

**From:** [Burrows, Ronald](#)  
**To:** [Richard Blubaugh](#)  
**Subject:** NRC review of revised statistical analysis of the Radium 226 (soil) and gamma radiation correlation for screening surveys at the proposed Dewey-Burdock Project  
**Date:** Monday, December 09, 2013 12:30:36 PM

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Dear Mr. Blubaugh,

This e-mail is in response to your October 21, 2013, e-mail (ML13295A519) transmitting Powertech's revised statistical analysis of the Radium 226 (soil) and gamma radiation correlation for screening surveys at the proposed Dewey - Burdock Project for NRC technical review (the submittal). After reviewing this submittal, NRC staff requires additional information on the following aspects of Powertech's revised statistical analysis:

1) NRC staff's September 9, 2013, response (ML13253A082) to Powertech's August 19, 2013 additional statistical analysis (ML13238A185) requested Powertech to provide NRC staff with the specifics of all minor data entry errors, including how they were identified and how they were corrected (refer to request for additional information (RAI) #1 of ML13253A082).

Please provide NRC staff with this information.

2) NRC staff's September 9, 2013, response (ML13253A082) to Powertech's August 19, 2013 additional statistical analysis (ML13238A185) noted that portions of Appendix A (pages A-6 through A-8), Field Notes, are illegible and requested that Powertech provide NRC staff with a legible version of Appendix A (refer to RAI #4 of ML13253A082).

Please provide NRC staff with this information.

3) There is no indication of the magnitude of uncertainty or how uncertainties are incorporated into the current regression results. For example, at what statistical probability of compliance will Powertech incorporate in its gamma surveys (refer to Figures 5 and 6 in Appendix B of Powertech's August 19, 2013 additional statistical analysis (ML13238A185))

Please provide regression results that include an uncertainty analysis and describe Powertech's approach for incorporating this uncertainty in its gamma surveys for predicting Ra-226 soil concentrations.

Please contact me if you have any questions regarding this request.

Thank you.

*Ronald A. Burrows*

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