

From: Donnelly, Patrick <donnelpb@westinghouse.com>

Sent: Tuesday, August 17, 2021 8:45 AM

To: Diaz Toro, Diana <Diana.Diaz-Toro@nrc.gov>; Tiktinsky, David <David.Tiktinsky@nrc.gov>; Tobin, Jennifer <Jennifer.Tobin@nrc.gov>

Cc: Malek, Elise <malekem@westinghouse.com>

Subject: [External_Sender] Environmental Data Requested

Diana, et al-

Attached is the environmental data you requested back in late June. Check it over and if it was what you were expecting, I will submit it on the docket.

Thanks very much-

Patrick

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Vegetation									
Year	Investigation level	Station 1		Station 2		Station 3		Station 4	
	Gross alpha (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)
9/26/2018	15	1	11	0	10	3	12	1	5
5/29/2019	15	1	24	1	10	2	29	1	5
9/25/2019	15	1	15	2	8	1	18	0	10
5/27/2020	15	2	14	3	12	2	25	6	10
9/30/2020	15	2	12	2	7	1	10	2	10

Soil													
Year	Station 1			Station 2			Station 3			Station 4			Investigation level
	Total U (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Total U (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Total U (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Total U (pCi/g)	Gross alpha (pCi/g)	Gross beta (pCi/g)	Total U (pCi/g)
Sep-18	1	13	22	2	15	17	2	10	20	1	18	20	10
5/29/2019	3	14	23	3	14	16	2	12	20	2	16	17	10
9/25/2019	2	12	17	3	19	24	1	16	24	2	17	19	10
5/27/2020	3	14	21	2	20	26	2	8	18	2	13	18	10
9/30/2020	3	14	22	4	18	20	2	13	14	3	20	16	10

Year		Investigation level	Fish				Sediment			
			Total U (pCi/g)	Total U (pCi/g)	Gross Alpha (pCi/g)	Gross beta (pCi/g)	Tc-99 (pCi/g)	Total U (pCi/g)	Gross Alpha (pCi/g)	Gross beta (pCi/g)
Nov-18	2018	10	0.53	0.00	13.8	Not analyzed	0.92	6.37	80.8	0.00
Nov-19	2019	10	0.05	0.04	8.97	Not analyzed	0.74	5.61	14.1	Not analyzed
Dec-20	2020	10	0.07	0.00	12.8	Not analyzed	0.44	2.96	10.2	Not analyzed

Congaree River Gross Alpha (pCi/L)

2019	Blossom St. Bridge	Above Discharge	Below Discharge	Mill Creek
Jan-19	2	1	1	4
Feb-19	2	3	3	1
Mar-19	2	1	2	1
Apr-19	2	4	4	1
May-19	1	1	3	3
Jun-19	0	1	2	0
Jul-19	1	1	2	3
Aug-19	0	1	0	1
Sep-19	1	0	1	0
Nov-19	1	0	0	2

2020	Blossom St. Bridge	Above Discharge	Below Discharge	Mill Creek
Mar-20	0	1	0	0
Jun-20	0	0	0	0
Jul-20	2	0	0	0
Aug-20	1	1	1	1
Sep-20	1	10	0	0
Dec-20	1	0	2	4

2021	Blossom St. Bridge	Above Discharge	Below Discharge	Mill Creek
Jan-21	1	3	1	2
Mar-21	0	2	1	0
Apr-21	0	0	1	1
May-21	0	0	0	0
6/25/2021	1	0	0	0

Note:

Per Table 10.1 of the site's SNM-1107 license, Congaree River water monitoring is required quarterly.

The Congaree River was not sampled the following months:
2019 (Dec), 2020 (Jan, Feb, April, May, Oct, Nov), and 2021 (Feb).

Surface Water (pCi/L)

2019	Spillway		Causeway		Roadway		Entrance		Exit		Gator Pond	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
Jan-19	2	2	0	3	0	4	0	0	2	2	2	46
Feb-19	1	5	3	2	5	6	3	2			2	46
Mar-19	3	4	3	3	8	6	1	4	6	8	5	34
Apr-19	0	5	0	3	4	0	2	2	1	2	3	37
May-19	0	2	0	1	2	3	2	7	0	2	1	34
Jun-19	1	2	3	3	2	5	2	12	1	4	0	32
Jul-19	2	2	3	3	5	6	1	3	2	3	0	28
Aug-19	0	2	3	4	1	4	0	3	0	4	0	21
Sep-19	1	2	1	5	7	21	2	9	0	4	3	18
Oct-19	2	0	3	2	5	9	2	5	0	1	2	20
Nov-19	3	4	0	1	8	8	1	2	0	2	5	26
Dec-19	0	2	3	0	9	10	1	5			1	34

2020	Spillway		Causeway		Roadway		Entrance		Exit		Gator Pond	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
Jan-20	2	4	3	4	3	4	2	12	1	7	7	36
Feb-20	1	7	1	7	0	2	1	3	0	1	3	57
Mar-20	3	2	4	2	4	5	0	1	2	3	4	23
Apr-20	1	2	2	4	4	3	0	2	1	1	1	23
May-20	2	4	1	2	6	4	0	2	0	0	0	22
Jun-20	1	1	1	4	2	3	1	4	0	1	0	24
Jul-20	0	4	1	5	1	4	1	0	0	4	0	14
Aug-20	1	4	2	5	2	6	1	2	1	0	3	12
Sep-20	2	4	2	3	2	6	1	1	0	3	0	20
Oct-20	0	1	0	3	3	10	1	4	0	6	0	27
Nov-20	0	4	1	3	2	4	1	0	0	5	0	17
Dec-20	0	0	1	5	4	7	1	1	0	2	0	20

Note: Due to variability of MDCs, nondetections are noted at the value reported. Negative values are noted as zero.

Surface Water (pCi/L)

2021	Spillway		Causeway		Roadway		Entrance		Exit		Gator Pond		Lower Sunset Lake	
	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta	alpha	beta
Jan-21	2	4	1	4	0	3	0	1	0	2	1	36		
Feb-21	0	2	1	2	1	2	3	1	0	4	1	46	1	1
Mar-21	0	0	0	0	0	13	1	2	0	3	0	20	2	3
Apr-21	0	0	1	2	2	3	1	4	0	3	0	23	1	0
May-21	2	2	1	0	5	8	0	2	0	0	1	21	0	0

Note: Due to variability of MDCs, nondetections are noted at the value reported. Negative values are noted as zero.