Advanced Test Reactor Unplanned Shutdowns, Slow Setbacks, Power Reductions for FY-2009 and FY-2010

#	DATE	EVENT	TIME LOST	SUPPORTING DOCUMENTATION
	FY-2009			
1	10/15/2008	Slow Setback due to Quad 3 Water Power Alarm	18 minutes	N/A
2	10/16/2008	Manual Shutdown due to Seismic concerns re: Utility Battery Room Cinder Block walls	480.6 hours	ORPS NE-ID—BEA-ATR-2008-0028
3	11/21/2008	Manual scram due to increased PCS activity and stack noble gas activity due to leaking RERTR experiment	118.02 hours	N/A
4	01/19/2009	Manual scram due to Outer Shim Control Cylinders issues (faulty synchro in N 3 & 4 OSCC position indication)	44.05 hours	N/A
5	03/17/2009	Power reduction due to Regulating Rod #2 controller failure	12 minutes	N/A
6	05/31/2009	Manual scram due to inconsistent changes in neutron level power	72.11 hours	Critique Report ATR-CR-05-31-09
7	09/29/2009	Reactor scram due to Breaker B-1 on diesel bus 670-E-9 tripped open on ground fault indication	48.95 hours	ORPS NE-ID—BEA-ATR-2009-0022 INR
	FY-2010			
8	10/08/09	Reactor scram due to loss of loop 2B-SE pump M-2 tripped by low NPSH (operator error)	67.82 hours	ORPS NE-ID—ATR-2009-0023 Critique Report ATR-CR-10-08-09

9	10/12/2009	Reactor scram due to loss of diesel power. Started up on 10/14/09 and manually scrammed due to E 3 & 4 Outer Shim Control Cylinder relay failure	76.15 hours	INR
10	11/06/2009	Reactor scram due to loss of diesel generator power – entered scheduled 145B-1 outage early	28.72 hours	Critique Report ATR-CR-10-13-2009 INR
11	12/01/2009	Manual scram due to error in Core Safety Assurance Package (CSAP)	74.31 hours	ORPS NE-ID—BEA-ATR-2009-0025 Critique Report ATR-CR-12-01-09 INR
12	01/06/2010	Slow Setback due to Water Power Calculator #1	.97 hours	N/A
13	01/14/2010	Slow Setback due to spurious inlet temperature up-spike	.72 hours	N/A
14	02/14/2010	Manual scram due to loss of ventilation in reactor building due to RMS-1 trip	86.25 hours	INR
15	05/30/2010	Manual power reduction/scram due to high RTM - entered scheduled outage 147A-1 early	145.4 hours	INR
16	07/13/2010	Slow Setback due to Quad IV flow instrument malfunction	46 minutes	INR
17	07/23/2010	Manual shutdown due to low lubricating oil pressure in M-6 Primary Coolant Pump	55.53 hours	NE-ID—BEA-ATR-2010-0013 INR
18	07/25/2010	Slow Setback due to Loop Thermocouple (TC-4) reached SSB setpoint	.48 hours	INR