

**From:** "Gadzala, Jack" <Jack.Gadzala@nmcco.com>  
**To:** *MM* Harold K Chernoff (E-mail)" <hkc@nrc.gov>, "Louden, Pat (E-mail)" <PLL@nrc.gov>, "Michael R Morris (E-mail)" <rmm3@nrc.gov>, <msh@nrc.gov>  
**Date:** Tue, May 11, 2004 9:47 AM  
**Subject:** Point Beach RVCH Exam Coverage

Revised Table indicating extent of coverage for PBNP U1 RV head penetration inspection.

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## Point Beach Unit 1 (U1R28)

RVH	nt of UT	Coverage	Coverage In RVHP Nozzle Material						
Pen #	Nozzle Degree	Ring	Min. Distance Above Up-Hill Weld Root	Coverage Above Weld Root (Theta)	Weld Region Coverage (Theta)	Below Weld Coverage (Theta)	Minimum ID Distance Below Weld Achieved on Down-Hill Side	Minimum OD Distance Below Weld Achieved on Down-Hill Side	If OD Distance is LESS than 1.0", what is circ Extent LESS than 1.0" (List start - end)
1	0	0	3.11	360	360	360	1.514		
2	19.4	3	3.80	360	360	360	1.504		
3	19.4	3	3.48	360	360	360	1.594		
4	19.4	3	3.68	360	360	360	1.404		
5	19.4	3	3.59	360	360	360	1.594		
6	13.6	2	7.45	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
7	13.6	2	7.40	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
8	13.6	2	7.30	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
9	13.6	2	7.30	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
10	28.1	5	3.51	360	360	360	1.654		
11	28.1	5	3.20	360	360	360	1.394		
12	28.1	5	3.60	360	360	360	1.074		110
13	28.1	5	3.60	360	360	360	1.124		17
14	31.8	7	3.8	360	360	360	1.494		
15	31.8	7	3.39	360	360	360	1.394		
16	31.8	7	3.80	360	360	360	0.974		110
17	31.8	7	3.09	360	360	360	1.554		
18	29.9	6	3.40	360	360	360	1.394		
19	29.9	6	3.49	360	360	360	1.394		
20	29.9	6	3.57	360	360	360	0.834		104
21	29.9	6	2.30	360	360	360	1.504		
22	31.8	7	3.48	360	360	360	1.404		
23	31.8	7	3.19	360	360	360	1.594		
24	31.8	7	3.43	360	360	360	1.074		64
25	31.8	7	3.28	360	360	360	1.394		
26	36.9	8	2.02	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
27	36.9	8	2.90	360	360	360	1.344		50
28	36.9	8	3.01	360	360	360	0.924		95

29	36.9	8	3.85	360	360	360	1.164		99
30	36.9	8	3.24	360	360	360	1.174		100
31	36.9	8	2.89	360	360	360	1.134		70
32	36.9	8	3.81	360	360	99	<i>Percentages can't be determined due to lack of data on Down Hill Side</i>		
33	36.9	8	2.57	300	300	57	<i>Percentages can't be determined due to lack of data on Down Hill Side</i>		
34	43.3	9	4.10	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
35	43.3	9	4.16	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
36	43.3	9	4.60	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
37	43.3	9	3.95	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
38	9.6	1	3.38	360	360	360	1.694		
39	9.6	1	3.24	360	360	360	2.064		
40	9.6	1	3.40	360	360	360	1.494		
41	9.6	1	3.15	360	360	360	1.694		
42	21.8	4	6.54	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
43	21.8	4	6.61	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
44	21.8	4	6.69	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
45	21.8	4	6.83	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
46	21.8	4	7.10	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
47	21.8	4	6.80	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
48	21.8	4	6.60	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
49	21.8	4	6.56	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		

Procedure 54-ISI-100-11 Step 9.3.3 Limitation: 0.394

**VT Coverage**

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VT Comments



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# Point Beach Unit 1 (U1R28)

RVH	ht of UT	Coverage	in RVHP Nozzle Material						
Pen #	Nozzle Degree	Ring	Min. Distance Above Up-Hill Weld Root	Coverage Above Weld Root (Theta)	Weld Region Coverage (Theta)	Below Weld Coverage (Theta)	Minimum ID Distance Below Weld Achieved on Down-Hill Side	Minimum OD Distance Below Weld Achieved on Down-Hill Side	If OD Distance is LESS than 1.0", what is circ Extent LESS than 1.0" (List start - end)
1	0	0	3.11	360	360	360	1.514		
38	9.6	1	3.38	360	360	360	1.694		
39	9.6	1	3.24	360	360	360	2.064		
40	9.6	1	3.40	360	360	360	1.494		
41	9.6	1	3.15	360	360	360	1.694		
6	13.6	2	7.45	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
7	13.6	2	7.40	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
8	13.6	2	7.30	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
9	13.6	2	7.30	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
2	19.4	3	3.80	360	360	360	1.504		
3	19.4	3	3.48	360	360	360	1.594		
4	19.4	3	3.68	360	360	360	1.404		
5	19.4	3	3.59	360	360	360	1.594		
42	21.8	4	6.54	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
43	21.8	4	6.61	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
44	21.8	4	6.69	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
45	21.8	4	6.83	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
46	21.8	4	7.10	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
47	21.8	4	6.80	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
48	21.8	4	6.60	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
49	21.8	4	6.56	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
10	28.1	5	3.51	360	360	360	1.654		
11	28.1	5	3.20	360	360	360	1.394		
12	28.1	5	3.60	360	360	360	1.074		110
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16	31.8	7	3.80	360	360	360	0.974		110
17	31.8	7	3.09	360	360	360	1.554		
22	31.8	7	3.48	360	360	360	1.404		
23	31.8	7	3.19	360	360	360	1.594		
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29	36.9	8	3.85	360	360	360	1.164		99
30	36.9	8	3.24	360	360	360	1.174		100
31	36.9	8	2.89	360	360	360	1.134		70
32	36.9	8	3.81	360	360	99	<i>Percentages can't be determined due to lack of data on Down Hill Side</i>		
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35	43.3	9	4.16	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
36	43.3	9	4.60	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		
37	43.3	9	3.95	360	360	360	<i>Data Collected using Rotating Probe -- Full Coverage Obtained</i>		

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