ABB

January 31, 2013

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Docket No. 030-03754
License No. 06-00217-06
Mail Control Nos. 577311 and 577523

Mr. John Nicholson
U.S. Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Subject: **NRC Request for Additional Information – January 8, 2013**

Reference: Letter, J. Nicholson (NRC) to J. Conant (ABB), dated January 8, 2013

Dear Mr. Nicholson:

ABB Inc. ("ABB") is providing additional information to facilitate NRC's review of Final Status Survey Report Submittal Numbers 6 and 7 for the CE Windsor Site at 2000 Day Hill Road in Windsor, Connecticut. NRC requested additional information in your Reference letter of January 8, 2013. The Enclosure to this submittal provides the requested information.

If there are any questions or comments regarding this submittal, please contact Mr. Heath Downey, ABB's Radiation Safety Officer at (207) 939-5560 or me at (860) 418-0370 or by e-mail at john.conant@us.abb.com.

Sincerely,

ABB INC.

Elaine Hamrick on behalf of

John F. Conant
Director of Nuclear Engineering and Compliance

Enclosure: As stated

xc: Heath Downey (RSO)
Charles Petrillo (Town of Windsor)
Edward Wilds (CTDEEP)

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NMSS/RGN1 MATERIALS-002

Response to NRC Request for Additional Information dated January 8, 2013

CE Windsor Site
Windsor, Connecticut

NRC License Number 06-00217-06
Docket Number 030-03754
Control Numbers 577311, 577523

January 31, 2013

Request for Additional Information Question 1:
For Final Status Survey Report (FSSR) Submittal #6, in Appendix A, page 20 of 31, the data in the cpm, column for survey unit CE-FSS-23-02 indicates one blank entry and the subsequent one as "a0000660". Please verify these two entries.

Response:
The two data entries of concern were generated with a Ludlum Model 12 instrument connected to a Ludlum Model 44-10 2" by 2" NaI detector, logged in real-time using a Trimble® GeoXH GPS to provide coordinate information for each one-second gross gamma measurement. If the data register or buffer of the meter was not completely cleared of its previous count information, or there was garbled or unintelligible data in the buffer of the instrument upon startup, the GPS data logger may assign a blank value or characters such as "á", ")`@@CÀ", or "jPHø" as a preface to the incomplete, partial or corrupted sensor data. Such information is normally expunged as part of the data review process because it is an invalid data point. In this case, the two invalid entries were inadvertently reported in the FSSR Submittal #6. Therefore these two entries should be ignored.

Request for Additional Information Question 2:
Also in FSSR #6, in Appendix E, on page 28 of 52, four results for CE-FSS-23-06 were above the 4,004 cpm scanning investigation level. The results ranged from 6,240 to 31,200 cpm. Please describe how these results were addressed.

Response:
The area of these elevated results was rescanned as discussed in FSSR #6, Section 3.2.5. There were issues with the detector cable connection which was causing false positive results. Figure 1 indicates the location of these four results. The rescan of this area is provided as the next 12 sequential data points following the four results identified in Appendix E. These results are below the 4,004 cpm scanning investigation level. Therefore no additional actions were necessary.

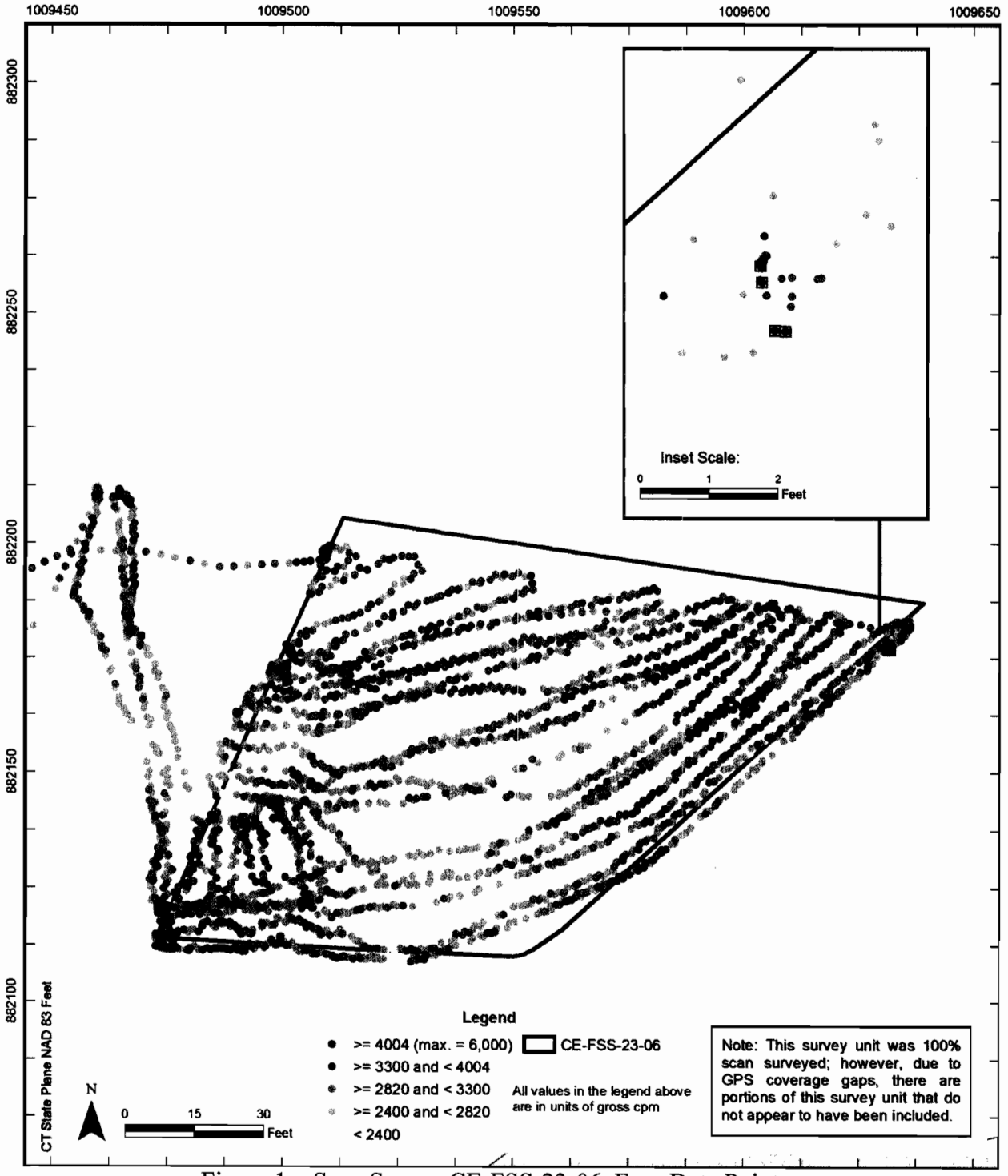

Figure 1 – Scan Survey CE-FSS-23-06, Four Data Points

Request for Additional Information Question 3:
In FSSR #7 in Appendix B, page 21, there is a map of the scan results for survey unit CE-FSS-26-07. In the Legend section it indicates a maximum reading of 31,200 cpm. In the data tables, for the scan results there is no cpm result of 31,200 cpm. Please describe how this scan result of 31,200 cpm was addressed.

Response:
The legend of the scan results figure in Appendix B of FSSR #7 incorrectly refers to the maximum scan value in this survey unit as 31,200 gross cpm. This error was missed during review. The actual maximum scan value for survey unit CE-FSS-26-07 was 6,000 cpm. In addition, Table 3.1 of the report needs to be updated as well to indicate that the maximum scan value for survey unit CE-FSS-26-07 was 6,000 gross cpm. While the 6,000 cpm max value exceeds the scan investigation criteria of 4,004 cpm, the results should be discounted as false positives because the highest nine-second average of all smoothed data was 3,200 cpm. This follows the logic and discussion provided in the Response to the previous RAI (Question 2) regarding gamma walkover surveys. Because the reading of 31,200 gross cpm does not exist for survey unit CE-FSS-26-07, no additional actions were needed to address this issue.