



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION V

1450 MARIA LANE, SUITE 260  
WALNUT CREEK, CALIFORNIA 94596

December 22, 1982

MEMORANDUM FOR: G. W. Knighton, Chief, Licensing Branch No. 3,  
Division of Licensing, NRR

FROM: J. L. Crews, Director, Division of Resident, Reactor  
Projects and Engineering Program

SUBJECT: DIABLO CANYON MODIFICATIONS

In accordance with a previous request (memorandum from F. J. Miraglia to J. L. Crews of June 16, 1982) the attached summary of Diablo Canyon modifications is provided for your information. This status is as of December 8, 1982. An updated status will be provided by January 14, 1983.

*J. L. Crews*  
J. L. Crews, Director  
Division of Resident, Reactor  
Projects & Engineering Programs

Attachment:  
As Stated

cc: T. W. Bishop  
D. F. Kirsch  
P. J. Morrill

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PDR FOIA  
HOLMES86-151 PDR

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DIABLO CANYON UNIT 1 MODIFICATIONS, STATUS OF:

MODIFICATIONS RESULTING FROM VERIFICATION PROGRAM

<u>ITEM NO.</u>	<u>COMPONENT MODIFIED</u>	<u>DCN NO.</u>	<u>DESCRIPTION OF MODIFICATION</u>	<u>DESIGN/CONSTR STATUS</u>	<u>RV INSPECTION STATUS</u>
<u>MECHANICAL</u>					
1.	Valve FCV-95	DCO-E-M-0876	Yoke Stiffeners, replace 3/8" plate with 1/2" plate as per design.	Constr. Completed	Closed Rpt. 82-35
2.	Containment Fan cooler 1-3	DCI-E-M-1172	Add 3/8" fillet weld & increase size of fillet welds from 5/8" to 3/4"	Constr. Completed	Closed Rpt. 82-07
3.	Instr. Tubing Supports (3)	DCI-E-M-1144	Replace unistrut angle bracing and add lateral bracing	Constr. Completed	Closed Rpt. 82-07
4.	Annulus Structural Stl.	DCI-E-C-3114	Add plates to connections and members to strengthen	Constr. in process	Inspected in part Rpt. 82-35
5.	Fuel Handling Bldg. Structural	DCO-E-C-3097 DCI-E-C-3602	Structural modifications to building steel	Constr. Started December 2, 1982	-
6.	Pipe Supports:				
	a.	DCI-E-M-1173	Replace rod hangers (Approx. 51)* with Sway Strut or Rigid frame	Constr. in process	Inspected approx. 40 Closed Rpt. 82-20
	b.	1185	Modify 2181-5	Constr. in process	-
	c.	1200	Modify hangers 2156-39 and 2156-141	Constr. in process	-
	d.	1201	Modify hangers 58N-2R and 58N-42R	Constr. in process	-

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e.		1253	Modify Hanger 57N-68R	Completed	-
f.		1306	Modify Hanger 2156-45	Forwarded to Nuclear Power Operators for Review	-
g.		DCI-E-P-3162	Modify Hanger 12-164SL	Forwarded to Construction	-
h.		3196	Modify Hanger 12-166SL	Forwarded to Construction	-
i.		3201	Modify Hanger 11-110SL	Forwarded to Construction	-
j.		3204	Modify Hanger 10-104SL	Forwarded to Construction	-
k.		3206	Modify Hanger 12-165SL	Forwarded to Construction	-
l.		3257	Modify Hanger 1048-28SL	Forwarded to Construction	-
m.		3259	Modify Hanger 1048-27SL	Forwarded to Construction	-
n.		3316	Modify Hanger 41-36R	Forwarded to Construction	-
o.		3185	Install Seismic Limiter	Forwarded to Construction	-
p.		3222	Install Seismic Limiter	Forwarded to Construction	-

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	q.		Total of 190 additional pipe restraints, supports or limiters covered by individual DCNs. 51 are for deletions, 89 are additions, and 50 are modifications	Construction started for some. In process of issuing to Construction for all others	-
	r.	Generic order based on Spec's	Modify approx. 454 additional pipe hangers or supports	In process of issuing to Construction for all others	Inspected approx. 85 thru Oct. 82
7.	Fire Water Hose Reel Stations:				
	a.	DCO-E-M-3049	Install press. reducing orifices at Hose Reel Stations	Design	-
	b.	DCI-E-M-3126	Add one Spray Head-Aux. FWPs area	Forwarded to Construction	-
8.	Reroute piping:				
	a.	DCI-E-P-3232	Reroute RCP-3 motor upper bear'g. cooler, CCW supply	Completed	Closed Report 82-39
	b.	3233	Reroute RCP-2 motor upper bear'g. cooler, CCW return	Completed	Closed Report 82-39
	c.	3242	Reroute RCP-1 motor upper bear'g. cooler, CCW return	Completed	Closed Report 82-39
	d.	3246	Reroute RCP-4 motor upper bear'g. cooler, CCW return	Completed	Closed Report 82-39

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	e.	3249	Reroute RCP-3 motor upper bear'g cooler, CCW return	Completed	Closed Report 82-39
	f.	3247	-Reroute cold leg SI line loop and drain	Engr'g. review	-
			-Reroute RHR therm. relief line drain	Engr'g. review	-
	g.	DCI-E-P-3248, 3250, 3251	Reroute lines 137, 135, 134	Being Reviewed by Nuclear Plant Operations	-
9.	Accumulator L. transmitter Supports	-	Four large bore and three small bore	Constr. Completed	Closed Report 82-13
	<u>ELECTRICAL</u>				
10.	Annunciator Cabinets	DCI-E-E-3023	Structural modifications, install additional bracing	Constr. to start 11/82	-
11.	Raceway Supports Type 102	DCI-E-E-1278	Modify by the addition of one S-6 brace to 16 supports	Constr. Completed	Closed Rpt. 82-26
12.	Raceway Supports Types S-226, S-315, S-318 and S-325	DCI-E-E-1279	Modify by the addition of two S-6 braces to 22 supports	Constr. Completed	Closed Rpt. 82-22
13.	Conduit Change	DCI-E-E-0695	Change conduit to K3886 from 3/4" RI to 1" RI size	Completed Nov. 82	Closed Rpt. 82-39
14.	Raceway Support Type	DCI-E-E-1301	Modify by the addition of S-6 brace	Completed Aug. 82	Closed Rpt. 82-39
15.	Raceway Supports Type S-221	DCO-G-E-2593	Modify by torquing beam clamps and tack weld'g, approx. 120 supports	Constr. Completed	Closed Rpt. 82-13
16.	Raceway Supports Type S-241	DCO-G-E-2572	Modify by addition of a S-6 angle brace or S-251 horizontal brace, 13 Supports	Constr. Completed	Closed Rpt. 82-13

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17.	125V d.c. Switchgear	DCI-E-E-1345	Replace original circuit breakers with new breakers having larger frame rating, eight breakers	Constr. to Start 11/82	-
18.	Circuit BKVS	DCI-G-E-3106	Replace Circuit Breakers with Gould type HF6	Forwarded to Construction	-
19.	Lighting	DCI-E-E-3134	Replace Transformer	Forwarded to Construction	-
20.	Circuit Breakers	DCI-E-E-3171	Install Circuit Breakers	Being Reviewed by Power Plant Engineer	-
21.	Raceway Supports	DCI-E-C-3604	Additional electrical raceway supports	Forwarded to Construction	-

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- Indicates these items have not as yet been inspected.



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