

## Carter, Ted

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**From:** Carter, Ted  
**Sent:** Thursday, June 14, 2012 1:16 PM  
**To:** 'Thomas Spencer'  
**Cc:** Guo, Lifeng; Arlt, Hans; Michalak, Paul  
**Subject:** NRC staff review of: SAC response to NRC's request for additional information in order to meet "Acceptance Review Criteria" per NUREG 1757

**Importance:** High

Mr. Spencer:

From five NRC requests for additional information (RAIs), Sigma was able to provide information on four of the requests.

- RESRAD parameter input summaries (PDF files suffice) of the exposure scenarios and the sensitivity analyses:
  - Sigma responded by providing an additional table within the document, not the parameter input summaries despite having talked with Glenn R. Marshall.
- information and the characteristics of the groundwater encountered at 33' below grade in BH 01:
  - Sigma stated that the water encountered did not produce a measurable volume for collection.
- log boring information for BH 01 from 20' thru 50':
  - Sigma provided information in Appendix C.
- information and the characteristics of the limestone bedrock encountered at 33' below grade in BH 02 and BH 03:
  - Doug Abeln, contractor of Sigma, stated that no samples of bedrock were taken. However, Mr. Abeln emailed staff helpful information on this topic.
- Clarification needed on meaning of paragraph on page 3 of Appendix D labeled "Case Narrative." i.e., laboratory procedure and results to be written in laymen terms:
  - Sigma provide no rewrite of that paragraph. However, Mr. T. Spencer emailed staff helpful information on this topic.

Based on the above review, Sigma's responses to the RAIs in order to meet the acceptance criteria per NUREG 1757 are adequate to begin a technical review. NRC's technical review schedule for Sigma's license amendment request will be based on available resources.