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U Plant-

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- Inventory – In the past, access to historical Inventories discharged to cribs around “U” plant was limited due to classified controls of the plant documentation. These inventories and data controls need to be checked and revalidated due to this high uncertainty and the limiting controls imposed by The Department of Energy.
 - Cribs – U1 / U2 release occurrence to the groundwater resulted in a value of approximately 200,000 Pico curies/Ltr. This level of contamination suggests a very high inventory in the upper vadose zone associated with the U1/U2 crib. The inventory at U1/U2 needs to be checked.

Reverse well – U-4 and associated French drains have an unknown inventory of contaminants discharged from 222 U Lab. They need further investigation.

- Water Balance – The “U” Plant site may have multiple piping leaks based on an early water balance investigation. The report investigator was unable to account for 30% of the plant water. This suggests that there is a potential for releases under existing facilities at U plant.

291-U Stack – The stack inventory is unknown and needs to be documented and addressed in this study.

- There is a large uncertainty with an engineered cover / barrier especially with an ET Barrier. Historical performance indicates large number of failures – leakage / subsidence.
- There are unknown future impacts from the contaminated inventory perched on caliche layers underlying U Plant Site. This needs to be discussed in more detail.
- Use of analogous site method is poor choice since uncertainty of site and inventory is limited.
- Potential Thorium contamination and waste associated with the uranium recovery at U Plant area has not discussed. The potential for it being there and in measurable quantities is of concern.
- Also missing from this study is the need to define the nature and extent of airborne contamination resulting from stack releases at U Plant.

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APR 27 2006

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