



Department of Energy
Savannah River Operations Office
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AUG 25 2022

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

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

Dear Ms. Fulmer and Mr. Richards:

SUBJECT: Biennial Effectiveness Monitoring Report (Sampling Summary) for the Monitored Natural Attenuation at the L-Area Southern Groundwater Operable Unit, 2020 through 2021, SEMS Number: 77

Reference: *Addendum to the Monitored Natural Attenuation Effectiveness Monitoring Plan for the L-Area Southern Groundwater Operable Unit (NBN)(U), CERCLIS Number: 77 (SRNS-RP-2012-00857, Revision 1, May 2013)*

In accordance with the terms of the Federal Facility Agreement, the U. S. Department of Energy (DOE) is submitting the groundwater effectiveness monitoring report (EMR), a sampling summary, for your review. Per the referenced addendum, after 2012, sampling results will be presented in EMRs issued every four (4) years, with a two (2) year data sampling summary in letter format submitted in-between the four (4) year EMRs. This is the third abbreviated EMR (sampling summary) to be submitted since the addendum to the effectiveness monitoring plan was implemented. This letter is transmitting the 2020 through 2021 sampling summary, *Biennial Effectiveness Monitoring Report (Sampling Summary) for the Monitored Natural Attenuation at the L-Area Southern Groundwater Operable Unit, 2020 through 2021*.

Please review the information and provide any comments that you may have within 120 days of receipt. The effort and time that the South Carolina Department of Health and Environmental Control and the U. S. Environmental Protection Agency have given on the subject operable unit are greatly appreciated.

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Mr. Jon Richards

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Questions from you or your staff may be directed to me at (803) 952-8365, or DOE Program Manager, Mr. Philip Prater, at (803) 952-9333.

Sincerely,

Brian T. Hennessey

Digitally signed by Brian T.
Hennessey

Date: 2022.08.22 10:05:24 -04'00'

Brian T. Hennessey
SRS Remedial Project Manager
Infrastructure and Area Completion Division

IACD-22-172

cc:

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Biennial Effectiveness Monitoring Report (Sampling Summary) for the Monitored Natural Attenuation at the L-Area Southern Groundwater Operable Unit 2020 through 2021

Introduction

Sampling optimizations that were developed and approved in the *Biennial Effectiveness Monitoring Report (EMR) for Monitored Natural Attenuation (MNA) at the L-Area Southern Groundwater (LASG) Operable Unit (OU) (U)* (SRNS-RP-2012-00169, Revision 1, December 2012) started in the fourth quarter (4Q) of 2012. Key source zone (KSZ) monitoring wells, plume wells that exceed volatile organic compound (VOC) maximum contaminant levels (MCLs), and surface water stations are sampled annually. All Land Use Control (LUC) boundary wells and plume wells not exceeding VOC MCLs are sampled biennially instead of annually, as agreed upon by the United States Department of Energy, United States Environmental Protection Agency, and the South Carolina Department of Health and Environmental Control (Core Team). In conjunction, full EMR reports are produced every four (4) years with a supplemental data summary in letter format submitted at the two (2) year point in-between the EMRs. These sampling optimizations were documented additionally in the approved *Addendum to the Monitored Natural Attenuation Effectiveness Monitoring Plan for the L-Area Southern Groundwater Operable Unit (NBN) (U)* (SRNS-RP-2012-00857, Revision 1, May 2013). This sampling summary letter is the third submitted since the optimizations were implemented and covers data collected during 2020 and 2021.

This sampling summary also reports data collected every five years for L-Area Oil and Chemical Basin (LAOCB) and the L-Area Reactor Seepage Basin (LRSB) performance monitoring. The *Fourth Five-Year Remedy Review Report for the Savannah River Site* (SRNS-RP-2012-00011, Revision 1.1, November 2013), identified that performance monitoring of these two units should be performed with the L-Area Southern Groundwater (LASG) Operable Unit (OU) sampling. Sampling for these units was added to the approved LASG Effectiveness Monitoring Plan Addendum (SRNS-RP-2012-00857, Revision 1, May 2013) and was last conducted in 4Q 2020.

LASG Tritium

Annual sampling during even years (i.e., 2020) was conducted at KSZ monitoring wells, all surface water stations, and at wells that had VOC MCL exceedances in the previous sampling event (LSW 25DL and LSW030DL). In odd years (i.e., 2021), sampling for tritium was done at all monitoring wells and surface water stations. Table 1 lists the results, while Figure 1 displays the 4Q 2021 tritium results and plumes. Figure 1 also includes the previous plume coverage from 2009 for comparison. All three of the tritium plumes have significantly decreased in size since 2009. All concentrations at KSZ monitoring wells were below well-specific KSZ concentration limits as well as the MCL (20 picocuries per milliliter [pCi/mL]) during both 2020 and 2021. All LUC boundary well results were below the MCL. Tritium exceeded MCLs at four groundwater monitoring wells during the 2020 and 2021 sampling events. The highest concentration of tritium in groundwater was at well LSW 25DL with a concentration of 417 pCi/mL in 2020. Concentrations slightly decreased to 405 pCi/mL in 2021. All monitoring wells display decreasing concentration trends for at least the last 10 years if not for all the monitoring history.

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L-Lake surface water tritium concentrations are consistent with previous year's results. Surface water station SC 20, located upgradient of the tritium plume sources where Steel Creek enters L-Lake, displayed the highest surface water concentration of 3.76 pCi/mL, far below the MCL. Surface water stations located downgradient of the groundwater plumes remain below MCLs and display decreasing concentrations. This includes surface water station SC 27 located to the south just below the L-Lake dam which provides an understanding of the concentration of tritium into Steel Creek after discharge from L-Lake. Tritium concentrations have dropped to 2.23 pCi/mL at SC 27 and continue to demonstrate steadily decreasing tritium concentrations below the MCL over its entire monitoring period since 2005. These results indicate that the LASG OU MNA remedial action is effective and is performing as expected.

LASG Tetrachloroethylene and Trichloroethylene

Even years (i.e., 2020) consisted of annual sampling at KSZ monitoring wells, all surface water stations, and at wells that had VOC MCL exceedances in the previous sampling event (LSW 25DL and LSW030DL). In odd years (i.e., 2021), all surface water stations and all monitoring wells in the southeast and southwest plume and well LSW029DL were sampled annually for tetrachloroethylene (PCE) and trichloroethylene (TCE) as agreed to by the Core Team. Table 1 lists the results, while Figure 2 displays the 4Q 2021 PCE concentrations and plume. Figure 2 also includes the previous plume coverage from 2009 for comparison. The PCE plumes have significantly decreased in size since 2009.

PCE exceeded the 5 micrograms per liter ($\mu\text{g/L}$) MCL at two wells during the 2020 and 2021 sampling events. The highest concentration in groundwater was at well LSW 25DL, with a concentration of 65.8 $\mu\text{g/L}$ in 2021. Concentrations in this well remain steady as it is located downgradient of the source area and within the plume migration path towards L-Lake. Concentrations at well LSW026DL to the west of LSW 25DL have been below MCLs over the past five years. Concentrations further west at LSW029DL continue to be non-detect for any VOC.

TCE concentrations are much less than the concentrations of PCE at the LASG OU. TCE did not exceed the MCL of 5 $\mu\text{g/L}$ at any monitoring well during 2020 or 2021. The maximum TCE concentration was 2.94 $\mu\text{g/L}$ at well LSW030DL. All KSZ monitoring well concentrations were below well-specific KSZ concentration limits as well as MCLs during both 2020 and 2021. All LUC boundary well results were non-detect for both PCE and TCE.

L-Lake surface water PCE and TCE concentrations are consistent with the previous year's results as all stations were non-detect during 2020 and 2021. In the future, if PCE concentrations at well LSW026DL become higher than concentrations at LSW 25DL and LSW030DL, an additional surface water sample location in L-Lake will be collected at the powerline road crossing located south of station LSW026DL. Currently, concentrations at LSW 25DL continue to be greater than concentrations at LSW026DL; therefore, no additional surface water samples are needed and will not be collected. These results indicate that the LASG OU remedial action is performing as expected.

LAOCB Performance Monitoring

Performance monitoring of the LAOCB remedial action for potential contaminant migration constituents (carbon-14, cobalt-60, gross-alpha, non-volatile beta, strontium-90, and tritium) was conducted during 4Q 2020 at two (2) wells, LCO 2DL and LCO 6DL (Figure 3), as agreed to by the Core Team per the approved

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Addendum to the Monitored Natural Attenuation Effectiveness Monitoring Plan for the L-Area Southern Groundwater Operable Unit (NBN)(U) (SRNS-RP-2012-00857, Revision 1, May 2013). Monitoring these constituents once every five (5) years verifies that the in-situ stabilization and capping of the LAOCB is preventing contaminant migration to groundwater and is conducted for the five-year remedy review for the LAOCB. Results are provided in Table 2 and were provided in the *Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems* (SRNS-RP-2021-04229, Revision 0, December 2021).

All analytes were below detection or MCLs. Carbon-14 was the only constituent detected at non-estimated concentrations. Carbon-14 was not detected at LCO 2 and was detected at 358 picocuries per liter (pCi/L) at LCO 6. Concentrations at LCO 6 are far below the MCL of 2,000 pCi/L and are consistent with previous results. Uranium isotopes were not analyzed because the gross-alpha trigger limit of 15 pCi/L was not exceeded. These results indicate that the LAOCB remedial action is effective and is performing as expected. To align with the schedule for the LAOCB five-year remedy review, future sampling will occur in 2025, 2030, etc. The next Five-Year Remedy Review Report that includes the LAOCB will be submitted in 2026 and will include the 2025 sampling results.

LRSB Performance Monitoring

Performance monitoring of the LRSB remedial action for potential contaminant migration constituent strontium-90 was conducted during 4Q 2020 at well LSB 4 (Figure 3), as agreed to between the Core Team per the approved *Addendum to the Monitored Natural Attenuation Effectiveness Monitoring Plan for the L-Area Southern Groundwater Operable Unit (NBN)(U)* (SRNS-RP-2012-00857, Revision 1, May 2013). Monitoring of strontium-90 once every five (5) years verifies the in-situ stabilization and soil cover of the LRSB is preventing contaminant migration to groundwater and is conducted for the Five-Year Remedy Review Report for the LRSB. Results are provided in Table 2 and were provided in the *Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems* (SRNS-RP-2021-04229, Revision 0, December 2021). Strontium-90 was not detected in the groundwater at LSB 4; therefore, the remedial action is effective and is performing as expected. To align with the schedule for the LRSB five-year remedy review, future sampling will occur during the years 2025, 2030, etc. The next Five-Year Remedy Review Report that includes the LRSB will be submitted in 2026 and will include the 2025 sampling results.

Future Sampling and Reporting

No changes are proposed for the sampling and analysis for LASG OU; therefore, it will continue as previously agreed to by the Core Team per the approved *Addendum to the Monitored Natural Attenuation Effectiveness Monitoring Plan for the L-Area Southern Groundwater Operable Unit (NBN)(U)* (SRNS-RP-2012-00857, Revision 1, May 2013). The reduced sampling (KSZ wells, wells exceeding VOC MCLs, and surface water stations) will occur in 2022. All wells and surface water stations will be sampled in 2023. The five-year sampling for the LAOCB and LRSB performance monitoring will next be conducted in 2025. If any exceedances associated with the LAOCB or LRSB Performance Monitoring are detected, a confirmation sample will be collected within 30 days of receipt of the data. If the confirmation sample also exceeds MCLs, the Core Team will meet to discuss the results and determine what follow-up action is required. A full EMR report for the LASG OU will be submitted in 2024.

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Table 1: LASG MNA Monitoring Results (2020 through 2021)

L-Area Southern Groundwater MNA Monitoring Results, 2020 and 2021				Field Data		Tritium		VOC's				
				SAMPLE COLLECTION DATE	Constituent	FIELD CONDITIONS	TRITIUM	Well Specific KSZCL for Tritium	TETRACHLOROETHYLENE (PCE)	Well Specific KSZCL for Tetrachloroethylene	TRICHLOROETHYLENE (TCE)	Well Specific KSZCL for Trichloroethylene
Station	Well Use	Secondary Well Use	Aquifer Zone	day-month-year	Unit		pCi/L	pCi/L	ug/L	ug/L	ug/L	ug/L
					MCL		20		5	5		
LAC 8DL	Southeast	KSZ	UAZ UTRAU	18-Oct-2020			3.62	102.75	1.9	90	<EQL (1)	31.5
LAC 8DL	Southeast	KSZ	UAZ UTRAU	19-Oct-2021			3.04	102.75	1.94	90	[0.289]	31.5
LSB 4	Southeast	KSZ	UAZ UTRAU	12-Oct-2020			<EQL (0.935)	137.7	<EQL (1)	NA	<EQL (1)	NA
LSB 4	Southeast	KSZ	UAZ UTRAU	18-Oct-2021			<EQL (1.09)	137.7	<EQL (1)	NA	<EQL (1)	NA
LSW 2DL	Southeast		UAZ UTRAU	NS			NS		NS		NS	
LSW 2DL	Southeast		UAZ UTRAU	18-Oct-2021			12.8		1.05		<EQL (1)	
LSW002AR	Southeast		GAU	12-Oct-2020			<EQL (0.942)		<EQL (1)		<EQL (1)	
LSW002AR	Southeast		GAU	18-Oct-2021			<EQL (1.1)		<EQL (1)		<EQL (1)	
LSW031DL	Southeast		UAZ UTRAU	NS			NS		NS		NS	
LSW031DL	Southeast		UAZ UTRAU	19-Oct-2021			194		1.43		<EQL (1)	
LSW032DL	Southeast	LUC Bndry	UAZ UTRAU	NS			NS		NS		NS	
LSW032DL	Southeast	LUC Bndry	UAZ UTRAU	19-Oct-2021			<EQL (1.11)		<EQL (1)		<EQL (1)	
LAW 2C	Southwest		UAZ UTRAU	NS			NS		NS		NS	
LAW 2C	Southwest		UAZ UTRAU	18-Oct-2021			9.85		<EQL (1)		<EQL (1)	
LDB 3	Southwest	KSZ	UAZ UTRAU	10-Mar-2021		Non-LASG Sampling	1.37	282	NS	NA	NS	NA
LDB 3	Southwest	KSZ	UAZ UTRAU	09-Jun-2020		Non-LASG Sampling	<EQL (0.916)	282	NS	NA	NS	NA
LDB 3	Southwest	KSZ	UAZ UTRAU	03-Sep-2020		Non-LASG Sampling	<EQL (0.916)	282	NS	NA	NS	NA
LDB 3	Southwest	KSZ	UAZ UTRAU	12-Oct-2020			2.32	282	<EQL (1)	NA	<EQL (1)	NA
LDB 3	Southwest	KSZ	UAZ UTRAU	03-Jun-2021		Non-LASG Sampling	[0.678]	282	NS	NA	NS	NA
LDB 3	Southwest	KSZ	UAZ UTRAU	07-Sep-2021		Non-LASG Sampling	1.51	282	NS	NA	NS	NA
LDB 3	Southwest	KSZ	UAZ UTRAU	18-Oct-2021			8.2	282	<EQL (1)	NA	<EQL (1)	NA
LSP 8DU	Southwest		UAZ UTRAU	NS			NS		NS		NS	
LSP 8DU	Southwest		UAZ UTRAU	18-Oct-2021			<EQL (1.08)		<EQL (1)		<EQL (1)	
LSW 24A	Southwest		GAU	NS			NS		NS		NS	
LSW 24A	Southwest		GAU	18-Oct-2021			<EQL (1.11)		<EQL (1)		<EQL (1)	
LSW 25DL	Southwest		UAZ UTRAU	14-Oct-2020			417		48		[0.44]	
LSW 25DL	Southwest		UAZ UTRAU	18-Oct-2021			405		65.8		[0.391]	
LSW026DL	Southwest		UAZ UTRAU	NS			NS		NS		NS	
LSW026DL	Southwest		UAZ UTRAU	18-Oct-2021			1.74		4.11		<EQL (1)	

- KSZCL = 'Key Source Zone Concentration Limit' which is equivalent to 150% of maximum value observed for KSZ monitoring wells between 2005 and 2007 monitoring period.
- [##] 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 the KSZCL for KSZ wells, or exceeds the MCL for surface water locations
- Result is between the MCL and the KSZCL for KSZ wells, and exceeds the MCL for all other wells.
- Result is less than the applicable limit and without EPA Functional Guideline qualifiers.
- Blue Text Not a required sample analysis.

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Table 1: LASG MNA Monitoring Results (2020 through 2021) (continued)

L-Area Southern Groundwater MNA Monitoring Results, 2020 and 2021				Field Data		Tritium		VOCs				
				SAMPLE COLLECTION DATE	Consitent	FIELD CONDITIONS	TRITIUM	Well Specific KSZCL for Tritium	TETRACHLOROETHYLENE (PCE)	Well Specific KSZCL for Tetrachloroethylene	TRICHLOROETHYLENE (TCE)	Well Specific KSZCL for Trichloroethylene
Station	Well Use	Secondary Well Use	Aquifer Zone	MCL		20		5		5		
LSW030DL	Southwest		UAZ_UTRAU		12-Oct-2020	21.9		8.9		2.3		
LSW030DL	Southwest		UAZ_UTRAU		19-Oct-2021	18		13.3		2.94		
LSW_8C	Western		LAZ_UTRAU		NS	NS		NS		NS		
LSW_8C	Western		LAZ_UTRAU		18-Oct-2021	10.9		NS		NS		
LSW_8DL	Western		UAZ_UTRAU		NS	NS		NS		NS		
LSW_8DL	Western		UAZ_UTRAU		18-Oct-2021	7.86		NS		NS		
LSW_9C	Western		LAZ_UTRAU		NS	NS		NS		NS		
LSW_9C	Western		LAZ_UTRAU		18-Oct-2021	12.2		NS		NS		
LSW_9DL	Western		UAZ_UTRAU		NS	NS		NS		NS		
LSW_9DL	Western		UAZ_UTRAU		18-Oct-2021	27.9		NS		NS		
LSW12DL	Western	LUC Bndry	UAZ_UTRAU		NS	NS		NS		NS		
LSW12DL	Western	LUC Bndry	UAZ_UTRAU		18-Oct-2021	<EQL (1.08)		NS		NS		
LSW12C	Western	LUC Bndry	LAZ_UTRAU		NS	NS		NS		NS		
LSW12C	Western	LUC Bndry	LAZ_UTRAU		18-Oct-2021	[1.07]		NS		NS		
LSW14DL	Western		UAZ_UTRAU		NS	NS		NS		NS		
LSW14DL	Western		UAZ_UTRAU		18-Oct-2021	2.96		NS		NS		
LSW14C	Western		LAZ_UTRAU		NS	NS		NS		NS		
LSW14C	Western		LAZ_UTRAU		18-Oct-2021	5.47		NS		NS		
LSW014A	Western		GAU		NS	NS		NS		NS		
LSW014A	Western		GAU		18-Oct-2021	<EQL (1.08)		NS		NS		
LSW027C	Western	LUC Bndry	LAZ_UTRAU		NS	NS		NS		NS		
LSW027C	Western	LUC Bndry	LAZ_UTRAU		18-Oct-2021	<EQL (1.09)		NS		NS		
LSW027A	Western	LUC Bndry	GAU		NS	NS		NS		NS		
LSW027A	Western	LUC Bndry	GAU		18-Oct-2021	<EQL (1.08)		NS		NS		
LSW028C	Western		LAZ_UTRAU		NS	NS		NS		NS		
LSW028C	Western		LAZ_UTRAU		19-Oct-2021	4.13		NS		NS		
LSW029DL	Western		UAZ_UTRAU		NS	NS		NS		NS		
LSW029DL	Western		UAZ_UTRAU		19-Oct-2021	4.11		<EQL (1)		<EQL (1)		

	KSZCL = 'Key Source Zone Concentration Limit' which is equivalent to 150% of maximum value observed for KSZ monitoring wells between 2005 and 2007 monitoring period.
[##]	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 the KSZCL for KSZ wells, or exceeds the MCL for surface water locations
	Result is between the MCL and the KSZCL for KSZ wells, and exceeds the MCL for all other wells.
	Result is less than the applicable limit and without EPA Functional Guideline qualifiers.
Blue Text	Not a required sample analysis.

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Table 1: LASG MNA Monitoring Results (2020 through 2021) (continued/end)

L-Area Southern Groundwater MNA Monitoring Results, 2020 and 2021				Field Data		Tritium		VOCs				
				SAMPLE COLLECTION DATE	Constituent	FIELD CONDITIONS	TRITIUM	Well Specific KSZCL for Tritium	TETRACHLOROETHYLENE (PCE)	Well Specific KSZCL for Tetrachloroethylene	TRICHLOROETHYLENE (TCE)	Well Specific KSZCL for Trichloroethylene
Station	Well Use	Secondary Well Use	Aquifer Zone	MCL	20	5	5	5	5			
SC20	Surface Water				14-Oct-2020		3.76		<EQL (1)		<EQL (1)	
SC20	Surface Water				19-Oct-2021		5		<EQL (1)		<EQL (1)	
SC23	Surface Water				14-Oct-2020		2.78		<EQL (1)		<EQL (1)	
SC23	Surface Water				26-Oct-2021		3.29		<EQL (1)		<EQL (1)	
SC24	Surface Water				14-Oct-2020		2.92		<EQL (1)		<EQL (1)	
SC24	Surface Water				26-Oct-2021		2.49		<EQL (1)		<EQL (1)	
SC25	Surface Water				14-Oct-2020		2.3		<EQL (1)		<EQL (1)	
SC25	Surface Water				26-Oct-2021		2.64		<EQL (1)		<EQL (1)	
SC27	Surface Water				14-Oct-2020		2.53		<EQL (1)		<EQL (1)	
SC27	Surface Water				19-Oct-2021		2.23		<EQL (1)		<EQL (1)	

- KSZCL = 'Key Source Zone Concentration Limit' which is equivalent to 150% of maximum value observed for KSZ monitoring wells between 2005 and 2007 monitoring period.
- ## 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 the KSZCL for KSZ wells, or exceeds the MCL for surface water locations
- Result is between the MCL and the KSZCL for KSZ wells, and exceeds the MCL for all other wells.
- Result is less than the applicable limit and without EPA Functional Guideline qualifiers.
- Blue Text Not a required sample analysis.

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Table 2: LAOCB and LRSB Performance Monitoring Results (4Q2020)

LAOCB Results

	CARBON-14 (pCi/L)	COBALT-60 (pCi/L)	GROSS ALPHA (pCi/L)	NONVOLATILE BETA (pCi/L)	STRONTIUM-90 (pCi/L)	TRITIUM (pCi/mL)
MCL	2,000	100	15	50	8	20
LCO 2DL (10/13/2020)	4.6 U	-3.17 U	3.49 J	1.66 U	0.633 U	0.155 U
LCO 6DL (10/12/2020)	358	0.239 U	2.31 U	1.02 U	0.939 U	0.78 J
LCO 6DL Lab Dup	NA	NA	NA	NA	0.124 U	0.871 J

LRSB Results - 10/12/2020

LSB 4	NA	NA	NA	NA	0.971 U	NA
LSB 4 Lab Dup	NA	NA	NA	NA	-1.26 U	NA

U - Non Detect
J - Estimated Value
Detection without a qualifier
Exceeds MCL/Preliminary Remediation Goal

NA = not analyzed

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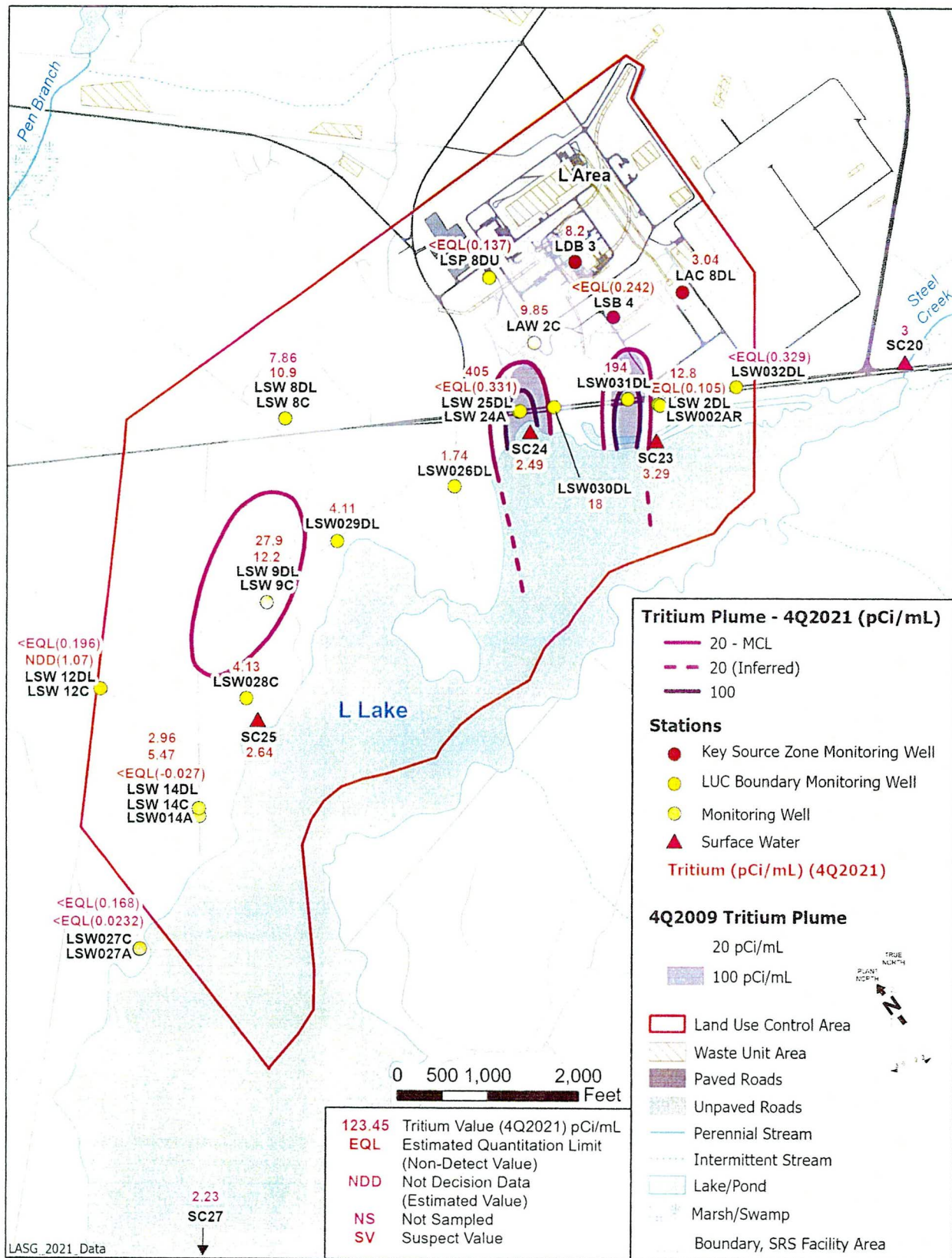


Figure 1: 4Q 2021 Tritium Concentrations and Plume at LASG OU

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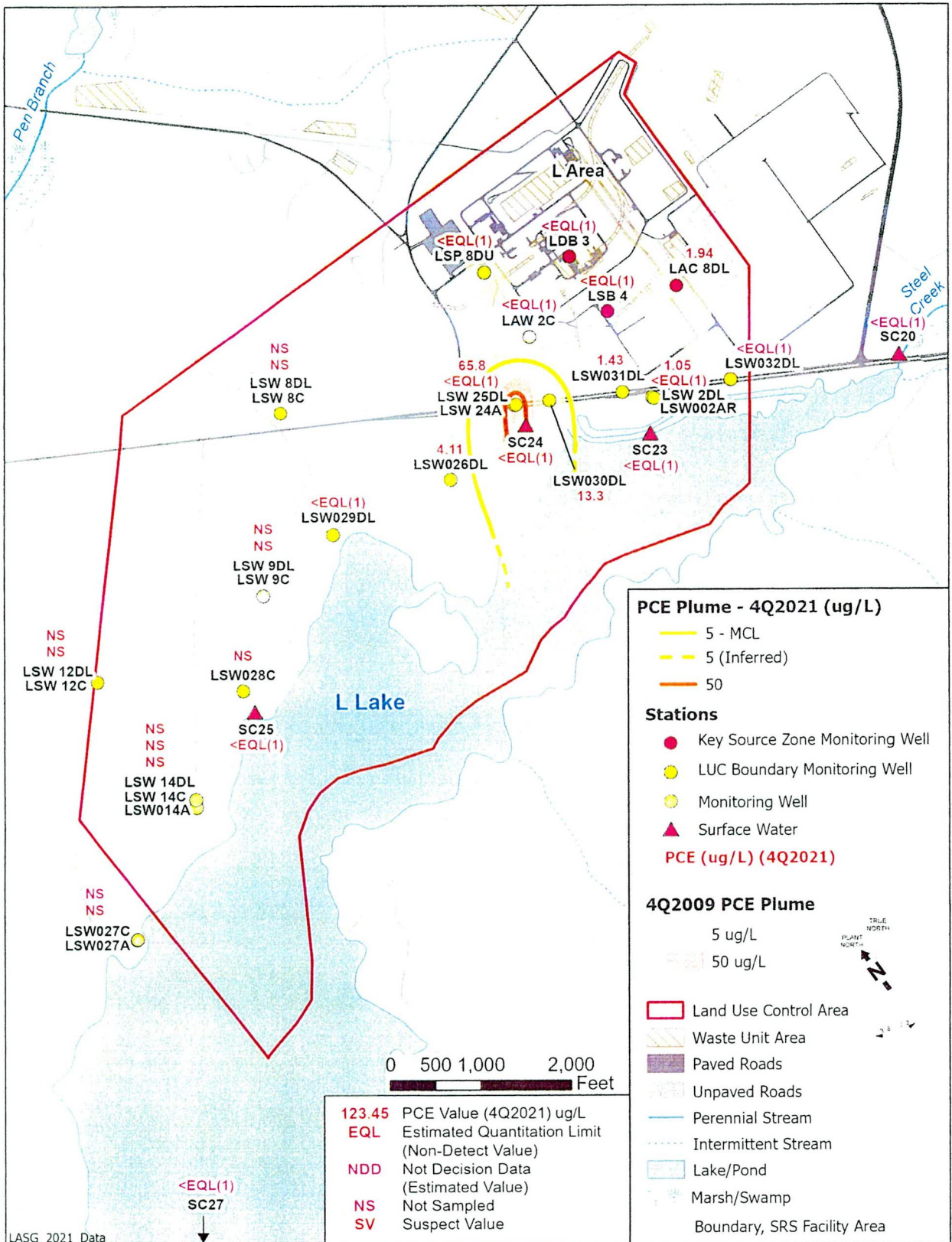


Figure 2: 4Q 2021 PCE Concentrations and Plume at LASG OU

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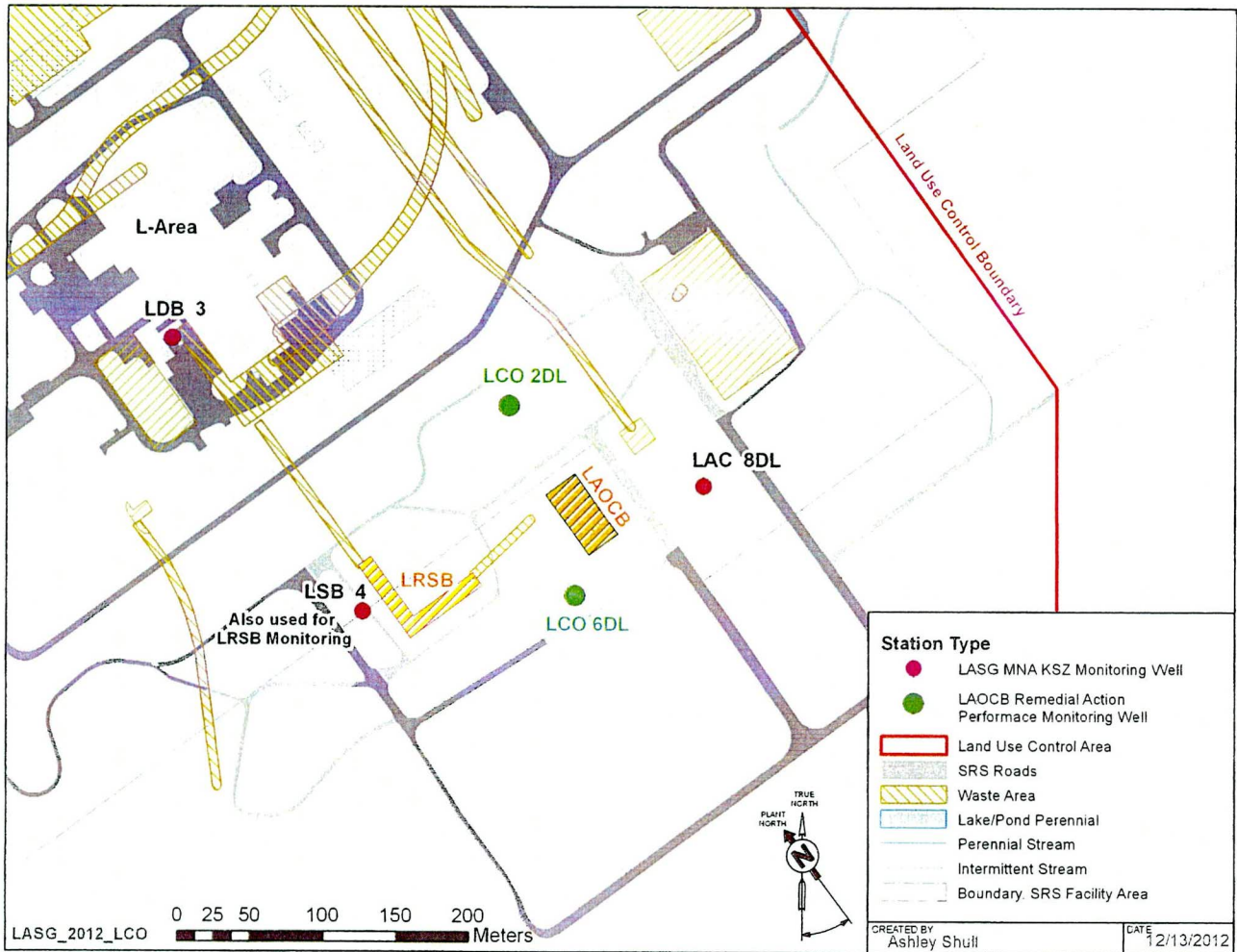


Figure 3: Location of the LAOCB, LRSB, and Associated Monitoring Wells