

200-UW-1 Operable Unit Project Agreement/Change Control Form	
Document Number/Title: 0068116 DOE/RL-2005-75, <i>Sampling and Analysis Plan for Support Activities to the 200-UW-1 Operable Unit, Rev. 0</i>	Date Document Last Issued: December 15, 2005
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Summary Description:	
<p>In Table 3-1 of the above mentioned SAP, for the 200-W-42 VCP Excavations sampling activities, a minimum of 5 -12 samples were proposed for laboratory analyses from the bottom of each excavation and from each set of lengthwise side-walls, with 1 trip blank and 1 field duplicate for each day of sampling.</p> <p>Since the excavated trenches are significantly wider than anticipated, the sampling of the lengthwise side-walls is no longer needed for either excavation. In addition, the bottom of each excavation will be sampled utilizing the multi-incremental sampling approach in order to increase the number of sample locations being collected, while reducing analytical costs for the samples.</p> <ul style="list-style-type: none"> • For the area between 216-U-8 and 216-U-12 Cribs, 1 multi-incremental sample plus 2 replicate samples will be collected for analyses and 2 discrete volatile samples will be collected in addition to 1 trip blank for volatile analyses only. • For the excavation area north of 216-U-8, 1 multi-incremental sample will be collected for analyses and 2 discrete volatile samples will be collected in addition to 1 trip blank for volatile analyses only. <p>Both excavation areas will now become 1 decision unit. Each multi-incremental sample and replicates will consist of a minimum of 50 sampling increments combined, and with a 20 gram minimum sample amount for each of the different analyses to be completed.</p>	
Justification and Impact of Change:	
<p>The multi-incremental sampling approach ensures that samples are collected from the whole exposure area decision unit. Advantages over standard sampling are that the multi-incremental sampling approach reduces uncertainty in close-out verification, collection and lab preparation error as compared to discrete sample collection.</p> <p>NOTE: The use of multi-incremental sampling for the bottom of the 200-W-42 VCP excavations is not meant to set sampling precedence for other Central Plateau sampling activities. Each site will take various site-specific conditions into account when developing a site-specific sampling procedure</p>	
DOE On-Scene Coordinator: 	Date: 02/02/06
Ecology Project Manager: 	Date: 2-Feb-2006

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