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To: [Matt Norton](#)
Cc: [Jackson, Todd](#); [Kauffman, Laurie](#); [Powell, Raymond](#); [Koenick, Stephen](#); thirst@newoppinc.org; [Schwartzman, Adam](#); [Chapman, Gregory](#); [Nelson, Robert](#); [Grossman, Christopher](#)
Subject: NRC staff review of the New Opportunities Cleanup Plan
Date: Friday, February 01, 2019 10:39:00 AM

Mr. Norton,

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the New Opportunities Cleanup Plan, which we received on June 27, 2018, and the NRC staff had the following Requests for Additional Information (RAIs).

Would you be available for a discussion with the NRC staff to clarify these RAIs next week? After our clarification call, NRC staff would consider an email response to these RAIs adequate for us to move forward.

It is NRC staff's understanding from a 9/28/18 email from Ms. Hirst, that NRC staff can directly speak with DDES on the Cleanup Plan.

Regards,
Richard Chang
Project Manager
US NRC
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RAIs for NOW Clean Up Plan

- 1) Section 8.3 of the Cleanup Plan discusses instrumentation. Please clarify the instruments that will be used (e.g., 100 cm² alpha/beta dual phosphor probes) and how the instruments will be calibrated for the variety of radioactive emissions anticipated. This is needed for staff to ensure the survey instruments will be appropriate to detect the type of contamination expected.
- 2) Section 8.2 of the Cleanup Plan discusses the Contamination Control Program. Please explain how areas will be assessed to have controls released. Staff anticipate surveys to release controls on the areas being remediated likely on a daily frequency. This is needed for NRC staff to ensure that the public dose limit of 100 millirem per year will not be exceeded and to prevent cross contamination.
- 3) Section 9.0 of the Cleanup Plan discusses environmental monitoring. Please explain the means used to assess the emissions from the HEPA units and applicable action limits that will be in place. This should include how public exposure will be assessed, if needed. This is needed for NRC staff to ensure that the public dose limit of 100 millirem per year will not be exceeded and to prevent the release of radioactive materials.
- 4) Section 5.0 of the Cleanup Plan discusses the proposed use of Derived Concentration Guideline Levels (DCGLs) as the method for assessing whether cleanup activities result in doses that are below the regulatory limits for the average member of the critical group (25 mrem/yr for the NRC; 19 mrem/yr for the State of Connecticut). The basis for the use of these proposed site-specific DCGL values for this particular site should be provided. This information is needed for NRC staff to assess the acceptability of the compliance values being used when evaluating any remaining doses associated with the cleanup of the site which, once established, can be used as the compliance point for determining whether or not the site has been remediated sufficiently.

