

Joseph Burch

From: Joseph Burch
Sent: Monday, February 6, 2023 8:18 AM
To: Richards, Jon M.; 'Cathcahe (dhec.sc.gov)'
Cc: HENNESSEY, BRIAN; Pope, Robert; Dawson, Jana; Fulmer, Susan; PRATER, M PHILIP; MORROW, KAREN D; Chris Bergren; Thelesia Oliver; 'Shannan Lucero'; Kelsey Holcomb; J Ross; Amy Meyer; Dena Brett; McRae, Mac; Shelia Mcfalls; Gregory N. O'Quinn (oquinngn@dhec.sc.gov); Ryan Mcdaniel; Seth Miller; Jeffrey Thibault; Kevin Boerstler
Subject: General Separation Area Western Groundwater - Well FGW005C Elevated Non-Volatile Beta Sample Data

SRNS-J2000-2023-00074

Reference: [Scoping Summary for the GSA Western Groundwater OU \(U\)](#), (ERD-EN-2005-0127).

The purpose of this notice is to meet the expectation to promptly notify the General Separation Area (GSA) Groundwater Core Team of "a problem requiring immediate attention" as documented in the Section 5.0 of the referenced scoping summary. Specifically, since the November 9, 2022, GSA Scoping meeting in which FGW005C was discussed in detail, SRS received the 2022 monitoring data for this well. Well FGW005C is located approximately 700 feet west of the 221-F Canyon facility and screened in the lower aquifer zone at a depth of 125 to 140 feet below ground surface. The concentration for the non-volatile beta (NVB) increased from 7,766 pCi/L (sample date June 10, 2021) to 938,000 pCi/L (sample date October 25, 2022). NVB activity is primarily attributable to Strontium-90. As a result of this unexpected, elevated sample concentration, SRS is planning the immediate resampling of this well to validate the condition.

SRS will plan on discussing this resample data with the Core Team upon receipt, including (if the result is confirmed) potential sources. SRS is trying to have the new data available in the near future with a meeting to discuss the results in March/April 2023 timeframe as determined by the data availability.

Since the 2021 GSA sample data Scoping Summary was presented in November 2022, prior to the receipt of this new data, SRS will proceed with submitting the 2021 scoping summary without this new 2022 data.

Please let me know if you have any questions.

Thanks

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