

MEMORANDUM

To: Harold Lefevre
US Nuclear Regulatory Commission
From: Vernon Andrews
Corporate RSO, Envirocare of Utah, Inc
Date: October 1, 1996
Subject: Sampling and analysis sequence of events, Ground Water Well GW-28;
License No SMC-1559

40-8989

Envirocare had identified a possible exceedence in the uranium concentration at Well No. GW-28 in a sample collected on February 6, 1996. The reported concentration was 0.013 mg/l, relative to an established background value of 0.011 mg/l. The laboratory report was received on March 11. Envirocare resampled the well within 72 hours (March 14) of receiving the laboratory report and determining that the result may have been valid. At the same time, the laboratory was requested to reanalyze the sample which was still in their possession. Duplicate analyses resulted in two results, each of 0.012 mg/l.

The first resample, collected on March 14, was analyzed in duplicate and resulted in two results one value of 0.011 mg/l and one value of 0.016 mg/l. Based on the results of five analyses on two samples with concentrations of 0.013, 0.012, 0.012, 0.011 and 0.016 mg/l, it was Envirocare's opinion that the value of 0.016 mg/l was an outlier. Therefore, the first resample result of 0.011 was considered to be at background.

The first resample report was received from the laboratory on April 29 after completing the data validation and determining that the result was below established background on May 2, the well was scheduled for the second resampling. As required by License Condition 11.1(g), the second resample was collected on May 7, 1996. The uranium concentration in that sample was determined to be 0.0089 mg/l.

The interpretation of the three sets of sample data is that the uranium concentration in the sample collected on February 6 was in error, as defined in License condition 11.1(g), and no exceedence occurred. Therefore, Envirocare was not required, under License Condition 12.2, to notify NRC and there was no violation.

A summary sheet detailing the sequence of events is attached.

Vernon E. Andrews

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Sheet1

WELL	COLLECT		INITIAL REPORT			SECOND REPORT	
	DATE		DATE RECD	EXCEED	CONC	DATE	CONC
28	5-Feb		11-Mar	U	0.013	22-Apr	0.012 0.012

WELL	ANALYTE	1st RESAMPLE		1 st	2 nd
		DATE	REPORT	DUP	DUP
28	U	14 Mar	29 Apr	0.011	0.016

WELL		2nd RESAMPLE		Result
		DATE	REPORT	
28	U	7-May	4-Jun	0.0089