

Tank 16H and 12H Grouting Requested References to Supplement Questions for May 2016  
Teleconference

1. Example Batch Ticket from either Tank 18F or 19F that clearly indicates the original amount of EXP 958 used to achieve lesser slump flows. Now Argos maxes out the EXP 958 allowed by specification, but what amount did the vendor use originally?
  - The EXP 958 has essentially been at the max for all tanks, including Tank 18 & 19. Previous batch tickets provided for Tanks 18/19 via email from Sherri Ross on 6/21/2012 show values used. Based on a review of all Tank 18/19 batch tickets, the same value was used throughout grouting. A copy of those batch tickets are provided with E-mail #1.
2. C-SPP-F-00057. McCord, J.B. "Furnishing and Delivery of Cooling Coil Grout Dry Feeds." Revision 2. Aiken, South Carolina: Savannah River Remediation, LLC. July 2014. (Referenced in Tank 12H Grout Strategy SRR-LWE-2014-00147, Rev. 1)
  - Copy provided with E-mail #1
3. C-SPP-Z-00012. "Vault 4 Clean Cap Grout (Procurement Specification)." Revision 1. Aiken, South Carolina: Savannah River Remediation, LLC. March 2014. (Referenced in SRR-CWDA-2015-00096, Rev. 1)
  - Copy provided with E-mail #1
4. RPT-5539-EG-0016, Grout Drop Test Report. SRRA051386-2-A Supplier Document Status, Savannah River Site. Video on DVD of the test if available.
  - A copy of the report was previously provided to the NRC [ML15239A622]. A DVD containing video of the test has been mailed to J. Shaffner and should arrive the week of 5/2/2016.
5. Grout shrinkage test report (if and when completed)
  - Documentation of shrinkage testing results will not be available prior to the 5/17/2016 phone call.
6. Goldsim Modeling report describing model runs for 2-layer Tank 16H waste release given 90% tank grout fill and 10% clean cap grout fill. (Referenced in SRR-CWDA-2015-00096)
  - SRR-CWDA-2015-00100 provided with E-mail #1
7. Documentation for the anticipated compressive strength of clean cap grout, if not already provided in another requested report.<sup>1</sup>
  - SRR-CWDA-2015-00160 provided with E-mail #3
8. Tank 16-H nonconformances<sup>1</sup>
  - 2015-NCR-15-WHC-0008 and 2015-NCR-15-WHC-0013 are being provided by DVD (due to file size) which has been mailed to J. Shaffner and should arrive the week of 5/2/2016.
9. Tank 16-H Grout Placement work order
  - Work Order 01324150-64 provided with E-mail #1
10. Tank 12-H Grout Placement work order
  - Work Order 01337683-33 provided with E-mail #1
11. Tank 16-H Grouting Project Lessons Learned (if and when completed)<sup>1</sup>
  - SRR-TCR-2015-00024 provided with E-mail #1
12. Tank 16-H Final Configuration report (when completed)
  - The Tank 16 FCR will not be available prior to the 5/17/2016 phone call. This item is captured as an Action Item from the 2/2016 NRC OOV.
13. PNNL-22747/SRNL-STI-2013-00465. Westsik, J.H. Jr., et al. "Supplemental Immobilization of Hanford Low-Activity Waste: Cast Stone Screening Tests." Revision 0. Richland, Washington: Pacific Northwest National Laboratory. September 2013. (Referenced in SRR-CWDA-2015-00057 Rev1)

<sup>1</sup> If this reference will be provided with the Final Configuration Report in 1<sup>st</sup> Quarter FY2016, then it is acceptable to provide it along with the Final Configuration Report. However, if it is anticipated that the Final Configuration Report will be delayed, please provide the reference in response to this request.

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- Due to the size of the document it is not being provided via email transmittal, however, a copy can be obtained at the following website:
  - <http://www.osti.gov/scitech/biblio/1126363>
- 14. PNNL-22977/EMSP-RPT-015. Um, W., et al. "Characterization of Technetium Speciation in Cast Stone." Richland, Washington: Pacific Northwest National Laboratory. November 2013. (Referenced in SRR-CWDA-2015-00057 Rev1)
  - Copy provided with E-mail #1
- 15. SDDR #13182. "Slag Cement not Meeting ASTM C989, Grade 100 (Supplier Deviation Disposition Request)." Aiken, South Carolina: Savannah River Site. June 2015. (Referenced in SRR-CWDA-2015-00088)
  - Copy provided with E-mail #1
- 16. SRR-CWDA-2014-00011. "Evaluation of Vendor Supplied Clean Cap Material for Saltstone Disposal Units." Revision 0. Aiken, South Carolina: Savannah River Remediation, LLC. March 2014. (Referenced in SRR-CWDA-2015-00100, Rev. 2)
  - Copy provided with E-mail #2
- 17. SRR-LWE-2012-00030. Worthy, S. "Tank 12 Cooling Coil Flushing Strategy." Revision 1. Aiken, South Carolina: Savannah River Remediation, LLC. November 2012. (Referenced in Tank 12H Grout Strategy SRR-LWE-2014-00147, Rev. 1)
  - Copy provided with E-mail #2
- 18. SRR-LWE-2013-00214. "Engineering Path Forward – Tanks 5 & 6: Record of Additional Grouting Actions. Revision 0. Aiken, South Carolina: Savannah River Remediation. (Referenced in Tanks 5/6 Final Configuration Report)
  - Copy provided with E-mail #2
- 19. SRR-LWE-2014-00161. Voegtlen, R. "Tank 12H Internal Equipment Hold-Up Evaluation." Revision 0. Aiken, South Carolina: Savannah River Remediation, LLC. February 2015. (Explains equipment grouting in detail; Referenced in Tank 12H Grout Strategy SRR-LWE-2014-00147, Rev. 1)
  - Copy provided with E-mail #2
- 20. SRR-LWE-2015-00032. Ostler, M. "Tank 12-H Closure Assurance Plan." Revision 1. Aiken, South Carolina: Savannah River Remediation, LLC. Month Year (Please provide the new revision prepared to account for potential use of clean cap grout if it exists)
  - The Tank 12-H Closure Assurance Plan was not revised.
- 21. SRR-LWE-2015-00048. Griffin, A.L. "Path Forward for Tank 12 Annulus Liquid Removal." Aiken, South Carolina: Savannah River Remediation, LLC. Revision 0. July 2015. (Referenced in Tank 12H Grout Strategy SRR-LWE-2014-00147, Rev 1.)
  - Copy provided with E-mail #2
- 22. USQ-HTF-2015-00300 (concerns switch to Grade 120 slag; Referenced in SRR-CWDA-2015-00088)
  - Copy provided with E-mail #2
- 23. NRC staff requested a Grade 120 Slag UWMQE that includes information on wet chemistry test, flow test, compressive strength, bleed, heat of hydration charted over time. Is there a document available that covers these topics? Is it USQ-HTF-2015-00300?
  - SRR-CWDA-2015-00088 provided with E-mail #2
- 24. VSL-15R3740-1. Gong, W.A., et al. "Investigation of Alternate Grout Granulated Blast Furnace Slag for the Saltstone Facility." Washington, DC: Vitreous State Laboratory. August 2015. (Referenced in SRR-CWDA-2015-00057Rev1)
  - Copy provided with E-mail #2
- 25. "Grout Fill Work Package 1324150-64" (Referenced in SRR-LWE-2014-00150)
  - Provided under Item #9 with E-mail #1