

***Vadose Zone Monitoring System Work Plan, Section 3.1 (Methods and Procedures), Paragraph #6 (INSERT & REPLACE EXISTING TEXT):***

Analytical data for the waste-water samples will be compared to the data for non-waste waters using trilinear plots for major ion chemistry characterization (calcium, magnesium, potassium, sodium, bicarbonate, sulfate and chloride) and through a tabular format for the comparison of metals/nonmetals/metalloids, radionuclides, hydrocarbons and other constituents. These baseline data comparisons will be used to identify potential sources of any fluids that may accumulate in sumps or vadose zone monitoring wells. Using the baseline characterizations of the waste water and non-waste water, a suite of appropriate analytical indicator parameters will be selected to be incorporated into the vadose zone monitoring program for leak detection during facility operation. The indicator parameters will be a subset of the baseline analytical suite outlined in Table 1 and will include chemicals contained in the facility wastes. Therefore, the indicator parameter list is expected to evolve as varying waste streams are accepted by the facility. In addition, all hazardous chemicals ever received historically at the facility will comprise a full list of indicator analytes, for which monitoring will be performed semiannually during facility operations.

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Subject: VZMS WP revision to Section 3.0

Steve -

Attached is our update to paragraph #6 of Section 3 in the VZMS Work Plan per our discussion yesterday. Please call if you have any questions or this does not meet your expectations.

Dwire

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