

1 Q. **Reference: Schedule 1 - Refurbishment of Day Tank:**

2 (a) Attachment 1, page 10 of 109, shows the results of the last magnetic particle examination
3 performed on the day tank and cites one defect on the west side of the tank while
4 referencing an attached drawing for an illustration of the repair location. Please provide the
5 associated drawing.

6 (b) Attachment 1, page 12 of 109, illustrates the test results of the two 16x16 grid locations yet
7 the accompanying data shows the results on a 7x8 scale. Please explain.

8 (c) Please outline the testing procedure(s) involved in collecting the data shown on pages 13-14
9 of 109.

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12 A. (a) The associated drawing that is referred to in Attachment 1, page 10 of 109 is the sketch that
13 is provided on page 11 of 109. There is an error in the location of the defect as indicated on
14 this sketch. The text cites that the defect is on the west of the tank, which was correct. In
15 the sketch, the defect was incorrectly shown on the east side of the tank. The location of the
16 defect is immaterial to this application, as it was corrected during the 2013 out-of-service
17 inspection.

18 (b) The grid locations measured 16 inches by 16 inches. Measurements were taken at 2-inch
19 intervals (every second grid location), resulting in the data provided in the report. The
20 reason why there were no measurements recorded for column 8 is not documented. There
21 may have been an obstruction, such as a weld seam, at this location.

22 (c) The data provided on pages 13–14 of the report were collected using ultrasonic thickness
23 (“UT”) testing, measured by hand. A measurement grid was set up, with readings taken
24 every two feet. The UT probe uses the reflection of sound waves through the steel floor to
25 determine thickness of the plate at the measurement location.