

MAR 01 1985

To: A. Chaffee, Chief, Reactor Projects Branch
From: L. Miller, Chief, Reactor Projects Section II
Subject: Status of Construction, Inspection Program (MC 2512) at Palo Verde
Units 2 and 3

The schedules for completion of the Priority 1 construction inspection program at Palo Verde Units 2 and 3 are attached. It appears that the program can be completed at both units without impeding the regional operating license recommendations. (The latest APS schedule for licensing is September 6, 1985 for Unit 2 and September 1, 1986 for Unit 3). Several construction module "windows," during which the module was supposed to be performed, were not met. However, most of these windows are on modules relating to review of quality records for an activity. These modules will be completed in the time which remains without reduction of the scope of the inspection program. A few of the windows missed involved observation of work in progress, work which has been completed. In every case (30-75%) enough observation of the Priority 1 work has been or will be observed so that the overall reduction in the scope of the program which occurred will have been too slight to be significant. (This presumes no dilution of the Construction Resident and Senior Resident attention due to reactive items).

L. Miller
L. Miller, Chief
Reactor Projects Section 2

cc w/enclosure:
G. Hernandez

bcc:
RSB/Document Control Desk (RIDS)
pink/green/docket file copies
Mr. Martin

LM
MILLER/dot

2/25/85

8503050327 650301
PDR ADOCK 05000529
G PDR

IEO 1/11

UNIT NO. 2

*Denotes missed windows

<u>MODULE/ PRIORITY</u>	<u>TITLE</u>	<u>PERCENT COMPLETE</u>	<u>WINDOW</u>	<u>NEW TARGET DATE</u>
1.	37051B/II Review of As-Builts	0	One year before OL	3/31/85(J.B.)
2.	47055B/I Containment (Structural Concrete) Review of QA Records	60	*Before work is 50% complete	1/31/85(J.B.)
3.	48055B/I Containment (SS & Supports) Review of QA Records	50	*Before work is 80% complete	2/28/85(J.B.)
4.	49065B/I Safety Related Piping Review of QA Records	0	*Before work is 80% complete	3/31/85(G.H.)
5.	50055B/I Reactor Vessel Installation Review of QA Records	50	*RV install.(270) + 2 months	1/31/85(G.H.)
6.	50074B/I Safety Related Components II Observation of Work	50	*Before work is 80% complete	4/30/85(G.H.)
7.	50075B/I Safety Related Component I Review of QA Records	50	*Before work is 40% complete	4/30/85(G.H.)
8.	50076B/II Safety Related Components II Review of QA Records	0	Work complete + 1 month	5/31/85(G.H.)
9.	50090B/I Safety Related Pipe Supports & Restraint Systems	80	Before work is 100% complete	3/31/85(G.H.)
10.	51064B/I Electrical (Cable & Terminations II) Observation of Work	30	Before work is 90% complete	2/28/85(G.H.)
11.	51065B/I Electrical (Cable & Terminations I) Review of QA Records	40	*Before work is 50% complete	2/28/85(G.H.)
12.	51066B/I Electrical (Cable & Terminations II) Review of QA Records	0	Elect. cable completed 285 + 1 month	3/31/85(G.H.)

	<u>MODULE/ PRIORITY</u>	<u>TITLE</u>	<u>PERCENT COMPLETE</u>	<u>WINDOW</u>	<u>NEW TARGET DATE</u>
13.	52054B/I	Instrumentation (Components & Systems I) Observation of Work	0	*Before work is 80% complete	4/30/85(J.B.)
14.	52055B/I	Instrumentation (Cable & Terminations I) Review of QA Records	0	*Before work is 40% complete	4/30/85(J.B.)
15.	52056B/I	Instrumentation (Components & Systems II) Review of QA Records	0	Cable install. completed (295) + 1 month	6/31/85(G.H.)
16.	52063B/I	Instrumentation (Cables & 0 Terminations I) Observation of Work	0	Before work is 100% complete	5/30/85(J.B.)
17.	52064B/I	Instrumentations (Cables 0 & Terminations II) Observation of Work	0	Before work is 90% complete	5/30/85(J.B.)
18.	52065B/I	Instrumentation (Cables & 0 Terminations I) Review of QA Records	0	*Before work is 50% complete	4/30/85(G.H.)
19.	52066B/I	Instrumentation (Cables & 0 Terminations II) Review of QA Records	0	295 + 1 month	6/31/85(G.H.)
20.	63050B/I	Containment SIT	-	Before OL issuance	2/28/85(J.B.)
21.	70307B	Containment Test: Integrated Leak Rate Test	-	OL (340) -3	2/28/85(J.B.)

UNIT NO. 3

*Denotes missed windows

	<u>MODULE</u>	<u>TITLE</u>	<u>PERCENT COMPLETE</u>	<u>WINDOW</u>	<u>NEW TARGET DATE</u>
1.	48055B	Containment (SS & Supports) Review of QA Records	20%	*Before work is 80% complete	
2.	48065B	Structures (SS & Supports) Review of QA Records	30%	*Before work is 50% complete	
3.	49054B	RCPB Piping can be recovered	0%	*Before work is 80% complete	
4.	49055B	RCPB Piping - Review of QA Records	0%	*Before work is 40% complete	
5.	49063B	Safety Related Piping	60%	*Before work is 60% complete	
6.	49065B	Safety Related Piping - Review of QA Records	0%	*Before work is 80% complete	
7.	50053B	Reactor Vessel Installation	90%	Before work is 100% complete	
8.	50055B	Reactor Vessel Installation - Review of QA Records	0%	*270 + 2 months	
9.	50061B	Reactor Vessel Internals - Review of QA Procedures	0%	*Before work is 10% complete	
10.	50065B	Reactor Vessel Internals - Review of QA Records	0%	*Installation + 2 months	
11.	50071B	Safety Related Components - Review of QA Procedures	0%	*Before work is 10% complete	

	<u>MODULE</u>	<u>TITLE</u>	<u>PERCENT COMPLETE</u>	<u>WINDOW</u>	<u>NEW TARGET DATE</u>
12.	50075B	Safety Related Components - Review of QA Procedures	0%	*Before work is 40% complete	
13.	50090B	Safety Related Pipe Support and Restraint Systems	80%	Work complete + 1 month	
14.	51055B	Electrical (Components & Systems I) Review of QA Records	0%	*Before work is complete	
15.	51056B	Electrical (Components & Systems II) Review of QA Records	0%	Work complete + 1 month	
16.	51061B	Electrical (Cables & Terminations I) Review of QA Procedures	0%	*Before work is 10% complete	
17.	51064B	Electrical (Cables & Terminations II)	0%	Before work is 90% complete	
18.	51065B	Electrical (Cables & Terminations I) Review of QA Records	0%	*Before work is 50% complete	
19.	51066B	Electrical (Cables & Terminations II) Review of QA Records	0%	285 + 1 month	
20.	52051B	Instrumentation (Components & Sys) Review of QA Procedures	0%	*Before work is 10% complete	
21.	52053B	Instrumentation (Components & Sys)	0%	*Before work is 30% complete	
22.	52054B	Instrumentation (Components & Sys II)	0%	Before work is 80% complete	
23.	52055B	Instrumentation (Components & Sys I) Review of QA Records	0%	*Before work is 40% complete	
24.	52056B	Instrumentation (Components & Sys II) Review of QA Records	0%	295 + 1 month	

	<u>MODULE</u>	<u>TITLE</u>	<u>PERCENT COMPLETE</u>	<u>WINDOW</u>	<u>NEW TARGET DATE</u>
25.	52061B	Instrumentation (Cables & Terminations) Review of QA Records	0%	*Before work is 10% complete	
26.	52064B	Instrumentation (Cables & Terminations) Observation of Work	0%	Before work is 90% complete	
27.	52065B	Instrumentation (Cables & Terminations) Review of QA Records	0%	*Before work is 30% complete	
28.	52066B	Instrumentation (Cables & Terminations II) Review of QA Records	0%	295 + 1 month	
29.	55153B	SS & Supports-Observation of Welding in Containment	75%	Before work is complete	
30.	55154B	SS & Supports-Observation of Welding Outside Containment	30%	Before work is complete	
31.	55155B	SS & Supports - Visual Exam of Welds	75%	Before work is complete	
32.	55156B	SS & Supports - Weld Heat Treatment	0%	*Before work is complete	
33.	55157B	SS & Supports - Welder Qualification	60%	Before work is complete	
34.	55158B (NA)	SS & Supports - Special Welding Applications	0%	*Before work is complete	
35.	55172B	RCPB Piping - Welding Material Control	90%	Before work is complete	
36.	55173B	RCPB Piping-Observation of Welding	50%	Before work is complete	
37.	55175B	RCPB Piping - Visual Exam of Welding	0%	*Before work is complete	

	<u>MODULE</u>	<u>TITLE</u>	<u>PERCENT COMPLETE</u>	<u>WINDOW</u>	<u>NEW TARGET DATE</u>
38.	55177B	RCPB Piping - Welder Qualification	25%	Before work is complete	
39.	55178B (NA)	RCPB Piping - Special Welding Applications	0%	*Before work is complete	
40.	55182B	Other Safety Related Piping - Welding Material Control	50%	Before work is complete	
41.	55183B	Other Safety Related Piping - Observation of Welding	30%	Before work is complete	
42.	55185B	Other Safety Related Piping - Visual Examination of Welds	30%	Before work is complete	
43.	55186B	Other Safety Related Piping - Weld Heat Treatment	70%	Before work is complete	
44.	55093B (NA)	Reactor Vessel Internal (Welding) Observation of Work	0%	*Installation + 1 month	
45.	63050B	Containment SIT	-	Before OL issuance	
46.	73051B	ISI - Program Review	-	309	
47.	73052B	ISI - Procedure Review	-	310	
48.	73053B	Preservice Inspection Observation of Work	-	Before work is 90% complete	
49.	73055B	Preservice Inspection - Data Review & Evaluation	-	310 + 2 months	

	JAN	FEB	MAR	APR	MAY	JUNE
G. Hernandez	RxVs1 QA Rcrds 50055B (50)	Elec Cable & Term Observe 51064B (30)	SR Piping - QA Records 49065B (0)	SR Components II 50074B (50)	Observ. & Record 50076B (0)	Inst. Review QA Records 52056 (0)
		Elec Cable & Term Review QA Records 51065B (40)	Elec Cable + Term Review QA Records 51066B (0)	SR Components I 50075B (50)	Observe & Record 52063B (0)	
J. Ball	Cont Concrete QA Records 47055B (60)	Cont Struct - QA Records 48055B (50)	Review As-Builts 37051B (0)	Inst. Cable & Term.-Observ 52064B (0)	 52064B	Inst.-Records 52066 (0)
		Cont. SIT 63050B (0)	SR Pipe Supports + Restraints 50090B (80)	Inst. Cable & Term.-Review Records 52065B (0)	 52065B	
		Cont. ILRT 70307B (0)	Instrum. Comp + Systems-QA Records 52054B (0)	 52054B (0)		
			Instrum. Comp. + Systems-QA Records 52055B (0)	 52055B (0)		