



**PSE&G** Public Service  
Electric and Gas  
Company

80 Park Plaza, Newark, NJ 07101 / 201 430-8217 MAILING ADDRESS / P.O. Box 570, Newark, NJ 07101

Robert L. Mittl General Manager  
Nuclear Assurance and Regulation

June 8, 1984

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
7920 Norfolk Avenue  
Bethesda, MD 20814

Attention: Mr. Albert Schwencer, Chief  
Licensing Branch 2  
Division of Licensing

Gentlemen:

HOPE CREEK GENERATING STATION  
DOCKET NO. 50-354  
DRAFT SAFETY EVALUATION REPORT  
OPEN ITEM STATUS

Attachment 1 is a current list, as of June 4, 1984, which provides a status of the open items identified in Section 1.7 of the Draft Safety Evaluation Report (SER). Items identified as "complete" are those for which PSE&G has provided responses and no confirmation of status has been received from the staff. We will consider these items closed unless notified otherwise. In order to permit timely resolution of items identified as "complete" which may not be resolved to the staff's satisfaction, please provide a specific description of the issue which remains to be resolved.

Attachment 2 is a current list, as of June 4, 1984, which identifies Draft SER Sections not yet provided.

Should you have any questions, please contact us.

Very truly yours,

8406150219 840608  
PDR ADDCK 05000354 PDR  
E

*✓ 3001  
1/1*

Attachments

The Energy People

Director of Nuclear  
Reactor Regulation

2

6/8/84

C D. H. Wagner  
USNRC Licensing Project Manager

W. H. Bateman  
USNRC Senior Resident Inspector

FM05 1/2

ATTACHMENT 1

OPEN ITEM	SECTION NUMBER	SUBJECT	STATUS	LETTER DATED
5a&d	2.4.5	Wave impact and runup on service water intake structure	Complete	6/1/84
7b	2.4.11.2	Thermal aspects of ultimate heat sink	Complete	6/1/84
9	2.5.4	Soil damping values	Complete	6/1/84
10	2.5.4	Foundation level response spectra	Complete	6/1/84
11	2.5.4	Soil shear moduli variation	Complete	6/1/84
12	2.5.4	Combination of soil layer properties	Complete	6/1/84
13	2.5.4	Lab test shear moduli values	Complete	6/1/84
14	2.5.4	Liquefaction analysis of river bottom sands	Complete	6/1/84
15	2.5.4	Tabulations of shear moduli	Complete	6/1/84
16	2.5.4	Drying and wetting effect on Vincentown	Complete	6/1/84
17	2.5.4	Power block settlement monitoring	Complete	6/1/84
18	2.5.4	Maximum earth at rest pressure coefficient	Complete	6/1/84
19	2.5.4	Liquefaction analysis for service water piping	Complete	6/1/84
20	2.5.4	Explanation of observed power block settlement	Complete	6/1/84
21	2.5.4	Service water pipe settlement records	Complete	6/1/84
22	2.5.4	Cofferdam stability	Complete	6/1/84
23	2.5.4	Clarification of FSAR Tables 2.5.13 and 2.5.14	Complete	6/1/84
24	2.5.4	Soil depth models for intake structure	Complete	6/1/84
27	2.5.5	Slope stability	Complete	6/1/84

ATTACHMENT 1 (Cont'd)

OPEN ITEM	SECTION NUMBER	SUBJECT	STATUS	LETTER DATED
30	3.5.1.2	Internally generated missiles (inside containment)	Complete	6/1/84
41	3.8.2	Steel containment buckling analysis	Complete	6/1/84
42	3.8.2	Steel containment ultimate capacity analysis	Complete	6/1/84
43	3.8.2	SRV/LOCA pool dynamic loads	Complete	6/1/84
44	3.8.3	ACI 349 deviations for internal structures	Complete	6/1/84
45	3.8.4	ACI 349 deviations for Category I structures	Complete	6/1/84
46	3.8.5	ACI 349 deviations for foundations	Complete	6/1/84
47	3.8.6	Base mat response spectra	Complete	6/1/84
48	3.8.6	Rocking time histories	Complete	6/1/84
49	3.8.6	Gross concrete section	Complete	6/1/84
50	3.8.6	Vertical floor flexibility response spectra	Complete	6/1/84
53	3.8.6	Design of seismic Category I tanks	Complete	6/1/84
54	3.8.6	Combination of vertical responses	Complete	6/1/84
55	3.8.6	Torsional stiffness calculation	Complete	6/1/84
56	3.8.6	Drywell stick model development	Complete	6/1/84
57	3.8.6	Rotational time history inputs	Complete	6/1/84
58	3.8.6	"O" reference point for auxiliary building model	Complete	6/1/84
59	3.8.6	Overturning moment of reactor building foundation mat	Complete	6/1/84
60	3.8.6	BSAP element size limitations	Complete	6/1/84
61	3.8.6	Seismic modeling of drywell shield wall	Complete	6/1/84



ATTACHMENT 1 (Cont'd)

OPEN ITEM	SECTION NUMBER	SUBJECT	STATUS	LETTER DATED
62	3.8.6	Drywell shield wall boundary conditions	Complete	6/1/84
63	3.8.6	Reactor building dome boundary conditions	Complete	6/1/84
64	3.8.6	SSI analysis 12 Hz cutoff frequency	Complete	6/1/84
65	3.8.6	Intake structure crane heavy load drop	Complete	6/1/84
67	3.8.6	Critical loads calculation for reactor building dome	Complete	6/1/84
68	3.8.6	Reactor building foundation mat contact pressures	Complete	6/1/84
69	3.8.6	Factors of safety against sliding and overturning of drywell shield wall	Complete	6/1/84
70	3.8.6	Seismic shear force distribution in cylinder wall	Complete	6/1/84
71	3.8.6	Overturning of cylinder wall	Complete	6/1/84
72	3.8.6	Deep beam design of fuel pool walls	Complete	6/1/84
73	3.8.6	ASHSD dome model load inputs	Complete	6/1/84
74	3.8.6	Tornado depressurization	Complete	6/1/84
75	3.8.6	Auxiliary building abnormal pressure	Complete	6/1/84
76	3.8.6	Tangential shear stresses in drywell shield wall and the cylinder wall	Complete	6/1/84
77	3.8.6	Factor of safety against overturning of intake structure	Complete	6/1/84
78	3.8.6	Dead load calculations	Complete	6/1/84
79	3.8.6	Post-modification seismic loads for the torus	Complete	6/1/84
80	3.8.6	Torus fluid-structure interactions	Complete	6/1/84
81	3.8.6	Seismic displacement of torus	Complete	6/1/84

ATTACHMENT 1 (Cont'd)

OPEN ITEM	SECTION NUMBER	SUBJECT	STATUS	LETTER DATED
82	3.8.6	Review of seismic Category I tank design	Complete	6/1/84
83	3.8.6	Factors of safety for drywell buckling evaluation	Complete	6/1/84
84	3.8.6	Ultimate capacity of containment (materials)	Complete	6/1/84
85	3.8.6	Load combination consistency	Complete	6/1/84
110b	4.6	Functional design of reactivity control systems	Complete	6/1/84
124	6.2.1.5.1	RPV shield annulus analysis	Complete	6/1/84
129	6.2.2	Insulation ingestion	Complete	6/1/84
152	9.4.4	Radioactivity monitoring elements	Complete	6/1/84
154	9.5.1.4.a	Metal roof deck construction classification	Complete	6/1/84
159	9.5.1.5.a	Primary and secondary power supplies for fire detection system	Complete	6/1/84
161	9.5.1.5.b	Fire water valve supervision	Complete	6/1/84
162	9.5.1.5.c	Deluge valves	Complete	6/1/84
163	9.5.1.5.c	Manual hose station pipe sizing	Complete	6/1/84
164	9.5.1.6.e	Remote shutdown panel ventilation	Complete	6/1/84
165	9.5.1.6.g	Emergency diesel generator day tank protection	Complete	6/1/84
182	15.9.10	TMI-2 Item II.K.3.18	Complete	6/1/84
185	7.2.2.2	Trip system sensors and cabling in turbine building	Complete	6/1/84
190	7.2.2.7	Regulatory Guide 1.75	Complete	6/1/84
193	7.2.2.9	Reactor mode switch	Complete	6/1/84
194	7.3.2.2	Standard review plan deviations	Complete	6/1/84

ATTACHMENT 1 (Cont'd)

<u>OPEN ITEM</u>	<u>SECTION NUMBER</u>	<u>SUBJECT</u>	<u>STATUS</u>	<u>LETTER DATED</u>
197	7.3.2.5	Microprocessor, multiplexer and computer systems	Complete	6/1/84
200	7.4.2.2	Remote shutdown system	Complete	6/1/84
205	7.5.2.4	Plant process computer system	Complete	6/1/84
209	7.7.2.3	Credit for non-safety related systems in Chapter 15 of the FSAR	Complete	6/1/84
210	7.7.2.4	Transient analysis recording system	Complete	6/1/84
218	9.5.1.1	Fire hazards analysis	Complete	6/1/84
TS-3	4.4.5	Core flow monitoring for crud effects	Complete	6/1/84
LC-1	4.2	Fuel rod internal pressure criteria	Complete	6/1/84

ATTACHMENT 2

DRAFT SER SECTIONS AND DATES PROVIDED

<u>SECTION</u>	<u>DATE</u>	<u>SECTION</u>	<u>DATE</u>
3.1		11.4.1	
3.2.1		11.4.2	
3.2.2		11.5.1	
5.1		11.5.2	
5.2.1		13.1.1	
6.5.1		13.1.2	
8.1		13.2.1	
8.2.1		13.2.2	
8.2.2		13.2.2	
8.2.3		13.3.1	
8.2.4		13.3.2	
8.3.1		13.3.3	
8.3.2		13.3.4	
8.4.1		13.4	
8.4.2		13.5.1	
8.4.3		15.2.3	
8.4.5		15.2.4	
8.4.6		15.2.5	
8.4.7		15.2.6	
8.4.8		15.2.7	
9.5.2		15.2.8	
9.5.3		15.7.3	
9.5.7		17.1	
9.5.8		17.2	
10.1		17.3	
10.2		17.4	
10.2.3			
10.3.2			
10.4.1			
10.4.2			
10.4.3			
10.4.4			
11.1.1			
11.1.2			
11.2.1			
11.2.2			
11.3.1			
11.3.2			

CT:db