Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, South Carolina 29802

JAN 2 8 2026

Ms. Susan B. Fulmer, P. G., Manager
Federal Remediation Section
Division of Site Assessment, Remediation and Revitalization
Bureau of Land and Waste Management
South Carolina Department of Environmental Services
2600 Bull Street
Columbia, South Carolina 29201

Mr. Jon Richards
Savannah River Site Remedial Project Manager
Superfund and Emergency Management Division
U. S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303

Dear Ms. Fulmer and Mr. Richards:

SUBJECT: Savannah River Site's Responses to the Regulatory Comments on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary) (RDDD-25-145, dated June 24, 2025) SEMS Numbers: 40 and 59

In accordance with the terms of the Federal Facility Agreement (FFA), the U.S. Department of Energy (DOE) is submitting the subject comment responses for your review. The South Carolina Department of Environmental Services' (SCDES) approval and U.S. Environmental Protection Agency's (EPA) comments were received on October 20, 2025, and October 23, 2025, respectively. This report will not be revised; however, all comment responses will be included in the next report, as applicable. Please review the enclosures and provide your approval within thirty (30) days of receipt. The effort and time that the EPA and the SCDES have provided on this operable unit are greatly appreciated.

Questions from you or your staff may be directed to me at (803) 522-6427, or the DOE Operable Unit Manager, April Coffman, at (803) 952-7244.

Sincerely,

MATTHEW BAKER

Digitally signed by MATTHEW BAKER
Date: 2026.01.27 16:17:37 -05'00'

Matthew R. Baker
Acting FFA Remedial Project Manager
DOE-Savannah River Operations Office
Remediation, Deactivation, and Decommissioning Division

RDDD-26-124

JAN 2 8 2026

Ms. Susan Fulmer
Mr. Jon Richards 2

Enclosure:
SRS Responses to the U.S. Environmental Protection Agency's Comments on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary), SEMS Numbers: 40 and 59

c w/o encl:
M. Reece, SCDES-Columbia
H. J. Porter, SCDES-Columbia
J. Blalock, SCDES-Columbia
S. French, SCDES-Columbia
R. G. Stewart, SCDES-Columbia
M. Mehta, SCDES-Columbia
G. O'Quinn, SCDES-Midlands Aiken Environmental Affairs Office
T. G. Corley, SCDES-Midlands Aiken Environmental Affairs Office
C. L. Robertson, SCDES-Midlands Aiken Environmental Affairs Office
E. G. Downing, SCDES-Midlands Aiken Environmental Affairs Office
H. L. Herlong, SCDES-Midlands Aiken Environmental Affairs Office

c w/ encl:
H. Cathcart, SCDES-Columbia
M. McRae, TechLaw, Inc.

SRS Responses to USEPA on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary), SEMS Numbers: 40 and 59, SRNS-J2000-2025-00410, Revision 0, Dated June 2025
Savannah River Site, Aiken, South Carolina

Comments Received October 23, 2025

GENERAL COMMENTS

1. It is unclear why annual sampling is conducted during the fourth quarter for the K-Area Burning/Rubble Pit (KBRP) Operable Unit (OU) and whether this coincides with higher groundwater elevations. The Summary Report should discuss the rationale for sampling during the fourth quarter and provide time-series graphs for water levels to support the rationale. For example, KRP 9 is sampled semi-annually and the results indicate that concentrations during the second quarter (when water levels were 0.75-feet higher) were greater than during the fourth quarter. In order to ensure monitoring data are more representative of peak concentration conditions, sampling should coincide with higher groundwater elevations. *Please revise the Summary Report to discuss the rationale for sampling annual wells during the fourth quarter and clarify whether this aligns with the expected peak concentrations based on historical groundwater elevation data. If peak concentrations are not targeted, the Summary Report should explain why this sampling approach will ensure representative samples are collected.*

   Response: Clarification.

   The sampling schedule and frequency for the KBRP OU are defined by the approved sampling optimizations outlined in the last detailed combined groundwater monitoring report which was submitted in 2022. Hydrographs are provided in these detailed groundwater monitoring reports that are submitted every five years. An updated hydrograph and the time-series plot for KRP 9 is provided below in Figure CR-1 for reference. Concentration increases are not correlated directly with increases in water levels, as evidenced by concentration increases in 2006-2007, while water levels declined, and concentration decreases in 2014-2017, while water levels increased.

   No change to the current document is proposed.

   Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

2. An additional surface water (SW) sample location should be proposed at the P-Area Burning/Rubble Pit (PBRP) Operable Unit (OU), upstream of SC-03 on the eastern bank of the discharge canal and downstream of the riprap. The new surface water sample location would be utilized to correlate potential groundwater to surface water interaction pathways and identify if there are any previously unrecognized contaminant migration routes that may discharge to surface water. This location would also support assessment of whether surface water exceedances correspond spatially with groundwater exceedances near the PBRP and whether surface water concentrations decrease with increasing distance from the OU. *Please revise the Summary Report to recommend an additional surface water location upstream of SC-03, and downstream of the riprap to evaluate surface water interaction pathways and*

determine whether contaminant concentrations in surface water decrease downstream of PBRP.

Response: Clarification.

The locations of the surface water stations were selected to observe the impacts of the PAGW plume; however, in an effort to observe the potential impact of VOCs from PBRP to Steel Creek, the results of the three surface water stations were also included in the PBRP report. Based on the potentiometric surface within the area, SC-03 is located in the flow path of groundwater discharge from the PBRP OU to Steel Creek. A location upgradient of SC-03 would not be representative of the PBRP OU groundwater concentrations. Elevated concentrations of TCE at SC-03 are due to the significantly higher concentrations in the PAGW plume. Concentrations of 1,4-dioxane and 1,1-dichloroethylene in SC-03 are representative of the PBRP plume, and as shown by the results in Table 4 of the data summary letter no impact from the PBRP OU is present within Steel Creek. Contributions of VOC contamination to Steel Creek can be further evaluated by assessing the data collected from the four shallow wells (PSC007D1, PSC007D2, PSC008D1, and PSC008D2) that were recently installed on the PBRP side Steel Creek.

No change to the current document is proposed.

Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

3. The Summary Report should discuss the rationale for the range of flow rates used to collect groundwater samples (i.e., 0.1 to 1 gallons per minute) and surface water samples (i.e., 0.073 to 0.942 gallons per minute) and evaluate whether the use of higher flow rates may have impacted volatile organic compound (VOC) results, particularly for the surface water sampling. For example, Table 4 (First Quarter 2025 PBRP OU Groundwater Data) indicates the sample flow rate used at SC-03 was 0.073 gallons per minute and the corresponding trichloroethylene (TCE) concentration was 13.3 micrograms per liter (µg/L), whereas the flow rate at SC-04 was 0.942 gallons per minute and the corresponding TCE concentration was 1.47 µg/L. Because the flow rates differ by an order of magnitude, the Summary Report should discuss whether the sampling flow variability could have affected concentration results and data comparability across locations. *Please revise the Summary Report to discuss the rationale for the range of flow rates used to collect groundwater and surface water samples, and evaluate whether the flow variability could have affected concentration results and data comparability.*

Response: Clarification.

Flowrates used to collect groundwater samples vary by well based on sampling methods, lithology, well development, etc. Surface water flow rates vary within Steel Creek as it is a

gaining stream. SC-04 is approximately 1/4 mile downstream of SC-03. SC-03 is also located in a low flow/ponded area of Steel Creek as indicated on Figure 5 of the data summary letter. VOC concentrations could be affected by a number of factors, including increased surface runoff relative to groundwater discharge or greater upgradient (clean) groundwater discharge. However, as mentioned in the data summary letter, the elevated TCE concentration is a result of the discharge from PAGW OU not the PBRP OU.

If pertinent to COCs related to PBRP, interpretation of the relationship between the range in flow rates and contaminant levels will be discussed in the next future detailed groundwater monitoring report (2027).

No change to the current document is proposed.

Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

SPECIFIC COMMENTS

1. **K-Area Burning/Rubble Pit (KBRP) Operable Unit (OU), Page 2:** The text does not discuss whether the changes in aquifer gradients align with historical observations. The text indicates that groundwater elevations decreased slightly in the Upper Three Runs Aquifer Unit (UTRAU), decreased slightly in the upper portion (AA) of the Upper Aquifer Zone (UAZ), and increased slightly in the lower portion of the transmissive zone (TZ) of the UAZ. Without comparison to historical elevation data, it is unclear whether these variations represent normal seasonal/hydrogeologic variability or potential shifts in flow patterns that could affect contaminant migration. *Please revise the Summary Report to discuss whether the noted changes in gradients are consistent with long-term trends.*

   Response: Clarification.

   The purpose of the data summary letters are to provide the sampling data from each sampling event, highlighting any unexpected changes in contaminant levels. Detailed discussions of long-term parameter trends are not within the scope of these annual data summary letters. The detailed groundwater monitoring reports submitted every five years include these details. However, based on hydrographs that were provided in the last combined groundwater monitoring report (SRNS-RP-2022-00253, Rev. 0, June 2022), the variations in groundwater elevation data are in line with typical variations and historical aquifer gradients.

   Details of the changes in aquifer gradients versus historical trends will be discussed in the future detailed groundwater monitoring report.

   No change to the current document is proposed.

Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

2. **K-Area Burning/Rubble Pit (KBRP) Operable Unit (OU), Page 2:** It is unclear whether 1,4-dioxane sampling has been conducted at the KBRP OU. 1,4-Dioxane is found at many federal facilities because of its widespread use as a stabilizer in chlorinated solvents including tetrachloroethylene (PCE) and TCE and is typically found at solvent release sites like the KBRP OU. 1,4-Dioxane can pose an unacceptable human health risk at certain concentrations, is recalcitrant, difficult to remediate and will likely remain after PCE and TCE has been remediated. Based on the detections at the P-Area Burning/Rubble Pit (PBRP) OU, the Report should clarify the status of 1,4-dioxane at KBRP OU (e.g., whether historically sampled and removed from the sampling program or not sampled). *Please revise the Summary Report to clarify the status of 1,4-dioxane at KBRP OU.*

   Response: Clarification.

   Discussion of 1,4-dioxane at the KBRP OU has been provided in previous reports. Based on a recommendation in the Fourth Five-Year Remedy Review Report for the Savannah River Site (SRNS-RP-2012-00011, Rev. 1.1, November 2013), 1,4-dioxane was analyzed at the KBRP during the fourth quarter of 2013. All results were non-detect and future sampling of 1,4-dioxane was deemed unnecessary.

   No change to the current document is proposed.

   Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

3. **Figure 2, 2024 KBRP OU Potentiometric Surfaces, Page 6:** It is unclear whether the interpreted groundwater flow direction arrows are accurate. For the AA, groundwater is interpreted as flowing westerly across the site; however, flow direction arrows should intersect potentiometric surface contours at a 90 degree angle. Therefore, based on the potentiometric surface contours, there is a west-northwest groundwater flow component near KRP 5 and the 211 foot water elevation contour. *Please revise the Summary Report to ensure groundwater flow direction arrows are drawn at 90 degree angles intersecting the potentiometric surface contours, and capture all flow components directions.*

   Response: Agree with Clarification.

   A revised figure (Figure CR-2) is shown below with the corrected groundwater flow direction.

   No change to the current document is proposed.

   Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

SRS Responses to USEPA on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary), SEMS Numbers: 40 and 59, SRNS-J2000-2025-00410, Revision 0, Dated June 2025 Savannah River Site, Aiken, South Carolina

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4. **P-Area Burning/Rubble Pit (PBRP) OU, Page 9:** The text mentions that the OU had to be resampled twice due to exceeding temperature requirements during shipping; however, a discussion of a root-cause analysis (RCA) and recommendation to avoid this occurrence during future sampling events is not provided. *Please revise the Summary Report to discuss a RCA and make recommendations to prevent this occurrence in future sampling events.*

   Response: Agree with Clarification.

   The initial shipping issue was determined to be caused by extended shipping and transportation times and insufficient longevity of ice packs that were used to maintain the cooler temperatures. As a result, the first resampling event was packaged with wet ice instead of ice packs to increase the longevity of the ice. The resolution did not resolve the issue, and the second resampling event was sent to a closer laboratory with shorter shipping and transportation times to analyze the samples. In future reports, if sampling issues are encountered the details and resolution will be provided.

   No change to the current document is proposed.

   Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

5. **P-Area Burning/Rubble Pit (PBRP) OU, Page 9:** The Summary Report does not address the potential implications of conducting sampling in April rather than the planned January timeframe. Although April is still within the first quarter, seasonal hydrologic conditions can differ between early and late first quarter (Q1), potentially affecting groundwater elevations, gradients, and constituent concentrations. Furthermore, groundwater elevations used for potentiometric mapping and gradient interpretation were not remeasured during the April sampling event. Using January water levels for April sampling results produces non-synoptic data, and the resulting potentiometric surfaces and inferred flow directions may not accurately represent hydraulic conditions at the time of sampling. *Please revise the text to discuss whether the delayed April sampling could have resulted in concentration differences compared to the originally planned January event. Additionally, if groundwater elevations were remeasured in April 2024, use those measurements to generate the potentiometric surface(s) figure and update gradient interpretations accordingly. Alternatively, if April water levels were not collected, explain the rationale and clearly identify the resulting potentiometric surfaces as non-synoptic.*

   Response: Agree with Clarification.

   A synchronous water level event was conducted across P Area as part of the PAGW OU sampling effort in January. Data from that event was used to portray groundwater flow beneath the unit. Groundwater elevation data was collected as part of the April sampling event but only from the wells that were resampled. The results from both the synchronous

groundwater sampling event and the analytical sampling event are posted on Table 4 of the data summary letter. On average the water levels ranged from a decrease of 0.39 ft bgs to an increase of 0.33 ft bgs in the January and April sampling events. Results from the two events would not have likely been significantly different due to the minimal fluctuation in groundwater elevations, as compared to long-term changes of up to 10 feet (see attached Figure CR-1. Contaminant concentrations observed during the April sampling event were also consistent with historical trends as shown in Figures 8 through 11 in the data summary letter.

No change to the current document is proposed.

Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

6. **Table 4, First Quarter 2025 PBRP OU Groundwater Data, Page 12:** It is unclear why PRP 1A and PRP 2 are not sampled for 1,4-dioxane. These locations are upgradient of the exceedances noted at PRP 6 and PRP 7, and should be sampled to clarify the upgradient extent of 1,4-dioxane. *Please revise the Summary Report to recommend sampling for 1,4-dioxane at PRP 1A and PRP 2.*

   Response: Clarification.

   PRP 1A and PRP 2 were historically sampled and evaluated as part of the RFI/RI/BRA (WSRC-RP-98-4147, Rev. 1.1, April 2001). Results of the groundwater samples collected as part of the characterization effort for the RFI/RI/BRA were non-detect in both wells for the identified RCOCs (1,1-DCE and TCE). As part of the Record of Decision (WSRC-RP-2000-4197, Rev.1, June 2022), only wells PRP 5, PRP 6, and PRP 7 were added as part of the monitoring network. 1,4-dioxane was added to the list of monitored constituents as part of a recommendation in the Fourth Five-Year Remedy Review Report for the Savannah River Site (SRNS-RP-2012-00011, Rev. 1.1, November 2013). However, due to the fact that other identified RCOCs were not detected in wells PRP 1A and PRP 2, and no upgradient sources of 1,4-dioxane exist within the vicinity of the PBRP OU, SRS does not find it necessary to sample for 1,4-dioxane at these two wells.

   No change to the current document is proposed.

   Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

MINOR COMMENTS

1. **Cover Page, Page 1:** The text states, "In October 2017, the South Carolina Department of Environmental Services (SCDES) and the U. S. Environmental Protection Agency (EPA) agreed to discontinue groundwater monitoring and reporting for the LBRP OU [L-Area

Burning/Rubble Pit and Rubble Pile (131-L, 131-3L, and 131-2L];" however, a citation for this agreement is not provided. *Please include a citation for the document regarding approval for the discontinuation of groundwater monitoring and reporting for the LBRP OU.*

Response: Agree with Clarification.

In future reports a reference to the agreement will be provided as shown below.

> **"The combined groundwater monitoring report (sampling summary) formerly included the L-Area Burning/Rubble Pit and Rubble Pile (131-L, 131-3L, and 131-2L) (LBRP) Operable Unit (OU). In October 2017, the South Carolina Department of Environmental Services (SCDES) and the U. S. Environmental Protection Agency (EPA) agreed to discontinue groundwater monitoring and reporting for the LBRP OU (ARF-021385 and ARF-021416). Therefore, LBRP OU is not included in this report."**

No change to the current document is proposed.

Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

2. **Table 2, Second and Fourth Quarters 2024 KBRP OU Monitoring Well Data, Page 4 and Table 4, First Quarter 2025 PBRP OU Groundwater Data, Page 12:** The resolution of Table 2 and Table 4 is very poor. As such it is difficult to distinguish precise sampling dates (e.g., "Jun" versus "Jan"), or the units of reported values. *Please revise the Summary Report to include an improved resolution version of Tables 2 and 4.*

   Response: Agree with Clarification.

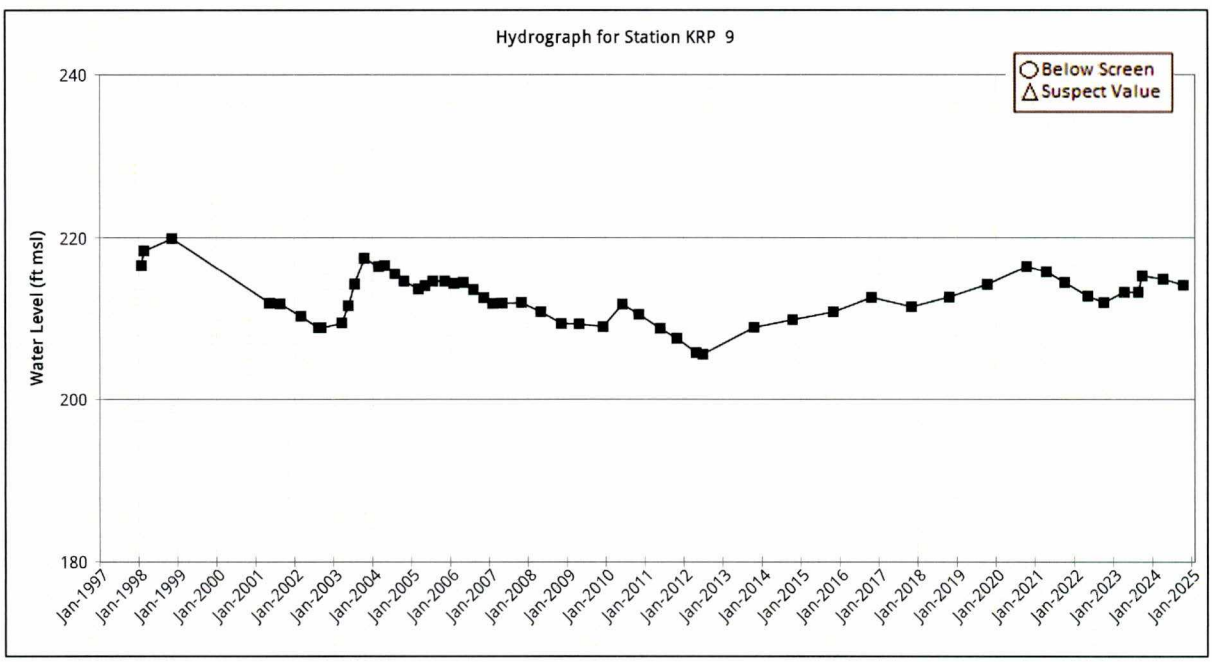
   In future reports SRS will ensure all text/data in the tables are legible. Updated figures are provided in Figures CR-3 and 4 below.

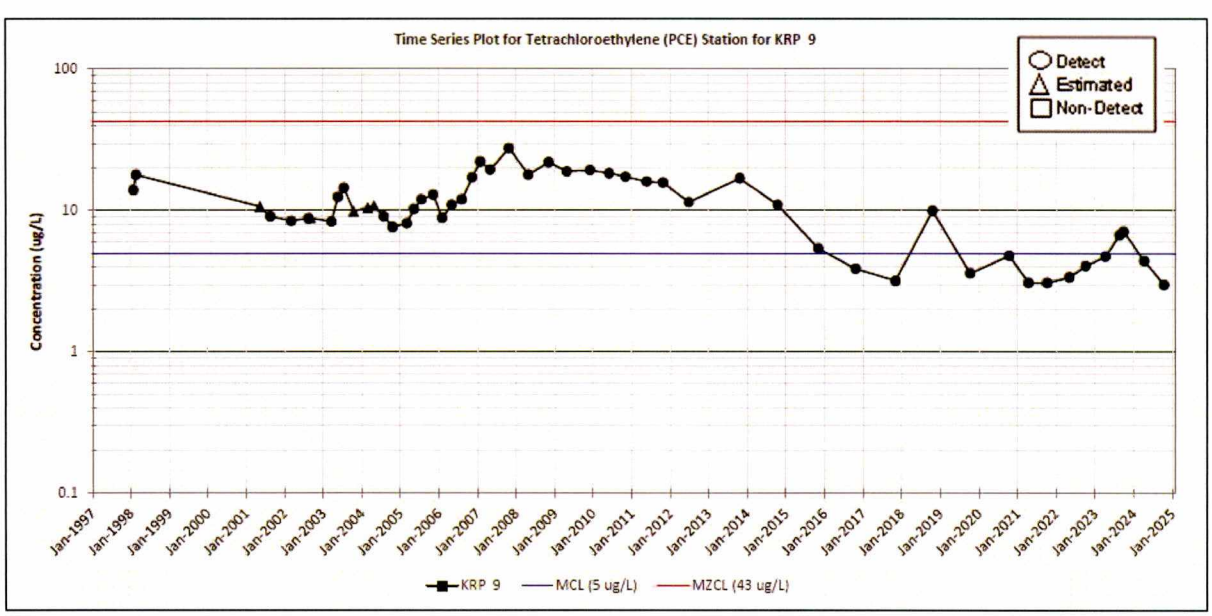
   No change to the current document is proposed.

   Responsible Party: Justin Steadman, (803) 952-7346, justin.steadman@srs.gov

SRS Responses to USEPA on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary), SEMS Numbers: 40 and 59, SRNS-J2000-2025-00410, Revision 0, Dated June 2025
Savannah River Site, Aiken, South Carolina

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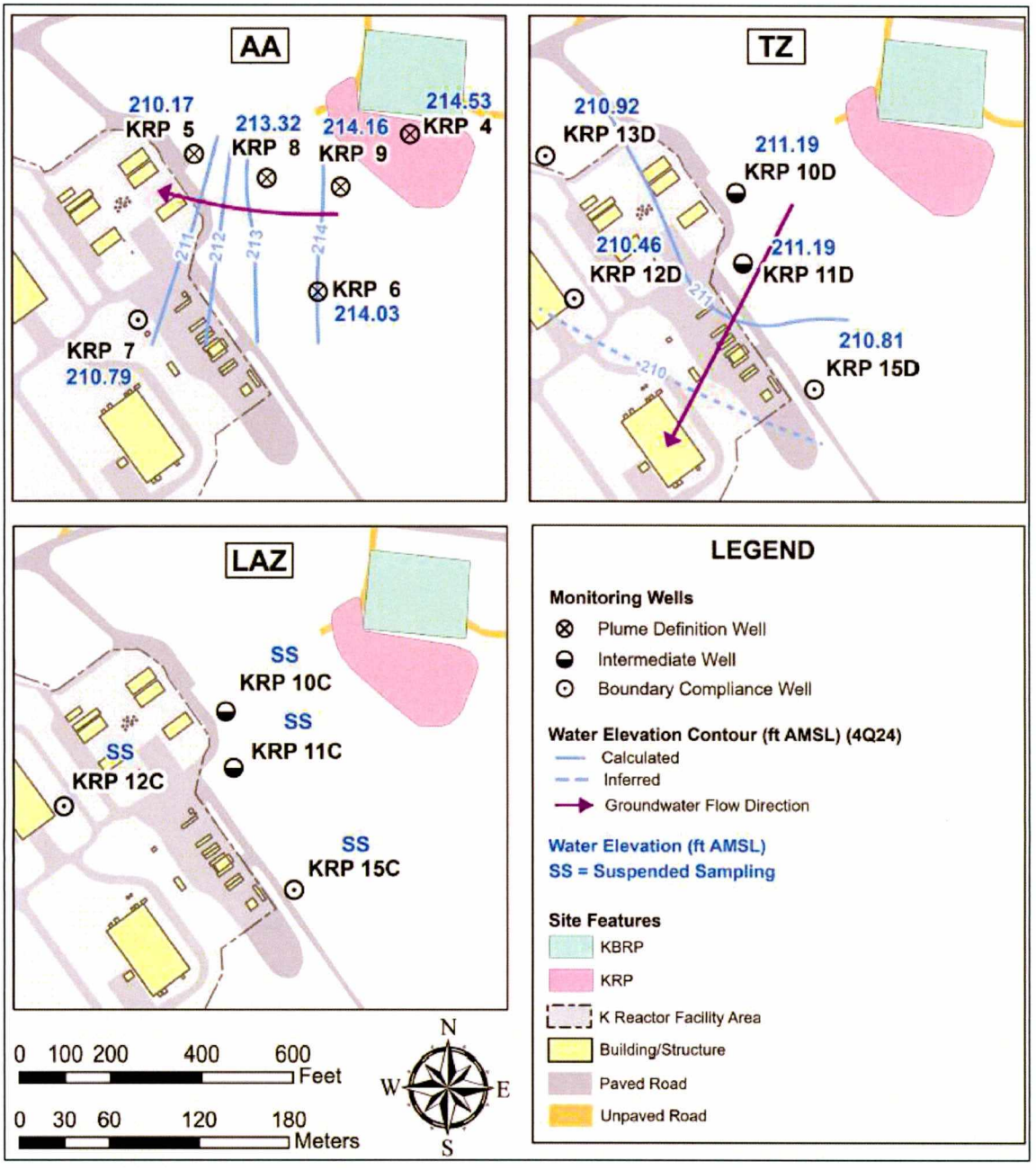




CR 1. Hydrograph and Time Series Plot of KRP 9

SRS Responses to USEPA on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary), SEMS Numbers: 40 and 59, SRNS-J2000-2025-00410, Revision 0, Dated June 2025
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CR 2. Potentiometric surface for the KBRP OU

2024 KBRP OU Monitoring Data			Field Data															KBRP Constituents of Concern							
																		Analytical Data							
			SAMPLE COLLECTION DATE	DEPTH TO WATER	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	FLOW RATE	AIR TEMPERATURE	WATER TEMPERATURE	PH	SPECIFIC CONDUCTANCE	TURBIDITY	PHENOLPHTHALEIN ALKALINITY (AS CACO3)	TOTAL ALKALINITY (AS CACO3)	FIELD CONDITIONS	SAMPLE TYPE	Constituent	1,1-DICHLOROETHYLENE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)
			day-month-year	ft	ft	day-month-year	ft	gal/min	degC	degC	pH	uS/cm	NTU	mg/L	mg/L			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Station	Well Use	Aquifer Zone											15					MCL (MZCL)	7	2	70	5 (43)	100	5 (61)
KRP 4	Plume Definition Well	AA_UAZ_UTRAU	06-Nov-2024	48.31	214.53	NS	NS	1	23	20.6	5.7	57	4.1	0	5	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	0.502J	<EQL (1)	<EQL (1)
KRP 5	Plume Definition Well	AA_UAZ_UTRAU	06-Nov-2024	57.93	210.17	NS	NS	0.4	21	20.5	6.2	214	1.7	0	93	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1.2)	<EQL (1)	<EQL (1)
KRP 6	Plume Definition Well	AA_UAZ_UTRAU	06-Nov-2024	56.27	214.03	NS	NS	NS	22	20.3	5.6	81	5.5	0	0	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1.2)	<EQL (1)	<EQL (1)
KRP 8	Plume Definition Well	AA_UAZ_UTRAU	06-Nov-2024	54.25	213.32	NS	NS	0.1	21	19.5	5.5	29	2	0	0	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	1.62	<EQL (1)	0.405J
KRP 9	Plume Definition Well	AA_UAZ_UTRAU	02-May-2024	53.46	214.91	NS	NS	0.1	22	18.7	6	131	1	0	40	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	4.41	<EQL (1)	2.32
			06-Nov-2024	54.21	214.16	NS	NS	0.1	24	19.3	5.6	114	14.2	0	41	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	2.99	<EQL (1)	1.48
KRP 7	Boundary Compliance	AA_UAZ_UTRAU	06-Nov-2024	59.77	210.79	NS	NS	0.2	22	22	6	29	4.8	0	3.5	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1.2)	<EQL (1)	<EQL (1)
			06-Nov-2024	59.77	210.79	NS	NS	0.2	22	22	6	29	4.8	0	3.5	No Comments	FD		<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1.2)	<EQL (1)	<EQL (1)
KRP 10C	Intermediate	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Concentration	NS	NS	NS	NS	NS	NS
KRP 10D	Intermediate	TZ_UAZ_UTRAU	06-Nov-2024	57.21	211.19	NS	NS	0.5	20	20.7	5.7	23	2.5	0	5	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1.2)	<EQL (1)	<EQL (1)
KRP 11C	Intermediate	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
KRP 11D	Intermediate	TZ_UAZ_UTRAU	06-Nov-2024	59.21	211.19	NS	NS	0.5	20	21.3	6.1	19	2.7	0	5	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1.2)	<EQL (1)	<EQL (1)
KRP 12C	Boundary Compliance	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS
KRP 12D	Boundary Compliance	TZ_UAZ_UTRAU	07-Nov-2024	59.34	NS	07-Nov-2024	210.46	NS	NS	NS	NS	NS	NS	NS	NS	No Comments			NS	NS	NS	NS	NS	NS
KRP 13D	Boundary Compliance	TZ_UAZ_UTRAU	07-Nov-2024	57.98	NS	07-Nov-2024	210.92	NS	NS	NS	NS	NS	NS	NS	NS	No Comments			NS	NS	NS	NS	NS	NS
KRP 15C	Boundary Compliance	LAZ_UTRAU	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
KRP 15D	Boundary Compliance	TZ_UAZ_UTRAU	07-Nov-2024	59.42	NS	07-Nov-2024	210.81	NS	NS	NS	NS	NS	NS	NS	NS	No Comments			NS	NS	NS	NS	NS	NS

Explanation

[##]	EPA Functional Guideline Code of "J" was applied to the result, indicating an estimated quantity.
<EQL(##)	Constituent was below detection. The sample-specific Estimated Quantitation Limit is in parentheses.
	Result exceeds applicable limit.
REJ	Result Rejected.
	Result is less than the applicable limit and without EPA Functional Guidline qualifiers.
NS	Requested to be sampled but was not. See comments as to why not.
Blue Text	Not a required sample analysis.
REG	Regular Sample
FD	Field Duplicate

CR 3. Table 2, Second and Fourth Quarters 2024 KBRP OU Monitoring Well Data

SRS Responses to USEPA on the K-Area Burning/Rubble Pit and Rubble Pile (131-K and 631-20G) (KBRP) and P-Area Burning/Rubble Pit (131-P) (PBRP) Operable Units Combined Groundwater Monitoring Report (Sampling Summary), SEMS Numbers: 40 and 59, SRNS-J2000-2025-00410, Revision 0, Dated June 2025
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2025 PBRP OU Groundwater Monitoring Data			Field Data																	PBRP Constituents of Concern								
																				Analytical Data								
			SAMPLE COLLECTION DATE	DEPTH TO WATER	SAMPLING EVENT WATER ELEVATION	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	FLOW RATE	WATER TEMPERATURE	AIR TEMPERATURE	OXYGEN	OXIDATION REDUCTION POTENTIAL	PH	SPECIFIC CONDUCTANCE	TURBIDITY	PHENOLPHTHALEIN ALKALINITY (AS CACO3)	TOTAL ALKALINITY (AS CACO3)	FIELD CONDITIONS	SAMPLE TYPE	Constituent	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHYLENE	1,4-DIOXANE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRICHLOROETHYLENE (TCE)
			day-month-year	ft	ft	day-month-year	ft	gal/min	degC	degC	mg/L	mV	pH	uS/cm	NTU	mg/L	mg/L			Unit	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Station	Well Use	Aquifer Zone																		GWPS	200	7	0.46	2	70	5	5
PRP 5	Background Well	UAZ_UTRAU	21-Apr-2025	30.85	256.91	07-Jan-2025	257.06	0.5	19	14	2.14	263	5.3	28.5	0.9	0	10	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)
																		No Comments	REG				<EQL (0.2)					
PGW014DU	Plume Definition Well	UAZ_UTRAU	07-Jan-2025	35.18	NS	07-Jan-2025	242.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	NS		NS	NS	NS	NS	NS	NS	NS
PRP 1A	Plume Definition Well	UAZ_UTRAU	07-Jan-2025	37.04	NS	07-Jan-2025	247.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	NS		NS	NS	NS	NS	NS	NS	NS
PRP 2	Plume Definition Well	UAZ_UTRAU	07-Jan-2025	31.52	NS	07-Jan-2025	255.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	NS		NS	NS	NS	NS	NS	NS	NS
PRP 6	Plume Definition Well	AA_UAZ_UTRAU	21-Apr-2025	31.79	250.08	07-Jan-2025	250.47	0.5	19.5	14	2.19	282	5	51.5	0.9	0	9	No Comments	REG		<EQL (1)	3.33	2.75	<EQL (1)	[0.39]	[0.43]	1.97
																		No Comments	REG				3.51					
			21-Apr-2025	31.79	250.08	07-Jan-2025	250.47	0.5	19.5	14	2.19	282	5	51.5	0.9	0	9	No Comments	FD		<EQL (1)	3.58	3.42	<EQL (1)	[0.44]	[0.34]	1.93
																		No Comments	FD				3.76					
PRP 7	Plume Definition Well	UAZ_UTRAU	21-Apr-2025	41.23	240.76	07-Jan-2025	240.89	0.5	19.9	14	2.21	286	5.2	39.5	3.4	0	15	No Comments	REG		<EQL (1)	1.82	3.56	<EQL (1)	[0.81]	1.18	1.39
																		No Comments	REG				3.21					
PSC002D1	Plume Definition Well	UAZ_UTRAU	07-Jan-2025	3.31	NS	07-Jan-2025	235.72	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	NS		NS	NS	NS	NS	NS	NS	NS
PSC-007-D1	Plume Definition Well	UAZ_UTRAU	21-Apr-2025	4.37	231.93	07-Jan-2025	231.6	0.2	17.5	17	5.62	282	4.7	29	1.8	0	0	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)
																		No Comments	REG				<EQL (0.2)					
PSC-007-D2	Plume Definition Well	UAZ_UTRAU	21-Apr-2025	4.31	231.99	07-Jan-2025	231.97	0.2	17.9	17	4.88	251	5.4	27	2.1	0	8	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)
																		No Comments	REG				<EQL (0.2)					
PSC-008-D1	Plume Definition Well	UAZ_UTRAU	21-Apr-2025	3.82	231.58	07-Jan-2025	231.83	0.2	18.1	16	5.44	262	5.3	67	5.8	0	12	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)
																		No Comments	REG				<EQL (0.2)					
PSC-008-D2	Plume Definition Well	UAZ_UTRAU	21-Apr-2025	3.77	231.63	07-Jan-2025	231.56	0.2	18.4	16	4.47	326	6	69	6.8	0	16	No Comments	REG		<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)
																		No Comments	REG				<EQL (0.2)					
SC-02	Surface Water	TZ_UAZ_UTRAU	04-Feb-2025	NS	NS	NS	NS	0.057	10.8	12	NS	NS	8.6	51	1.8	0	68	No Comments	REG		NS	<EQL (1)	<EQL (0.2)	NS	NS	NS	<EQL (1)
																		No Comments	REG				<EQL (0.2)					
SC-03	Surface Water	TZ_UAZ_UTRAU	04-Feb-2025	NS	NS	NS	NS	0.073	13.5	13	NS	NS	7.3	37	10.8	0	23	No Comments	REG		NS	<EQL (1)	[0.0446]	NS	NS	NS	12.5
																		No Comments	REG				<EQL (0.2)					
			04-Feb-2025	NS	NS	NS	NS	0.073	13.5	13	NS	NS	7.3	37	10.8	0	23	No Comments	FD			<EQL (1)	<EQL (0.2)	NA	NA	NA	13.1
																		No Comments	FD				<EQL (0.2)					
SC-04	Surface Water	TZ_UAZ_UTRAU	04-Feb-2025	NS	NS	NS	NS	0.942	14.6	15	NS	NS	4.2	36	1.7	0	0	No Comments	REG		NS	<EQL (1)	<EQL (0.2)	NS	NS	NS	1.41
																		No Comments	REG				<EQL (0.2)					

Explanation

[#J]	EPA Functional Guideline Code of 'J' was applied to the result, indicating an estimated quantity.
<EQL(##)	Constituent was below detection. The sample-specific Estimated Quantitation Limit is in parentheses.
	Result exceeds applicable limit.
REJ	Result Rejected.
	Result is less than the applicable limit and without EPA Functional Guidline qualifiers.
NS	Requested to be sampled but was not. See comments as to why not.
Blue Text	Not a required sample analysis.
FD	Field Duplicate
REG	Regular Sample

CR 4. Table 4, First Quarter 2025 PBRP OU Groundwater Data