

INDEPENDENT DESIGN REVIEW
OF LIMERICK GENERATING STATION #1
CORE SPRAY SYSTEM

Bi-Monthly Status Report #8
Period Ending September 15, 1984

Introduction

This is the eighth bi-monthly status report. This report documents information concerning the independent design review of Limerick's Core Spray System. The work performed covers the period September 1, 1984 to September 15, 1984.

Summary

TASK A DESIGN PROCEDURE REVIEW

Complete.

TASK B DESIGN PROCEDURE IMPLEMENTATION REVIEW

Subtasks B1 through B3 are complete.

B4 Work was completed on the review of documents for the expanded Task C workscope. A visit was made to Bechtel to complete this review. All work on this subtask is now complete.

B5 Task B summary report was issued as memo 2524-QA-21 dated September 14, 1984.

TASK C TECHNICAL REVIEW

Subtasks C1 and C2 are complete.

C3 No change occurred in the feature selection during this bi-monthly period. Since the technical review is completed (see subtask C4), no additional features will be considered for review. This subtask C3 is therefore complete.

C4 The review of the local containment wall regions was completed. This completes subtask C4. Processing of PFRs is being performed under Task E.

C5 Independent calculations are being prepared to assess the impact of several PFRs. However it is not expected that computer analyses will be required. Therefore, the work required is being performed under Task E, and this subtask is considered complete.

C6 The Task Summary Report is in preparation, and will contain most of the detail required for the final report. Because of the required detail, and that processing of PFRs has a more significant effect on the final report date, the Task Summary Report is being delayed until 9/28.

TASK D PHYSICAL VERIFICATION

All work on Task D is complete.

TASK E POTENTIAL FINDINGS

Tasks E1 through E3 are complete.

During this reporting period one potential finding report was initiated. This PFR was issued in Task C during the review of the expanded civil/structure workscope. The PFR related to analytical methodology.

The Findings Review Committee convened during this period and classified five PFRs.

Of the 36 PFRs issued, 17 have been classified and 19 are in process.

TASK F ADMINISTRATIVE AND REPORTING

The four major IDVP tasks, A, B, C, & D, are complete except for the summary for Task C. The summary of projected vs. actual manpower graph was replaced with the manpower status/projection table. This table indicates the original manhours proposed, manhours utilized with supporting remarks, and the projected manhours to complete. This table reports the project status as of September 7, 1984. With the major IDVP review tasks being essentially 100% complete, the resolution of unclassified PFRs and the final report are all that remain to conclude the program. The October 12 final report issue date is still feasible, but is dependent upon classifying all PFRs by September 21, 1984.

September 17, 1984

TABLE I
CORE SPRAY SYSTEM
INDEPENDENT DESIGN REVIEW
TASK/MILESTONE STATUS

Milestone	Subject	Orig	Schedule		Document
			Revised	Actual	
A1	Procedure Checklist	5/30		5/24	2524-PD-1 & 7
A2	Procedure Structure	6/15		7/08	2524-QA-01,05,07,13
A3	Access Design Procedures	6/15		7/06	NA
A4	Bechtel Review	7/05		7/03	TPT:012:FDC:84
A5	PECo/GE Review	7/05		7/05	2524-QA-01, 05, 07
A6	Time-period Procedures	7/10		7/10	2524-QA-12, 14, 15
A7	Task Summary	7/24		7/27	2524-QA-11
B1	Procedure/Checklist	5/30		5/24	2524-PD-2
B2	Document Selection	6/15	7/27	7/27	
B3	Document Location	7/01	7/27	7/27	
B4	Document Review	7/27	9/7	9/13	
B5	Task Summary	8/10	9/14	9/14	2524-QA-21
C1	Procedure/Criteria	5/30		5/30	2524-PD-3
C2	Design Chain	6/08	7/31	7/31	
C3	Feature Selection	Cont		7/14	2524:ENG:02:AS:84
C4	Design Review	8/10	9/7	7/14	
C5	Independent Analysis	7/27	8/24	7/14	
C6	Task Summary	8/17	9/28		
D1	Walkdown Procedure	5/30		5/31	2524-PD-4
D2	Item Selection	6/04		5/29	2524:ENG:03:AS:84
D3	Complete Walkdown	6/27		6/15	
D4	Task Summary	8/10		6/22	2524:ENG:07:CFD:84
E1	Establish Committee	5/30		5/18	Proj.Directive #3
E2	Define Criteria	5/30		5/25	2524-PD-5
E3	Procedure	5/30		5/30	2524-PD-5
E4	Processing PFRs	cont	9/21		
F1	Management/cost	cont			Proj.Directive #1
F2	Protocol Procedure	6/01		6/01	2524-PD-6
F3	Status Report #1	6/01		5/31	TPT:005:FDC:84
	Status Report #2	6/15		6/15	TPT:012:FDC:84
	Status Report #3	7/01		7/02	TPT:018:FDC:84
	Status Report #4	7/15		7/16	TPT:023:FDC:84
	Status Report #5	8/01		8/01	TPT:029:FDC:84
	Status Report #6	8/15		8/15	TPT:034:FDC:84
	Status Report #7	9/04		9/04	TPT:045:FDC:84
	Status Report #8	9/17		9/17	TPT:053:FDC:84
	Status Report #9	10/1			
F4	Information Compilation	8/15	9/21		
F5	Final Report Draft	8/24	10/5		
F6	Final Report-Issue	8/31	10/12		

LIMERICK IDVP PROGRAM
 MANPOWER STATUS/PROJECTION
 SEPTEMBER 7, 1984

<u>Task</u>	<u>Manhours Proposed</u>	<u>Manhours Utilized</u>	<u>Remarks</u>	<u>Manhours to Complete</u>
A	800	604	Reduced manhours with use of available check-lists.	0
B	800	1446	Review of design process audits by PECO, BPC, GE 459 design documents reviewed - above normal Civil/structure design documents review	30
				M/hrs
				+350
				+250
				+ 60
C	1500	2040	Independent analysis for impact assessment PFR 014 Civil structure review	60
				+ 80
				+160
D	400	277	Efficient walkdown team	0
E	500	658	20 PFRs estimated 16 additional PRFs identified	640
F	650	567	Program management - extended program	200
		(702)	Dedicated clerk for Project correspondence/ files/PFR	(180)
TOTAL	4650	6204		1110

cc: Judge Lawrence Brenner (w/enclosure)
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