

Facility: <u>Fermi Power Plant Unit 2</u>		Date of Examination: <u>Week of 3/19/2012</u>
Developed by: Written - Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating - Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	meb
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	meb
-120	3. Facility contact briefed on security and other requirements (C.2.c)	meb
-120	4. Corporate notification letter sent (C.2.d)	meb
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 3)]	NA
{-75}	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	meb
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	meb
{-45}	8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6, and any Form ES-201-3 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	meb
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	meb
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	meb
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	meb
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	meb
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	meb
-7	14. Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 5; ES-202, C.2.e; ES-204)	meb
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	meb
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	meb
<p>* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.          [Applies only] {Does not apply} to examinations prepared by the NRC.</p>		



NRC ILE Outline and Operating Test Submittal Comments

Fermi Power Station  
Exam Date 03/19/2012  
Operating Test 2012-301

ILT Class

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<b>Outline</b>
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No Outline comments submitted.

<b>OPERATING TEST</b>		
<u>Operating Test JPMs</u>		
<b>SRO Admin JPMs</b>		
Adm a 406	a) Step 5, add 24 hr data for applicant to review.	a) Incorporated.
Adm b 408	a) Step 3, replace "0" with "125.6".	a) Incorporated.
Adm d 435	a) Provide Answer Key with critical items denoted. b) Replaced Outline SRO Admin JPM 409, Approve a Discharge Permit, with Proposed Admin JPM 435, Notify Hospital for Contaminated Injured Worker	a) Incorporated. b) Revised SRO ES 301-1
	a) Make Initial Conditions and Initiating Cue past tense. b) Pg 3, "Tab F" vice "Tab S"	a) Incorporated. b) Incorporated.
Admin e	a) Replaced Outline SRO admin JPM for classifying after Scenario 1, to prepared SAE.	a) Incorporated
<b>Simulator JPMs</b>		
Sim a 406	a) NRC not rod verifier, use licensee	a) Incorporated.
Sim b 203	a) Add "Start only one RWCU pump" to Initiating Cue. b) Add Step 5, denote in Standard that F119 initially open position.	a) Incorporated. b) Incorporated.
Sim c 444	a) Add to terminating cue "...reduce pressure to 1032 psig to clear Rx Pressure High alarm".	a) Incorporated.

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	b) Before Step 16, cue applicant to use Hard Card to lower RRP speed to lower power until Rx Pressure alarm cleared.	b) Incorporated.
Sim d 406	a) Give procedure reference in the Initiating Cue.	a) Incorporated.
Sim f 001	a) Step 6 not critical.	a) Incorporated.
Sim g 402	a) Step 6 not critical.	a) Incorporated.
<b>Inplant JPMs</b>		
IPi 001	a) Step 2 is critical. b) Step 7 is not critical.	a) Incorporated. b) Incorporated.
IPj 002	a) After Step 4, cue that C is 1500 mr/hr and lowering, A, B, and D reading 1100 mr/hr. b) Add picture for relay room and APRM face	a) Incorporated. b) Incorporated.
IPk 215	a) Steps 1, 3 and 4 not critical (delete asterisks). b) Steps 2 and 6 are critical (add asterisks). c) Include APRM face picture with Step 3. d) Make procedure double sided to resemble plant procedure format.	a) Incorporated. b) Incorporated. c) Incorporated. d) Incorporated.

Operating Test Scenarios

<b>Scenario 1</b>		
Event 2	Pg 3 title should be RRMG "A" vice "B"	Incorporated.
Event 2	Pg 3 TS 3.4.1, scenario will never run 2 hrs, delete the SLO condition of "2 hrs to declare non-operating loop inop".	Incorporated.
Event 2	Pg 4, make recirc runaway at < or = 95% vice 63%	Incorporated.
Event 2	Pg 4 place Step 2, "Verifies Reactor Power<67.2% or insert the Cram Array to lower Reactor Power<67.2%" after Step 5.	Incorporated.

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Event 10	D-1, not N, part of M. Replace N with M.	Incorporated.
Event 10	Pg 16 Add NOTE at bottom of page that "May close F010 Cross-tie or F017 B if timed out to prevent overfilling.	Incorporated.
<b>Scenario 2</b>		
Event 1	D-1, replace N(All) with N(SRO,ATC).	Incorporated.
Event 2	D-1, replace N(All) with C(ATC,SRO)	Incorporated.
Event 3	D-1, replace I(All) with SRO TS	Incorporated.
	pg. 5, SRO: TS 3.3.5.1 Condition D, add "12 hr"	Incorporated.
Event 4	D-1, replace C(All) with C(BOP,SRO)	Incorporated.
	pg. 6, Insert procedure reference 20.109.01 for BOP and SRO.	Incorporated.
Event 5	D-1, replace C(All) with M(All)	Incorporated.
	pg. 7, add statement that "starting SBFW not sufficient to restore RWL".	Incorporated.
Events 5,6,7	D-1, combine into M(All), rewrite writeups	Incorporated.
	Pg 8, Add SRO directs BOP to place RHR in Torus Cooling mode to lower Torus Temperature	
Event 8	D-1, injecting SLC and inserting rods are part of same critical task to shutdown reactor (CT1a, CT1b)	Incorporated.
Event 10	D-1, replace "SRV A fails open" with "Close SRV (c)" and replace (All) with BOP, SRO.	Incorporated.
	pg. 12, Insert procedure reference 20.000.25 for BOP and SRO.	Incorporated.
<b>Scenario 3</b>		
Event 4	D-1, replace C(All) with C(SRO/BOP)	Incorporated.
Event 5	D-1, replace RHR with RHRSW	Incorporated.
Event 8	D-1, replace C(BOP) with C(ATC).	Incorporated.

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