

CENTRAL FILES

A0/2

POWER AUTHORITY OF THE STATE OF NEW YORK

10 COLUMBUS CIRCLE NEW YORK, N. Y. 10019

(212) 397-6200

TRUSTEES  
JOHN S. DYSON  
CHAIRMAN  
GEORGE L. INGALLS  
VICE CHAIRMAN  
RICHARD M. FLYNN  
ROBERT I. MILLONZI  
FREDERICK R. CLARK



February 25, 1980  
IPN-80-20

GEORGE T. BERRY  
PRESIDENT & CHIEF  
OPERATING OFFICER  
JOHN W. BOSTON  
EXECUTIVE VICE  
PRESIDENT & DIRECTOR  
OF POWER OPERATIONS  
JOSEPH R. SCHMIEDER  
EXECUTIVE VICE  
PRESIDENT & CHIEF  
ENGINEER  
LEROY W. SINCLAIR  
SENIOR VICE PRESIDENT  
& CHIEF FINANCIAL  
OFFICER  
THOMAS R. FREY  
SENIOR VICE PRESIDENT  
& GENERAL COUNSEL

Mr. Boyce H. Grier, Director  
Office of Inspection and Enforcement  
Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Subject: Indian Point 3 Nuclear Power Plant  
Docket No. 50-286  
I.E. Bulletin 79-14

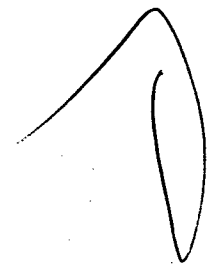
Dear Sir:

This letter transmits a complete listing of the static span table analyzed lines, both inside and outside containment, that are to be field verified for the as-built configuration in accordance with the subject bulletin.

This information is provided in the attachment as promised in our December 11, 1979 letter on the same subject.

The Authority has also investigated the implications of I.E. Information Notice 79-31 on the IP-3 facility. This notice concerns the use of incorrect amplified response spectra (ARS) by United Engineers and Constructors for the design of some containment supports at the Seabrook Units. The Authority has been informed by UE&C that:

- 1) an investigation of a representative sample of buildings, components and systems indicated that appropriate seismic input was used in the various designs; and



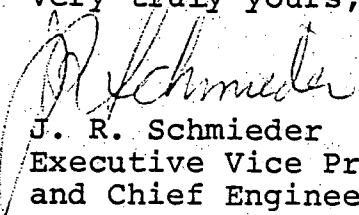
8004090 354

Mr. Boyce H. Grier  
U. S. Nuclear Regulatory  
Commission

-2-

- 2) the correct ARS was verified against the as-built condition of the piping systems covered under Bulletin 79-14.

Very truly yours,

  
J. R. Schmieder  
Executive Vice President  
and Chief Engineer

Att.

cc: Office of Inspection and Enforcement  
Division of Reactor Construction Inspection  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Office of Nuclear Reactor Regulation  
Division of Operating Reactors  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. T. Rebelowski, Resident Inspector  
U. S. Nuclear Regulatory Commission  
P. O. Box 38  
Buchanan, N. Y. 10511

## ATTACHMENT

STATIC SPAN TABLE ANALYZED LINES

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
1	Main Steam	28"	x		F-20173
2	"	"	x		"
3	"	"	x		"
4	"	"	x		"
5	Feedwater	18	x		20193
6	"	"	x		"
7	"	"	x		"
8	"	"	x		"
9	Aux. Cool.	12	x		27203 27513
10	Res. Heat Rem.	14	x		27513 27203
11D	Service Water	10	x		27223
11E	"	10	x		"
12A	"	10		x	"
12B	"	"		x	"
12C	"	"		x	"
12D	"	"		x	"
12E	"	"		x	"
13A	Aux. Cool.	4, 3, 1½, 1	x		27203
13B	"	3, 1½, 1	x		"
13C	"	"	x		"
14	"	6, 4, 3, 1		x	27513 27203
17	CVCS	4, 3, 2 2, 3/4	x		27343 27363
17B	"	2, 3/4 3, 2, 3/4	x		27343 27363

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
18	Aux. Cool.	4",3"	x	x	27203 27513
19	CVCS	3	x	x	27363
20	Condensate	3	x		40573
21	Aux. Cool.	3,1½	x		27203 27513
21A	"	3,1½	x		27434 27203
22	"	4,3	x	x	27203 27513
27	CVCS	3,2	x		27363
28	Main Steam	4		x	20253
33	Reactor Cool.	3 3	x		27473 27243
34	Inst. Air	3,2		x	20353
38	CVCS Reactor Cool.	3 4	x		27473 27363
38A	"	3	x		27473 27363
40	CVCS Waste Disp.	4,3 3,2		x	27373 27193
41	CVCS	4,2,1 2,1½		x	27343 27363
45	Blowdown	3,2,1	x		27293
46	"	"	x		"
47	"	"	x		"
48	"	"	x	x	"
52A	Aux. Cool.	16,14,12	x		27203 27513
53	"	"		x	27203 27513
53A	"	"	x		27203 27513

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
56	Safety Inj. Reactor Cool.	6,4,2½ 2	x		27353 27503
57	Res. Heat Rem.	14 18	x		27513 27503
60	Res. Heat Rem.	8,6 8,6		x	27353 27503
61	Safety Inj.	3,3/4	x		27473 27383
62	Safety Inj.	3,3/4	x		27473 27383
71	Reactor Cool. Waste Disp.	6,2,1,3/4 2	x		27193 27383
72	Reactor Cool. Waste Disp.	6,2,1,3/4 2	x		27193 27383
73	Reactor Cool. Waste Disp.	6,2,1,3/4 2	x		27193 27383
74	Reactor Cool. Waste Disp.	6,2,1,3/4 2	x		27193 27383
79	Reactor Cool. CVCS	3 3	x		27363 27383
85	Reactor Cool. Waste Disp.	3,2 3	x		27473 27193
91	Safety Inj.	12,10,8,3/4	x		27353
95	Condensate	3	x		40573
99	CVCS	3,2		x	27363
103	Primary Water Aux. Cool.	3,2,½ 2		x	27243 27513
111	Aux. Cool. Waste Disp.	3 4		x	27513 27283
116	CVCS	3,2		x	27363 27373
118	Primary Water	3,2,1		x	27243
120	CVCS	3,2		x	27363
128	CVCS	3		x	27373
142	Aux. Cool.	4		x	27513

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
147	Aux. Cool.	3		x	27513
153	CVCS	3		x	27373
157	Waste Disp.	3		x	27193
	Aux. Cool.	3			27513
163	Primary Water	3		x	27243 20213
165	Aux. Cool.	3,2,1		x	27513
166	"	3,2,1		x	27513
169	CVCS	3,2		x	27363
177	Waste Disp.	2		x	27193
	CVCS	3,2			27373
178	Waste Disp.	2		x	27193
	CVCS	3,2			27373
179	Waste Disp.	2		x	27193
	CVCS	3,2			27373
180	Aux. Cool.	4		x	27513
184	Primary Water	4,3		x	27243
187	Safety Inj.	3		x	27503
188	"	3		x	27503
197	Waste Disp.	3		x	27193 27503
200	CVCS	4		x	27363
203	"	4		x	"
206	"	4		x	"
207	"	4		x	"
212	"	3		x	"
214	"	3		x	"
215	"	3		x	"
217	"	3		x	"
237	"	3		x	"

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
238	CVCS	3		x	27363
247	Aux. Cool.	3		x	27283
	Waste Disp.	4			27513
252	Safety Inj.	12		x	27503
	Waste Disp.	6			27283
264	CVCS	3		x	27193 27363
265	"	3		x	27363
266	"	3		x	"
267	"	3		x	"
268	"	3		x	27193 27363
269	"	3		x	27193 27363
271	"	3		x	27373
272	"	3		x	"
273	"	3		x	"
274	"	3		x	"
279	"	3		x	"
280	"	3		x	"
288	CVCS	3,2		x	27193
	Waste Disp.	2			27373
289	CVCS	3,2		x	27193
	Waste Disp.	2		x	27373
298	CVCS	4		x	27363
299	"	3		x	27363
300	"	4		x	27373
301	"	4		x	27373
306	Waste Disp.	4		x	27283
	CVCS	3			27373
307	Waste Disp.	4		x	27373
	CVCS	3			27283

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
308	CVCS	3		x	27373
	Waste Disp.	4			27283
319	Aux. Cool.	4		x	27513
320	"	4		x	27513
331	Safety Inj.	3,1		x	27503
334	"	6,2		x	27503
354	Primary Water	3		x	27243
385	CVCS	3		x	27193 27363
390	Blow Down	6		x	27223 27293
395	Waste Disp.	3		x	27373 27283
396	"	3		x	27373 27283
400	CVCS	3		x	27363
401	"	3		x	"
402	"	4,3,2		x	"
403	Aux. Cool.	3,2,1		x	27513
404	"	3,2,1		x	27513
418	Waste Disp.	3		x	27193
428	CVCS	3		x	27373
453	Aux. Cool.	4,3		x	27513
463	Service Water	2½,2,1		x	27223
466	CVCS	3		x	27363
468	Service Water	2½,2,1		x	27223
469	"	2½,2,1		x	"
470	"	3,2½,2,1		x	"
471	"	3,2½,2,1		x	"
478	CVCS	4,3		x	27363



<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
480	CVCS	3		x	27363 27373
494	Service Water	4		x	27223
502	CVCS	3		x	27373
503	CVCS	3,2		x	27193 27373
509	Service Water	18		x	27223
530	Aux. Cool.	10,5		x	27213
552	Aux. Cool.	2	x		27203
	Reactor Cool.	3			27473
562	Primary Water	3		x	27243
	Waste Disp.	3			27283
566	Waste Disp.	6,4,3	x		"
567	"	"	x		"
568	"	"	x		"
569	"	"	x		"
570	"	"	x		"
579	Safety Inj.	3		x	27503
582	Waste Disp.	4	x		27283
583	"	4	x		"
584	"	4	x		"
585	"	4	x		"
586	"	4	x		"
654	Aux. Cool.	8		x	27513
697	Blowdown	3		x	27293
699	Aux. Cool.	12,10,5		x	27213
700	"	10,5		x	"
701	"	6,5		x	"
703	"	5,4,3		x	"

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
704	Aux. Cool.	5,4		x	27213
705	"	4,3		x	"
712	Service Water	24		x	27223
759	Waste Disp.	4	x		27283
760	"	4	x		"
761	"	4	x		"
762	"	4	x		"
763	"	4	x		"
764	"	4	x		"
765	"	4	x		"
766	"	4	x		"
767	"	4	x		"
768	"	4	x		"
774	Primary Water	3		x	27243
775	React. Cool.	3,2	x		27383
777	React. Cool.	3,2	x		27383
788	"	"	x		"
790	"	"	x		"
825	Safety Inj.	6	x		27353
864	Leak Rate Test	6		x	27783
865	"	6		x	27783
885	Aux. Cool.	4,1½		x	27213
886	"	"		x	"
887	"	"		x	"
888	"	"		x	"
889	"	3,1½		x	"
890	"	"		x	"
891	"	"		x	"

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
892	Aux. Cool.	3,1½		x	27213
1001	Aux. Feedwater	4,3		x	20193
1002	"	"		x	"
1003	"	"		x	"
1004	"	"		x	"
1005	"	6,4,3		x	"
1006	"	4,3		x	"
1007	"	4,3		x	"
1008	"	4,3		x	"
1011	"	3,2		x	"
1012	"	3,2		x	"
1015	Main Feedwater	3,2		x	"
1018	Main Steam	6		x	20173
1019	"	8		x	"
1020	"	6		x	"
1021	"	8		x	"
1022	"	6		x	"
1023	"	8		x	"
1024	"	6		x	"
1025	"	8		x	"
1026	"	4		x	"
1027	"	4		x	"
1028	Main Feedwater	8		x	20183
1032	"	3,2		x	20183 20283
1062	Diesel Fuel Oil	3		x	20303
1065	"	3		x	"
1066	"	3		x	"

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
1067	Diesel Fuel Oil	3		x	20303
1068	"	3		x	"
1070	Aux. Feedwater	3		x	20183
1076	"	8		x	"
1080	"	8,6		x	"
1093	Service Water	10,6,4		x	27223
1094	"	6,4		x	"
1095	"	6,4		x	"
1096	"	10,6,4		x	"
1097	"	6,4		x	"
1098	"	6,4		x	"
1099	"	10,6,4		x	"
1100	"	6,4		x	"
1101	"	6,4		x	"
1117	Fuel Oil Stor. Vent.	4		x	20303
1118	"	4		x	"
1119	"	4		x	"
1146	Inst. Air	3,1½		x	20363
1150	"	3,2,1½		x	"
1154	"	"		x	"
1155	"	"		x	"
1158	"	"		x	"
1196	Service Water	3,2½		x	27223
1197	"	3,2½		x	"
1198	"	2½		x	"
1199	"	2½		x	"
1200	"	3,2½		x	"

<u>Line No.</u>	<u>System</u>	<u>Line Size</u>	<u>Inside VC</u>	<u>Outside VC</u>	<u>Flow Sheet</u>
1201	Service Water	3, 2½		x	27223
1202	"	2½		x	"
1214	DG Exhaust	3		x	22603
1215	"	3		x	"
1216	"	3		x	"
1217	DG Fuel Oil	3		x	20303
1218	"	3		x	"
1219	Service Water	16		x	27223
1220	"	16		x	"
1221	"	10		x	"
1222	"	10		x	"
1223	"	3		x	"
1224	"	3		x	"
LA	Safety Inj.	6	x		N/A