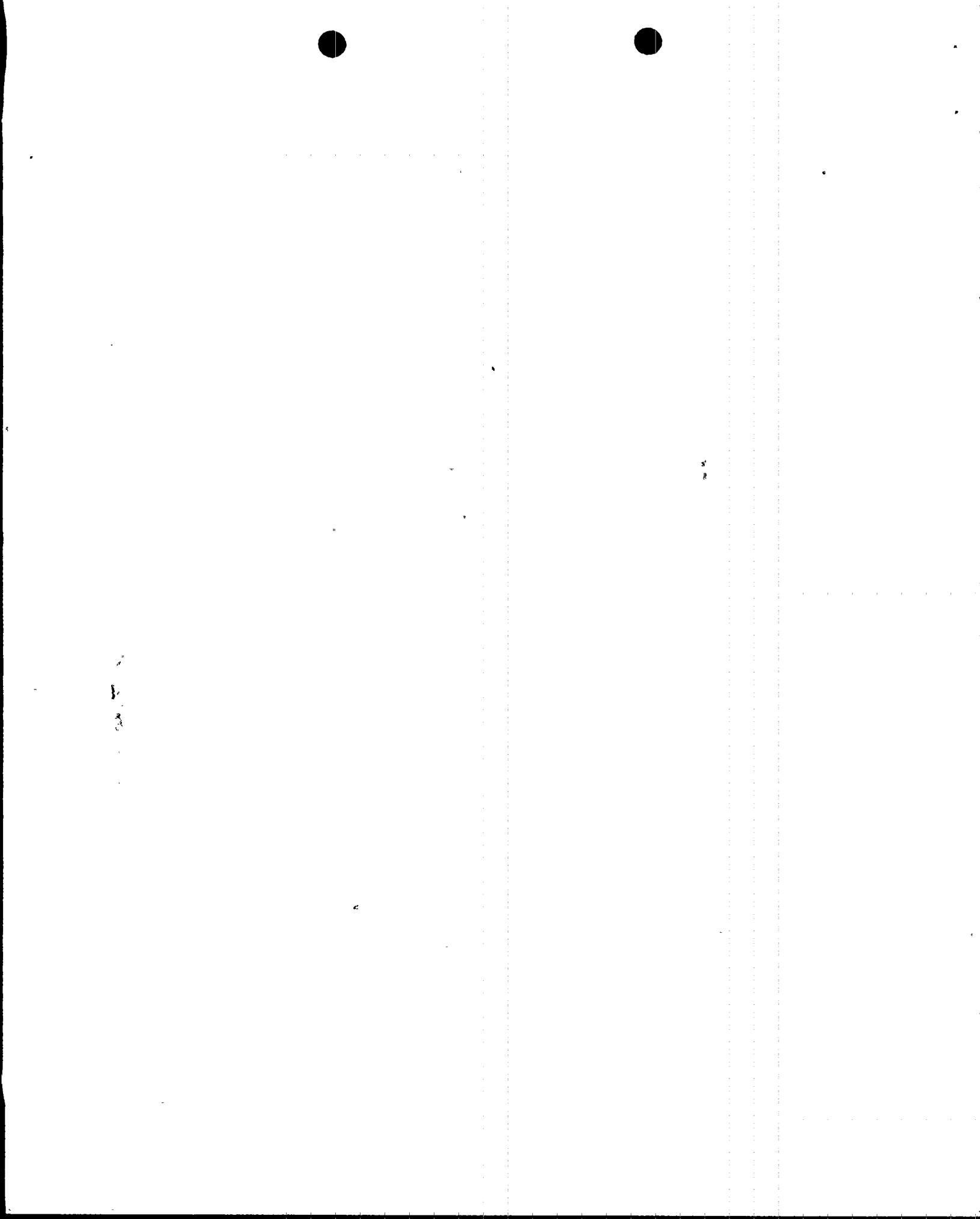
Plant : Turkey Point Unit 3

Fuel Cycle : 6

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
V25	12	138	.45	2,416
(at location I in Figure)	11	126	.75	
	10	114	.90	
	9	102	.91	
(8	90	.96	
	7	78	.95	
	6	66	.99	
	5	54	.98	
	4	42	1.50	
	3	30	.95	
	2	18	.84	
	1	6	.52	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant : Turkey Point Unit 3

Fuel Cycle : 7

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MW/D/MT)
K10 (at location I in Figure)	12	138	.49	3,502
	11	126	.66	
	10	114	.73	
	9	102	.73	
	8	90	.75	
	7	78	.71	
	6	66	.75	
	5	54	.73	
	4	42	.75	
	3	30	.71	
	2	18	.68	
	1	6	.46	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 3

Fuel Cycle : 8

Core Loading Configuration : See Figure

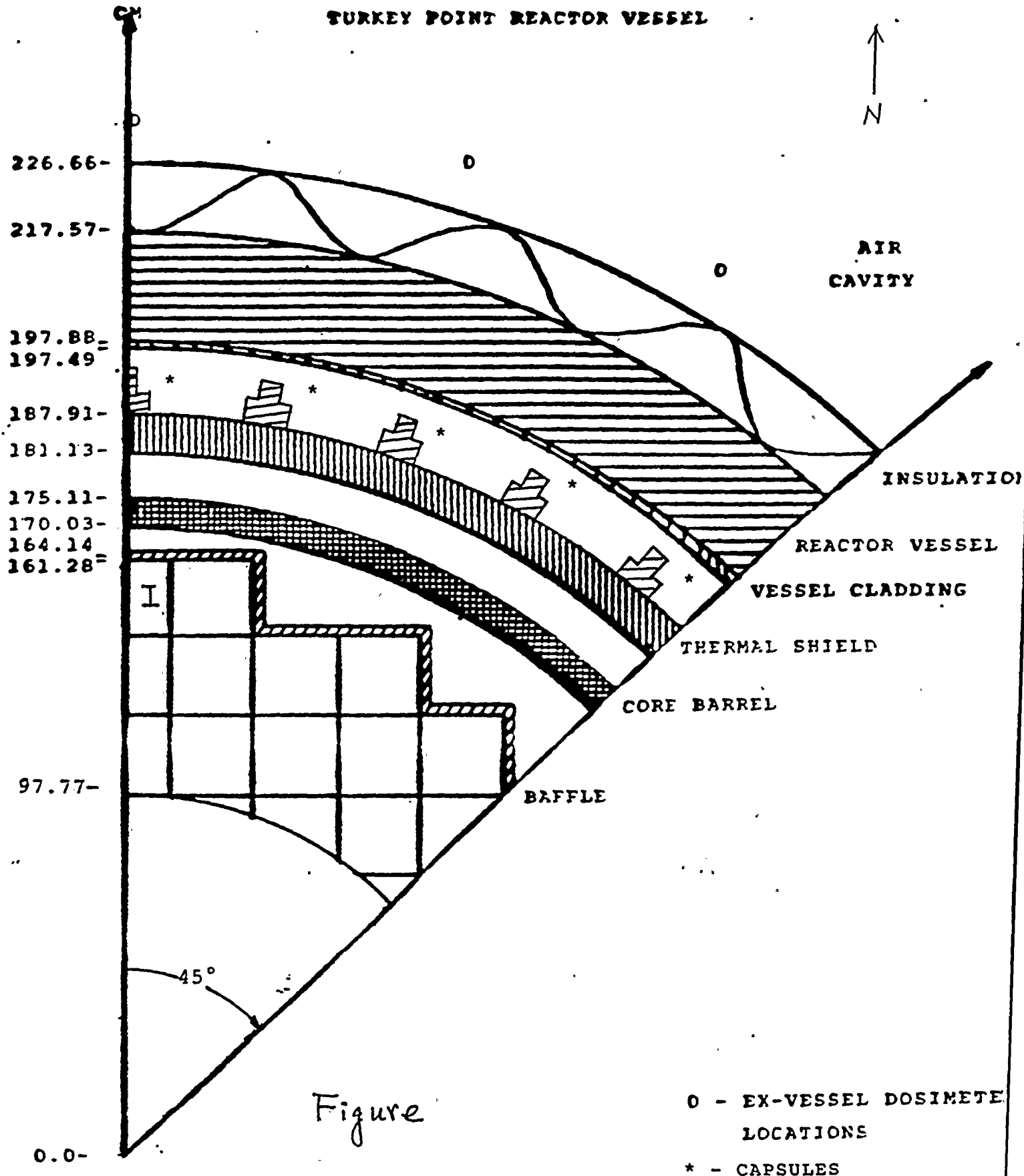
Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
M19	12	138	.40	5,077
(at location I	11	126	.62	
in Figure)	10	114	.70	
	9	102	.69	
(8	90	.73	
	7	78	.71	
	6	66	.74	
	5	54	.72	
	4	42	.74	
	3	30	.71	
	2	18	.67	
	1	6	.46	

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ATTACHMENT D

TURKEY POINT REACTOR VESSEL



Figure

- O - EX-VESSEL DOSIMETE LOCATIONS
- * - CAPSULES

Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 4

Fuel Cycle : 1

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
(at location I in Figure)	12	138	.44	5,608
	11	126	.73	
	10	114	.87	
	9	102	.87	
	8	90	.87	
	7	78	.88	
	6	66	.89	
	5	54	.87	
	4	42	.84	
	3	30	.78	
	2	18	.66	
	1	6	.40	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

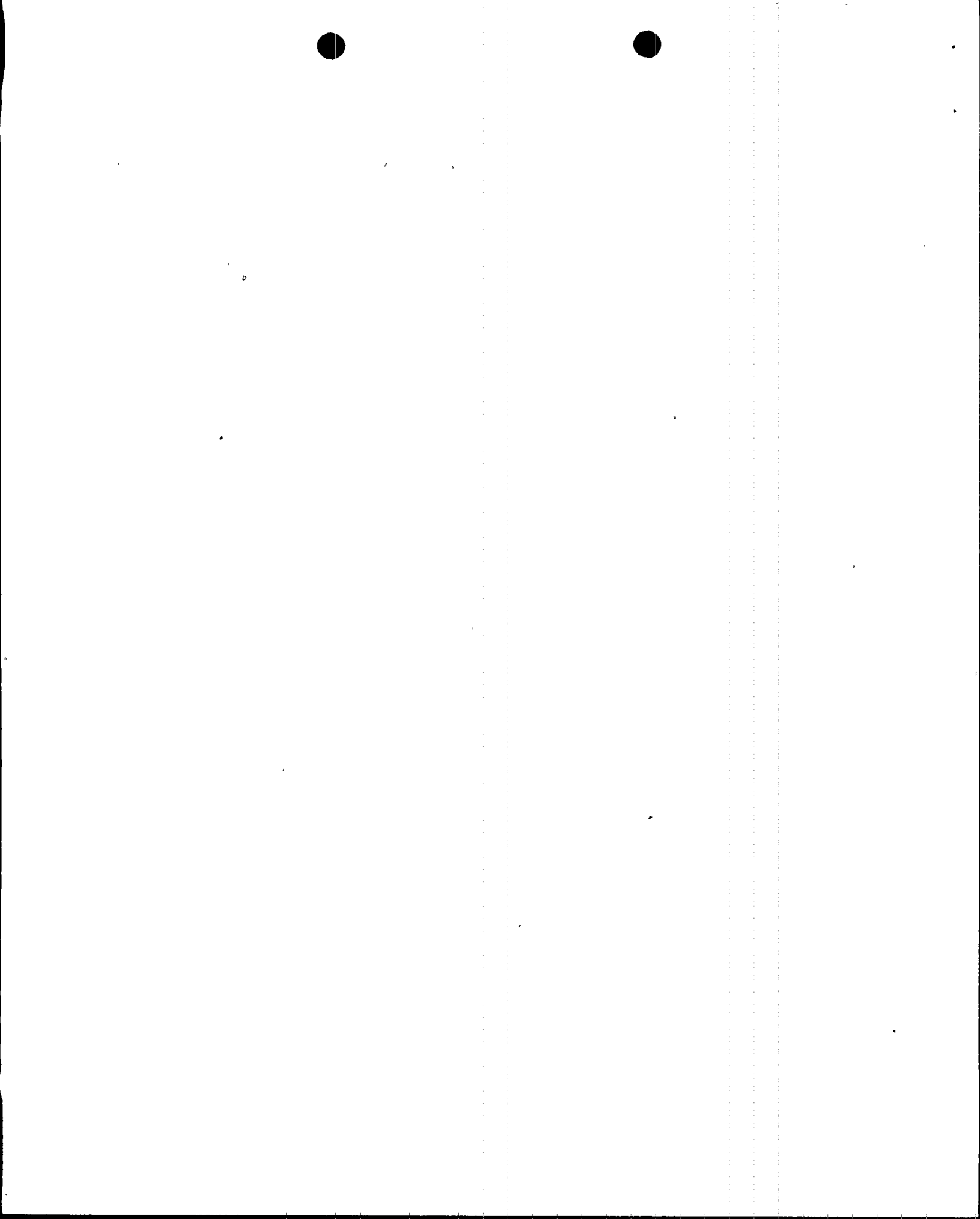
Turkey Point Unit 4

Fuel Cycle : 2

Core Loading Configuration : See Figure

<u>Assembly ID</u>	<u>Node # (from core bottom)</u>	<u>Axial Location (Inch)</u>	<u>RPD</u>	<u>MOC Burnup (MWD/MT)</u>
R51	12	138	.40	2,898
(at location I in Figure)	11	126	.67	
	10	114	.75	
	9	102	.77	
(8	90	.76	
	7	78	.76	
	6	66	.77	
	5	54	.79	
	4	42	.79	
	3	30	.78	
	2	18	.69	
	1	6	.43	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant : Turkey Point Unit 4

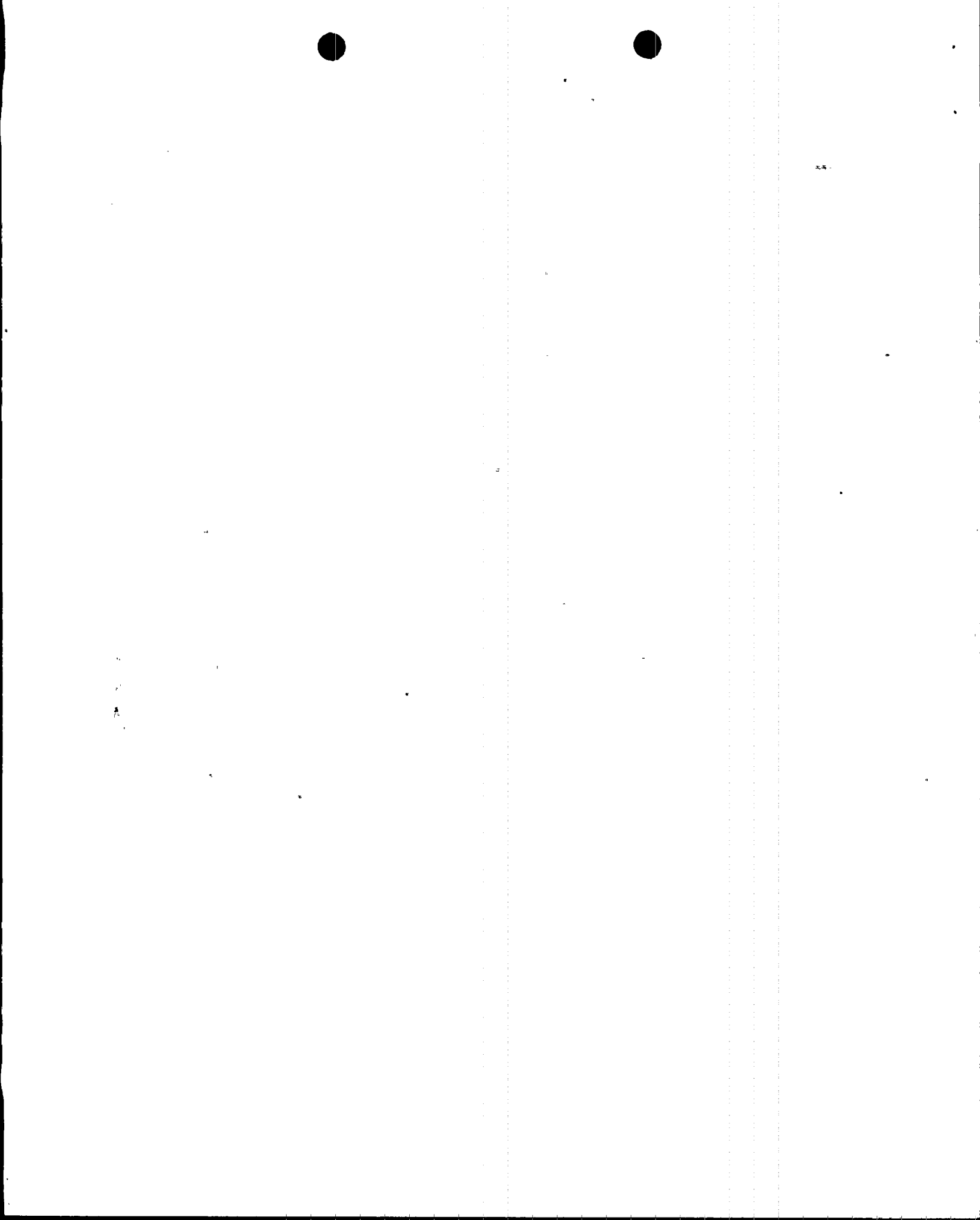
Fuel Cycle : 3

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWd/MT)
RS1 (at location I in Figure)	12	138	.33	8,153
	11	126	.53	
	10	114	.65	
	9	102	.66	
	8	90	.68	
	7	78	.69	
	6	66	.69	
	5	54	.69	
	4	42	.69	
	3	30	.68	
	2	18	.57	
	1	6	.34	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 4

Fuel Cycle : 4

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
P38 (at location I in Figure)	12	138	.23	28,953
	11	126	.36	
	10	114	.50	
	9	102	.58	
	8	90	.57	
	7	78	.56	
	6	66	.58	
	5	54	.65	
	4	42	.61	
	3	30	.58	
	2	18	.46	
	1	6	.19	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 4

Fuel Cycle : 5

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
P36	12	138	.28	28,398
(at location I in Figure)	11	126	.38	
	10	114	.41	
	9	102	.41	
	8	90	.43	
	7	78	.41	
	6	66	.43	
	5	54	.41	
	4	42	.43	
	3	30	.41	
	2	18	.38	
	1	6	.28	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant : Turkey Point Unit 4

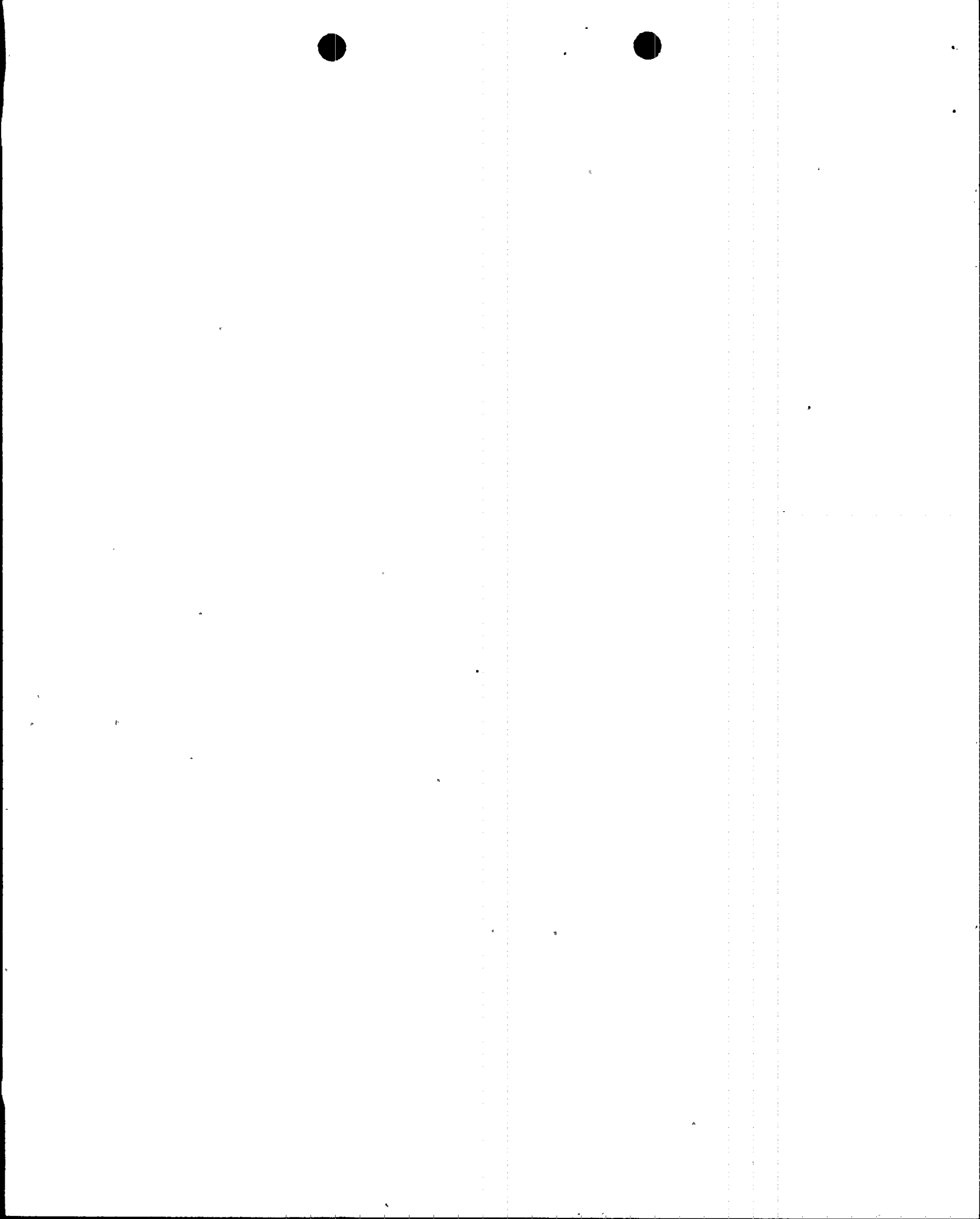
Fuel Cycle : 6

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
W18 (at location I in Figure)	12	138	.43	4,886
	11	126	.68	
	10	114	.80	
	9	102	.82	
	8	90	.86	
	7	78	.93	
	6	66	.86	
	5	54	.84	
	4	42	.88	
	3	30	.84	
	2	18	.78	
	1	6	.52	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant : Turkey Point Unit 4

Fuel Cycle : 7

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
XD9 (at location I in Figure)	12	138	.44	2,924
	11	126	.68	
	10	114	.76	
	9	102	.77	
	8	90	.81	
	7	78	.79	
	6	66	.82	
	5	54	.80	
	4	42	.85	
	3	30	.81	
	2	18	.75	
	1	6	.49	

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Assembly Axial Power and Assembly Burnup (MOC)

Plant :

Turkey Point Unit 4

Fuel Cycle : 8

Core Loading Configuration : See Figure

Assembly ID	Node # (from core bottom)	Axial Location (Inch)	RPD	MOC Burnup (MWD/MT)
W60 (at location I in Figure)	12	138	.37	28,160
	11	126	.55	
	10	114	.61	
	9	102	.62	
	8	90	.65	
	7	78	.62	
	6	66	.65	
	5	54	.62	
	4	42	.67	
	3	30	.62	
	2	18	.60	
	1	6	.38	

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