Advanced Test Reactor
FY10
Integrated Strategic Operational Plan

Rev. 3

2/9/2010

	FY10 Annual Test Plan									
Cycle	145B		146A		146B		147A		148A	
	Outage	EFPD	Outage	EFPD	Outage	EFPD	Outage	EFPD	Outage	EFPD
Duration (days)	14	56	14	56	14	49	14	49	14	56
Planned Start	11/7/2009	11/21/2009	1/23/2010	2/6/2010	4/3/2010	4/17/2010	6/5/2010	6/19/2010	8/7/2010	8/21/2010
Planned Finish	11/20/2009	1/22/2010	2/5/2010	4/2/2010	4/16/2010	6/4/2010	6/18/2010	6/6/2010	8/20/2010	10/15/2010
NE Lobe Power, MW	18.0 +1.5/-2.0		18.0 +1.5/-2.0		18.0 +1.5/-2.0		18.0 +1.5/-2.0		18.0 +1.5/-2.0	
SE Lobe Power, MW	25.0 +3.0/-3.0		26.0 +2.0/-4.0		26.0 +2.0/-4.0		23.0 +3.0/-3.0		23.0 +3.0/-3.0	
SW Lobe Power, MW	23.0 +3.0/-3.0		25.0 +1.0/-5.0		23.0 +3.0/-3.0		23.0 +3.0/-3.0		23.0 +3.0/-3.0	
NW Flux Trap	18.0 +3.0/-3.0		18.0 +3.0/-3.0		23.0 +1.0/-5.0		23.0 +1.0/-5.0		18.0 +3.0/-3.0	
SE Flux Trap	SE-190 cont.						SE-218 (Std Backup)		SE-191	
SW Flux Trap	SW-183 cont.				SW-218 (Std Backup)		SW-184			
NW Flux Trap	NW-157 cont.		NW-100 (Backup)		NW-159 (90-100 EFPD)				NW-100 (Backup)	
North Flux Trap	N-100 cont.		N-104							
West Flux Trap	W-73 cont.		W-74							
NE Flux Trap	MICE 8A/8B cont.									
Center Flux Trap					AFIP-6A/B				AFIP-7	
East Flux Trap -1	AFC-2D cont.									
East Flux Trap -2	AFC-2E cont.									
East Flux Trap -3	AFC-2C cont.		GFR-F1-2							
East Flux Trap -4	UW-1				UW-2					
East Flux Trap -5										
East Flux Trap-6										
East Flux Trap-7	NCSU-D/B cont.									
South Flux Trap	AGC-1 cont.						Rotate 180°			
Driver Position										
A1-A8	WFO									
A9	WFO									
A10	UCSB-1-2						WFO			
A11	UI-1-2		UI-1-3		UI-1-4		UI-1-5		UI-1-6	
A12	WFO									
A13							EPRI-ZG-A			
A14							EPRI-ZG-C			
A15							EPRI-ZG-D			
A16							EPRI-ZG-B			
B1	UF-1B/C									
B2	TMIST-2 cont.								USU-1	
B3-B6	WFO									
B7 (HSIS)										
B8										
B9							RERTR-11-1			
B10							RERTR-13			
B11			RERTR-12-1		RERTR-12-2		RERTR-12-3		RERTR-12-4	
B12							AGR-2			
H1, H2, H4-H10	WFO									
H12-H16	WFO									
I9										
I23										
I13										

For Approval

Center Lobe Power[1], MW		25.8/29.0		28.5/31.5		31.1/34.1		28.5/31.5		24.0/27.3
North Lobe Power[1], MW		20.6/23.2		21.5/24.0		24.0/25.9		23.2/25.0		20.0/22.6
West Lobe Power[1], MW		22.3/25.3		23.8/26.2		25.7/28.0		24.8/27.2		21.7/24.8
East Lobe Power[1], MW		22.9/25.5		24.2/26.3		25.0/27.2		23.2/25.7		21.7/24.3
South Lobe Power[1], MW		24.6/27.7		26.5/28.5		26.7/29.4		24.8/27.8		23.3/26.4
Upgrades / Maintenance										
2A Reactivation										
DCS/CDS Replacement										
2E-NW Pump Replacement										
M-2/M-4 Heat Exchanger										

For Information

[1] Estimated Nominal and Maximum Startup Powers for design purposes only (Ref TEV-288)

Experiment Sponsor
Naval Reactors
NSUF Program Office
NGNP
AFCI
NNSA
Other

Reviewed: [signature] for 2-9-10
NSUF Scientific Director

Approved: [signature] 2-9-10
Director, ATR Programs

Concur: M. E. Sebengel 2-11-10
NR Representative, Bettis

Concur: [signature]
ATR Complex Team Leader, DOE-ID