

UNITED STATES
NUCLEAR WASTE TECHNICAL REVIEW BOARD

FALL BOARD MEETING

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Atrium Suites Hotel
4255 Paradise Road
Las Vegas, Nevada 89109

1 and the wet handling facility and the receipt facility.

2 We then set out a plan, both schedule and products,
3 to produce approximately 1,300 products between the three
4 engineering projects and the preclosure safety analysis that
5 would be either direct references in the license application,
6 or, for instance, if we had a drawing and we needed to do a
7 calc to support it, then we considered that a licensing
8 application support product. So, we identified all those
9 products in conjunction with licensing and preclosure safety
10 analysis, and we've been proceeding to issue those documents,
11 some of them in parallel with other activities. So, we've
12 issued more than a thousand, and we have about--well, we can
13 do the math--a little less than 300 to go.

14 We've also identified about 100 of them that even
15 though they're issued, that because of changes, the decision
16 to borate the wet handling facility pool, some other changes
17 about not using programmable logic controllers for certain
18 functions, required us to change about a hundred of those
19 drawings. So, we're in the process now of meeting on
20 essentially a daily basis with Preclosure Safety Analysis to
21 make sure that our design syncs up with their preclosure
22 safety analysis, that syncs up with the license application.

23 So, we're into configuration control at this point,
24 and we're coming up with a design that meets the license
25 application requirements.

1 GARRICK: Okay. One other question. In the
2 conventional engineering world, they have metrics for
3 indicating where the design is from the standpoint of
4 nearness to completeness, metrics like preliminary design,
5 Title 1, Title 2, Title 3, whatever metric you want to use.
6 Can you tell us where we are now with respect to the design
7 and where you expect to be, say, at the time of the filing of
8 the license application?

9 SLOVIC: At the time of the completion of the license
10 application, we expect to be, and don't quote me these
11 numbers, 35 to 40 percent done on important to safety system
12 structures and components, and probably in the 25 to 30
13 percent on the supporting systems. So, we will have a
14 structural design. We will have designs of the important to
15 safety systems. We will have designs of the electrical
16 systems that we need. We will have designs for things like
17 hot water cooling systems for the buildings, but they won't
18 be to the level of detail that they will for the important to
19 safety structure systems and components.

20 ARNOLD: Henry?

21 PETROSKI: Petroski, Board.

22 So, in all these guidelines and drawings that
23 you're showing us, are these just conceptual, or have any
24 calculations gone into--

25 SLOVIC: No, these are reflective of the design as it's