ADDENDUM D
GROUNDWATER MONITORING PLAN

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D GROUNDWATER MONITORING PLAN, LLBG TRENCH 94

D.1 Introduction

The groundwater conditions underlying LLBG Trench 94 have changed over the past several years. The groundwater level has dropped and many wells have gone dry. Past groundwater characterization methods may no longer be valid for a groundwater monitoring program to ensure compliance with WAC 173-303-645. Establishing a RCRA monitoring network around a unit requires geological evaluation, using direct and indirect methods. A geophysical investigation shall be performed by the Permittees to determine whether new monitoring wells will be feasible and appropriate to continue to monitor the groundwater. The geophysical investigation shall be completed by September 30, 2014. Should it be determined that new wells are not appropriate, then the Permittees shall provide an alternative plan for achieving regulatory compliance. The plan shall be provided 180 days after completing the geophysical investigation (WAC 173-303-815).

Groundwater monitoring for Trench 94 in the meantime will continue to be performed in accordance with the *Interim Status Groundwater Monitoring Plan for the LLBG WMA-2* (DOE/RL-2009-76). The plan is the principal controlling document for current groundwater monitoring at the 218-E-12B low-level burial ground including Trench 94. The plan addresses the following: (1) adequacy and attributes of the wells used to monitor the groundwater; (2) sampling requirements and schedule; (3) constituents, groundwater parameters, and analytical methods necessary to determine whether past releases are affecting the groundwater quality; (4) procedures for evaluating groundwater quality data; and (5) reporting requirements.

D.2 Reference

U.S. DOE (2010). *Interim Status Groundwater Monitoring Plan for the LLBG WMA-2*, DOE/RL-2009-76, Revision 0, Administrative Record AR 0084331, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

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