Enclosure 14 to LTR-RAC-20-94

Date: December 18, 2020

Enclosure 14

Response to Request for Additional Information

Monthly Discharge Monitoring Reports



Westinghouse Electric Company LLC Nuclear Fuel Columbia Fuel Site 5801 Bluff Road Hopkins, South Carolina 29061

USA

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000

Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-19-93

SC-DHEC NPDES DMR - October 2019

November 22, 2019

Dear Sirs and Madams:

RE:

NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from October 1, 2019, through October 31, 2019. All received sample results were within NPDES permit limits.

On October 2, 16, 23, and 30, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

On October 9, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerety.

WESTINGHOUSE ELECTRIC COMPANY

Michael Annacone

Vice President, Columbia Fuel Operations

NAME WESTINGHOUSE ELECRIC COMPANY LLC ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1 DISCHARGE NUMBER PERMIT NUMBER MONITORING PERIOD

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

DMR VALID: 07/01/2014 - 03/31/2018 NOTE: Read Instructions before completing this form. YEAR MO DAY YEAR MO DAY FROM TO 2019 2019 10 01 10 31

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1		
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	********	******	*****	7.6	******	*********		0	01/07	GR
MLOC=1	PERMIT REQUIREMENT	***********	************	*****	1.0 INST MIN	***********	**********	MG/L		01/07	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	13.6	22.9		*********	12.7	17.9		0	01/07	GR
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	*******	**********	*****	6.42	********	8.47		0	01/01	CN
Standard Units MLOC=P	PERMIT REQUIREMENT	*********	**********	*****	REPORT INST MIN	**********	REPORT INST MAX	SU		01/01	CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	7.7	9.1		******	8.1	10.0		0	01/07	24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	**************	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00610 LAB ID: <u>40561</u> Ammonia - Nitrogen	SAMPLE MEASUREMENT	2.83	7.67		*******	2.36	5.89		0	01/07	24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	**********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00665 LAB ID: <u>32010</u> Phosphorous, Total	SAMPLE MEASUREMENT	************ ****	*****************	*****	******	1.2	1.2		0	01/30	24
MLOC=1	PERMIT REQUIREMENT	************ *******	************	*****	************	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30	24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.105	0.156		******	********	*********	*******	0	01/01	CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*********	***********	*********	******* *****		01/01	CN
NAME/TITLE PRINCIPAL EXECUTIVE O Michael Annacone Vice President, Columbia Fuel Opera	PREPARED UND DESIGNED TO A THE INFORMATI WHO MANAGE THE S' THE INFORMATI AMD BELIEF, TR	ER MY DIRECTION OR SSURE THAT QUALIFIE ON SUBMITTED. BASEL 'STEM, OR THOSE PER ON, THE INFORMATION	SUPERVISION IN ACCO D PERSONNEL PROPER ON MY INQUIRY OF THE SONS DIRECTLY RESPI I SUBMITTED IS, TO THE OMPLETE. I AM AWARE	RDANCE WITH RLY GATHER A HE PERSON O ONSIBLE FOR E BEST OF MY	H A SYSTEM AND EVALUATE R PERSONS GATHERING KNOWLEDGE	MI	80	TELEPH	ONE 47-3171		DATE 11 22
TYPED OR PRINTED		TION, INCLUDING THE	POSSIBILITY OF FINE A	ND IMPRISON	12	SIGNATURE OF PR EXECUTIVE OFFICER OR AUTHOR	≣ co	EA N	UMBER	YEAR	MO DAY

MAJOR

79 CM

FINAL LIMITS

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

001 1 SC0001848 PERMIT NUMBER DISCHARGE NUMBER

01

MAJOR 79 CM

FINAL LIMITS

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

MONITORING PERIOD YEAR MO DAY FROM 10

2019

DMR VALID: 07/01/2014 - 03/31/2018

LOCATION 5801 BLUFF RD

NOTE: Read Instructions before completing this form. YEAR MO DAY то

31

10

2019

PARAMETER	T								NO.	FREQUENCY	SAI	MPLE
		QUAN	ITITY OR LOADING			QUALITY OR CONCI	ENTRATION		EX	OF ANALYSIS	Т	YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1	ŧ		
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	********	*******	*****	********	0.01	0.05		0	01/07		GR
Chlorine MLOC=1	PERMIT REQUIREMENT	************	*********	*****	**********	0.5 MO AVG	1.0 DAILY MX	MG/L		01/07		GR
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	***********************	******	*****	******	0	o		0	01/30		GR
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	************** ******	**********	*****	*********	126 30DAVGEO	349 DAILY MX	MPN/ 100 ML		01/30	(GR
72107 LAB ID: 40561 Length of Longest pH	SAMPLE MEASUREMENT	********	******	*****	*******	***********	0		0	01/01		CN
Excursion MLOC=P	PERMIT REQUIREMENT	****************	*******	*****	*******	******	60 INST MAX	MIN-UT ES		01/01		CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	*********	************* ******	*****	************* ******	**********	0		0	01/01	(CN
pH Limits MLOC=P	PERMIT REQUIREMENT	******	*******	*****	*********	*******	1 INST MAX	PER- CENT		01/01	(CN
				-								
				-								
				<u> </u> - 								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael Annacone	PREPARED UNI	DER MY DIRECTION OR	HAT THIS DOCUMENT AN SUPERVISION IN ACCOR ED PERSONNEL PROPER	RDANCE WITH	H A SYSTEM	///	7	TELEPH	ONE		DATE	
Vice President, Columbia Fuel Operation	PERSONS WHO GATHERING TH	MANAGE THE SYSTEM IE INFORMATION, THE I	TED. BASED ON MY INQ 1, OR THOSE PERSONS D NFORMATION SUBMITTE URATE, AND COMPLETE,	IRECTLY RE D IS, TO THE	SPONSIBLE FOR BEST OF MY		n	803 6	47-3171	2019	11	22
TYPED OR PRINTED	THERE ARE SIG	SNIFICANT PENALTIES F	FOR SUBMITTING FALSE ONMENT FOR KNOWING	INFORMATIO	N, INCLUDING SI	GNATURE OF PRINCIPA OFFICER OR AUTHORI		AREA N	NUMBER	YEAR	МО	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 On October 2, 16, 23 and 30, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On October 9, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.



Westinghouse Electric Company LLC

Nuclear Fuel Columbia Fuel Site 5801 Bluff Road

Hopkins, South Carolina 29061

USA

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000

Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-19-102

SC-DHEC NPDES DMR - November 2019

December 19, 2019

Dear Sirs and Madams:

RE:

NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from November 1, 2019, through November 30, 2019. All received sample results were within NPDES permit limits.

On November 13, 20 and 27, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

On November 13, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerely

WESTINGHOUSE ELECTRIC COMPANY

Michael Annacone

Vice President, Columbia Fuel Operations

NAME WESTINGHOUSE ELECRIC COMPANY LLC ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1 MAJOR 79 CM PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

FINAL LIMITS DMR VALID: 07/01/2014 - 03/31/2018 NOTE: Read Instructions before completing this form. YEAR MO DAY YEAR MO DAY FROM 11 01 TO 2019 11 30 2019

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONCE	ENTRATION		NO. EX	FREQUENCY OF		MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	*****	*******	*****	8.6	*******	***********		0	01/07	(GR
MLOC=1	PERMIT REQUIREMENT	*****	**********	*****	1.0 INST MIN	*****	**********	MG/L		01/07	1	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	9.5	13.7		******	10.4	17.6		0	01/07	(GR
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	****	**********	*****	6.34	*******	8.50		0	01/01	(CN
Standard Units MLOC=P	PERMIT REQUIREMENT	*****	*********	*****	REPORT INST MIN	*****	REPORT INST MAX	SU		01/01	1	CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	4.1	5.3		*******	4.6	6.1		0	01/07		24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00610 LAB ID: 40561 Ammonia - Nitrogen	SAMPLE MEASUREMENT	4.31	8.68		******	4.37	6.67		0	01/07		24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00665 LAB ID: 32010 Phosphorous, Total	SAMPLE MEASUREMENT	****	******	*****	******	1.2	1.2		0	01/30		24
MLOC=1	PERMIT REQUIREMENT	*****	********	*****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30		24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.107	0.185		*******	*****	*********	******	0	01/01		CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	*******	**********	******		01/01		CN
NAME/TITLE PRINCIPAL EXECUTIVE OFF Michael Annacone Vice President, Columbia Fuel Operation	PREPARED UN DESIGNED TO THE INFORMAT WHO	DER MY DIRECTION OR ASSURE THAT QUALIFIE TON SUBMITTED. BASEI	SUPERVISION IN ACCOR ED PERSONNEL PROPER O ON MY INQUIRY OF TH	RDANCE WITH RLY GATHER A IE PERSON O	H A SYSTEM AND EVALUATE OR PERSONS	[]]]]		TELEPH	ONE		DATE	
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TYPED OR PRINTED		ATION, INCLUDING THE	POSSIBILITY OF FINE A	ND IMPRISON	4	SIGNATURE OF PE EXECUTIVE OFFICER OR AUTHOR	≣	AREA N	IUMBER	YEAR	MO	DAY

04/26/2017

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

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FROM

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MAJOR

79 CM FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	FITY OR LOADING			QUALITY OR CONCE	NTRATION		NO. EX	FREQUENCY OF ANALYSIS	1	MPLE YPE
	<u> </u>	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		<u> </u>	<u> </u>	
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	****	******	*****	***********	0.17	0.66		0	01/07		3R
Chlorine MLOC=1	PERMIT REQUIREMENT	****	*******	*****	*******	0.5 MO AVG	1.0 DAILY MX	MG/L		01/07	(3R
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	*****	*******	*****	*******	0	0		0	01/30		3R
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	*******	******	*****	********	126 30DAVGEO	349 DAILY MX	MPN/ 100 ML		01/30	(3R
72107 LAB ID: 40561 Length of Longest pH	SAMPLE MEASUREMENT	******	********	*****	**********	******	0		0	01/01	(CN
Excursion MLOC=P	PERMIT REQUIREMENT	*********	******	*****	******	********	60 INST MAX	MIN-UT		01/01	(CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	*****	*******	*****	*******	******	0		0	01/01		CN
pH Limits MLOC=P	PERMIT REQUIREMENT	*********	********	*****	******	*******	1 INST MAX	PER- CENT		01/01	(CN
				_					-			
											<u> </u>	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael Annacone	PREPARED UN	DER MY DIRECTION OR	I HAT THIS DOCUMENT AN SUPERVISION IN ACCOR D PERSONNEL PROPER	DANCE WITH	H A SYSTEM	1 -		TELEP	HONE		DATE	
Vice President, Columbia Fuel Operation	PERSONS WHO	D MANAGE THE SYSTEM HE INFORMATION, THE I	TED. BASED ON MY INQ , OR THOSE PERSONS D NFORMATION SUBMITTE JRATE, AND COMPLETE.	IRECTLY RE D IS, TO THE	SPONSIBLE FOR SEST OF MY	MM	-	803	6 47 -3171	2019	12	19
TYPED OR PRINTED	THERE ARE SI	GNIFICANT PENALTIES F	FOR SUBMITTING FALSE ONMENT FOR KNOWING	INFORMATIO	N, INCLUDING S	OFFICER OR AUTHORI		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 On November 13, 20 and 27, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On November 13, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.



Westinghouse Electric Company LLC

Nuclear Fuel Columbia Fuel Site 5801 Bluff Road

Hopkins, South Carolina 29061

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SC Department of Health & Environmental

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ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000

Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-20-8

SC-DHEC NPDES DMR - December 2019 with 4th Quarter 2019 Fluoride Report

January 24, 2020

Dear Sirs and Madams:

RE:

NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from December 1, 2019. through December 31, 2019. All received sample results were within NPDES permit limits.

On December 4, 18 and 27, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

On December 11, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

Also find attached the 4th Quarter 2019 Fluoride report, as required.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerely,

✓WESTINGHOUSE ELECTRIC COMPANY

Michael Annacone

Vice President, Columbia Fuel Operations

NAME WESTINGHOUSE ELECRIC COMPANY LLC ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

	SC00)1848]		001 1		MAJOR	
								79 CM	FINAL LIMITS
	PERMIT	NUMBER			DISCH	HARGE NU	MBER		
			MONITO	DRING PE	RIOD			DMR VALID:	07/01/2014 - 03/31/2018
	YEAR	МО	DAY		YEAR	МО	DAY	NOTE: Read Instri	actions before completing this form.
FROM	2019	12	01	TO	2019	12	31	1	

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA LOCATION 5801 BLUFF RD

PARAMETER		QUAN'	TITY OR LOADING			QUALITY OR CONCE	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	l l	AMPLE TYPE
i	\ \ \ \ \	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	'			
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	********	******	*****	10.5	******************	*******	i i	0	01/07	(GR
MLOC=1	PERMIT REQUIREMENT	*************	***********	*****	1.0 INST MIN	************	***********			01/07	1	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	9.5	16.4	,	*********	9.6	13.7		0	01/07	(GR
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	*******	**********	*****	6.51	********	8.37		0	01/01		CN
Standard Units MLOC=P	PERMIT REQUIREMENT	***********	**************************************	******	REPORT INST MIN	************	REPORT INST MAX	SU		01/01	•	CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	5.5	6.4	7	********	5.8	9.1		0	01/07	3	24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00610 LAB ID: <u>40561</u> Ammonia - Nitrogen	SAMPLE MEASUREMENT	8.2	15.8	1	*********	7.4	11.6		0	01/07	<i>'</i>	24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	**********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00665 LAB ID: 32010 Phosphorous, Total	SAMPLE MEASUREMENT	***********	*********	*****	********	1.1	1.1		0	01/30		24
MLOC=1	PERMIT REQUIREMENT	***********	**********	*****	************	REPORT MO AVG	REPORT DAILY MX	MG/L	1	01/30		24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.118	0.163	1	*****************	*****************	*********		0	01/01		CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	********	************	*************	hā (1		01/01	7	CN
NAME/TITLE PRINCIPAL EXECUTIVE OF Michael Annacone Vice President, Columbia Fuel Operati	PREPARED UNDI DESIGNED TO AS THE INFORMATION WHO	DER MY DIRECTION OR S ASSURE THAT QUALIFIEI FION SUBMITTED. BASED	HAT THIS DOCUMENT AN R SUPERVISION IN ACCORI ED PERSONNEL PROPERL ED ON MY INQUIRY OF THE RSONS DIRECTLY RESPON	RDANCE WITH RLY GATHER A IE PERSON OF	TH A SYSTEM AND EVALUATE OR PERSONS	nn11		TELEPHO	IONE		DATE	
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NAME WESTINGHOUSE ELEC LLC/ COLUMBIA

SC0001848 PERMIT NUMBER

MAJOR 79 CM

001 1

DISCHARGE NUMBER

FINAL LIMITS

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

MONITORING PERIOD

DMR VALID: 07/01/2014 - 03/31/2018

LOCATION 5801 BLUFF RD

YEAR MO DAY YEAR МО DAY FROM TO 12 31 2019 12 01 2019

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	NTITY OR LOADING			QUALITY OR CONCE	NTRATION	nna na pladasa	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	✓ I	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	-	,	
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	******	********	*****	******	0.03	0.10		0	01/07	GR
Chlorine MLOC=1	PERMIT REQUIREMENT	*********	*************	*****	*******	0.5 MO AVG	1.0 DAILY MX	MG/L		01/07	GR
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	*********	***********	*****	*********	0	0		0	01/30	GR
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	***********	***********	*****	*******	126 30DAVGEO	349 DAILY MX	MPN/ 100 ML		01/30	GR.
72107 LAB ID: <u>40561</u> Length of Longest pH	SAMPLE MEASUREMENT	************************	*****************	*****	*********	**********	0		0	01/01	CN
Excursion MLOC=P	PERMIT REQUIREMENT	***********	***********	*****	***********	**************	60 INST MAX	MIN-UT ES	The region	01/01	CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	*******	********	*****	*********	*********** ******	0		0	01/01	CN
pH Limits MLOC=P	PERMIT REQUIREMENT	************	***********	*****	*****************	****************	1 INST MAX	PER- CENT		01/01	CN
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael Annacone	PREPARED UND	NDER MY DIRECTION OR S	THAT THIS DOCUMENT ANI R SUPERVISION IN ACCORI ED PERSONNEL PROPERL	RDANCE WITH	TH A SYSTEM			TELEPHO	ONE		DATE
Vice President, Columbia Fuel Operations	PERSONS WHO GATHERING THI	O MANAGE THE SYSTEM, HE INFORMATION, THE IN	TTED. BASED ON MY INQU M, OR THOSE PERSONS DII INFORMATION SUBMITTED CURATE, AND COMPLETE.	DIRECTLY REED IS, TO THE	ESPONSIBLE FOR SEBEST OF MY	Min		803 64	47-3171	2020	01 24
TYPED OR PRINTED	THERE ARE SIG	GNIFICANT PENALTIES FO	FOR SUBMITTING FALSE IN	INFORMATIO	ON, INCLUDING STO	GNATURE OF PRINCIPAL OFFICER OR AUTHORIZ		AREA N	NUMBER	YEAR	MO DAY

below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On December 11, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

DAY

01

то

NAME WESTINGHOUSE ELECRTIC COMPANY LLC

ADDRESS 5801 BLUFF ROAD

HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848
PERMIT NUMBER

YEAR

2019

FROM

МО

10

001 2 DISCHARGE NUMBER

MO

12

DAY

31

YEAR

2019

MAJOR 79 CM

FINAL LIMITS

MONITORING PERIOD DMR VALID: 04/01/2013 - 03/31/2018

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	ITITY OR LOADING			QUALITY OR CONC	CENTRATION		NO. EX	FREQUENCY OF ANALYSIS	,	MPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
00951 LAB ID: 40561 Fluoride, Total	SAMPLE MEASUREMENT	*****	******	*****	**********	3.469	6.060		0	01/07		24
MLOC=1	PERMIT REQUIREMENT	************	*********	*****	*******	REPORT MO AVG	REPORT DAILY MAX	MG/L	5.5	01/90		24
	SAMPLE MEASUREMENT		14-4-15-0-16-03-15-20-16-16-16-16-16-16-16-16-16-16-16-16-16-									30.346-2568 s
	PERMIT REQUIREMENT					Section of the Sectio						Lagran Maria
	SAMPLE MEASUREMENT											******************
	PERMIT REQUIREMENT				7 () () () () () () () () () (F 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		1 54 1 54	Tary (* 18 Grander
	SAMPLE MEASUREMENT PERMIT	Academic Colonia (Colonia Colonia Colo						William William				
	REQUIREMENT					1				A Paris		
	MEASUREMENT PERMIT			4	u sa							
	REQUIREMENT SAMPLE			1.00 20 3			of Park Control					
	MEASUREMENT PERMIT REQUIREMENT		de de la companya de La companya de la co									
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	PERMIT REQUIREMENT						en e	100		i p		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	PREPARED UNI DESIGNED TO A	DER MY DIRECTION OR S ASSURE THAT QUALIFIE	HAT THIS DOCUMENT AN SUPERVISION IN ACCORD. D PERSONNEL PROPERLY	ANCE WITH GATHER A	A SYSTEM ND			TELEP	HONE		DATE	
Michael Annacone Vice President Columbia Fuel Operations	PERSONS WHO	MANAGE THE SYSTEM,	TTED. BASED ON MY INQI OR THOSE PERSONS DIRE NFORMATION SUBMITTEI	CTLY RESPO	ONSIBLE FOR		2	803	647-3171	2020	01	24
TYPED OR PRINTED	ARE SIGNIFICA	NT PENALTIES FOR SUB	RATE, AND COMPLETE. I MITTING FALSE INFORMA ENT FOR KNOWING VIOLA	ATION, INCL		SIGNATURE OF PRINCIPA OFFICER OR AUTHOR		AREA CODE	NUMBER	YEAR	мо	DAY

The plant discharged daily during the 4th quarter 2019. Discharge effluents were sampled weekly, 13 days of the 92 days discharged.



Westinghouse Electric Company LLC

Nuclear Fuel Columbia Fuel Site 5801 Bluff Road

Hopkins, South Carolina 29061

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000

Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-20-23

SC-DHEC NPDES DMR – January 2020

February 27, 2020

Dear Sirs and Madams:

RE:

NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from January 1, 2020, through January 31, 2020. All received sample results were within NPDES permit limits.

On January 2, 8, 15, and 29, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

On January 8, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerel

WESTINGHOUSE ELECTRIC COMPANY

Michael Annacone

Vice President, Columbia Fuel Operations

TO

NAME WESTINGHOUSE ELECRIC COMPANY LLC ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848	001 1
PERMIT NUMBER	DISCHARGE NUMBER
MONITO	ORING PERIOD

DAY

01

MO

01

YEAR

2020

FROM

MAJOR 79 CM

MO

01

DAY

YEAR

2020

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

DADAMETED			L		<u></u>		<u></u>		T NO	TERROHENCY	CAMPLE
PARAMETER		QUAN"	NTITY OR LOADING			QUALITY OR CONCE	SNTRATION	I	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1'	1	
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	*************	**********	*****	9.8	*******	*********		0	01/07	GR
MLOC=1	PERMIT REQUIREMENT	***********	**********	*****	1.0 INST MIN	********	***********	MG/L		01/07	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	8.5	11.75		*******	8.5	10.1		0	01/07	GR
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	*****************	*********** *******	*****	6.42	*******	8.31		0	01/01	CN
Standard Units MLOC=P	PERMIT REQUIREMENT	*********	********	******	REPORT INST MIN	********	REPORT INST MAX	su		01/01	CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	7.2	8.0	1	***********	7.3	10.0		0	01/07	24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00610 LAB ID: 40561 Ammonia - Nitrogen	SAMPLE MEASUREMENT	9.3	12.0		******	9.5	12.2		0	01/07	24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	************* ********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00665 LAB ID: 32010 Phosphorous, Total	SAMPLE MEASUREMENT	************ ******	***********	*****	*******	0.71	0.71	:	0	01/30	24
MLOC=1	PERMIT REQUIREMENT	************	********	*****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30	24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.118	0.175	and the second	*******	******	*******	******	0	01/01	CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	******	********	******		01/01	CN
NAME/TITLE PRINCIPAL EXECUTIVE O Michael Annacone Vice President, Columbia Fuel Opera	PREPARED UNDI DESIGNED TO AS THE INFORMATIC WHO MANAGE THE SY THE INFORMATIC AMD BELIEF, TRU	DER MY DIRECTION OR: ASSURE THAT QUALIFIEL ION SUBMITTED. BASED SYSTEM, OR THOSE PER ION, THE INFORMATION	HAT THIS DOCUMENT AN R SUPERVISION IN ACCOR ED PERSONNEL PROPERIOD ON MY INQUIRY OF THE RSONS DIRECTLY RESPON SUBMITTED IS, TO THE COMPLETE. I AM AWARE THIS	RDANCE WITH RLY GATHER A HE PERSON OF ONSIBLE FOR E BEST OF MY	H A SYSTEM AND EVALUATE OR PERSONS R GATHERING Y KNOWLEDGE	Min	7 8	TELEPHO	IONE 647-3171		DATE 02 27
TYPED OR PRINTED		ATION, INCLUDING THE	E POSSIBILITY OF FINE AN	1D IMPRISON		SIGNATURE OF PRI EXECUTIVE OFFICER OR AUTHORIZ	E CO	REA NI ODE	NUMBER	YEAR	MO DAY

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA

SC0001848 PERMIT NUMBER MAJOR 79 CM

001 1

FINAL LIMITS

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

DISCHARGE NUMBER MONITORING PERIOD

DMR VALID: 07/01/2014 - 03/31/2018

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

YEAR MO YEAR MO DAY DAY TO FROM 2020 2020 01 01 01 31

NOTE: Read Instructions before completing this form.

PARAMETER	T 71				T				NO.	FREQUENCY	CAMPLE
PAKAME I EK		QUAN ^a	ITITY OR LOADING			QUALITY OR CONCE	INTRATION		EX	OF ANALYSIS	SAMPLE TYPE
	\/ \rightarrow	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1		
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	************ ******	*********** ******	*****	*******	0.19	0.96		0	01/07	GR
Chlorine MLOC=1	PERMIT REQUIREMENT	*******	*********	*****	********	0.5 MO AVG	1.0 DAILY MX	MG/L		01/07	GR
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	********	*********	*****	******	0	0		0	01/30	GR
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	********	******	*****	*******	126 30DAVGEO	349 DAILY MX	MPN/ 100 ML		01/30	GR
72107 LAB ID: <u>40561</u> Length of Longest pH	SAMPLE MEASUREMENT	********	**********	*****	*******	*********	0		0	01/01	CN
Excursion MLOC=P	PERMIT REQUIREMENT	*******	*********	*****	*****	******	60 INST MAX	MIN-UT ES		01/01	CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	*******	*********	*****	********	**********	0		0	01/01	CN
pH Limits MLOC=P	PERMIT REQUIREMENT	********	********	*****	******	********	1 INST MAX	PER- CENT		01/01	CN
,											
	Pt. 0							2			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael Annacone	PREPARED UND	DER MY DIRECTION OR S	HAT THIS DOCUMENT AN SUPERVISION IN ACCORI D PERSONNEL PROPERL	RDANCE WITH	H A SYSTEM		7	TELEPH	ONE		DATE
Vice President, Columbia Fuel Operation	PERSONS WHO GATHERING THE) MANAGE THE SYSTEM, IE INFORMATION, THE IN	TED. BASED ON MY INQU I, OR THOSE PERSONS DI NFORMATION SUBMITTED JRATE, AND COMPLETE.	IRECTLY RE D IS, TO THE	SPONSIBLE FOR BEST OF MY		ee ?	303 6	47-3171	2020	02 27
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLA	THERE ARE SIG	GNIFICANT PENALTIES FO TY OF FINE AND IMPRISO	OR SUBMITTING FALSE II	INFORMATIO	ON, INCLUDING SIE	SNATURE OF PRINCIPA OFFICER OR AUTHORIZ		REA N	IUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 On January 2, 8, 15, and 29, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On January 8, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.



Westinghouse Electric Company LLC Nuclear Fuel Columbia Fuel Site 5801 Bluff Road Hopkins, South Carolina 29061

USA

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000

Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-20-33

SC-DHEC NPDES DMR - February 2020

March 26, 2020

Dear Sirs and Madams:

RE:

NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from February 1, 2020, through February 29, 2020. All received sample results were within NPDES permit limits.

On February 5, 12, and 19, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

On February 12, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerely,

WESTINGHOUSE ELECTRIC COMPANY

Jeff Feiguren for

Michael Annacone

Vice President, Columbia Fuel Operations

NAME

WESTINGHOUSE ELECRIC COMPANY LLC

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848 001 1 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR MO DAY YEAR MO DAY TO 2020 .02 29 FROM 2020 02 01

MAJOR

79 CM

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

			L								
PARAMETER		QUANT	ITITY OR LOADING			QUALITY OR CONCE	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	\ \ \ \ \	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1	71111222	
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	******************************	******	*****	9.8	*******	*******		0	01/07	GR
MLOC=1	PERMIT REQUIREMENT	**********	*********	*****	1.0 INST MIN	********	*********	MG/L		01/07	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	10.6	15.6		******	9.5	13.5		0	01/07	24
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	******* ******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00400 LAB ID: <u>40561</u> рН	SAMPLE MEASUREMENT	************* *****	********	*****	6.21	************ *******	8.24		0	01/01	CN
Standard Units MLOC=P	PERMIT REQUIREMENT	*******	********	*****	REPORT INST MIN	*******	REPORT INST MAX	SU		01/01	CN
00530 LAB ID: 40561 Total Suspended	SAMPLE MEASUREMENT	7.1	8.3		******	6.6	8.9		0	01/07	24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00610 LAB ID: 40561 Ammonia - Nitrogen	SAMPLE MEASUREMENT	17.9	26.7		**********	16.4	23.1		0	01/07	24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00665 LAB ID: 32010 Phosphorous, Total	SAMPLE MEASUREMENT	************* ****	************ ******	******	******************	1.2	1.2		0	01/30	24
MLOC=1	PERMIT REQUIREMENT	*********	*******	*****	********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30	24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.121	0.180		*********************	***********	************* ******	******	0	01/01	CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	*******	*********	******		01/01	CN
NAME/TITLE PRINCIPAL EXECUTIVE OF Michael Annacone Vice President, Columbia Fuel Operat	PREPARED UND DESIGNED TO A THE INFORMATIC WHO MANAGE THE SY THE INFORMATIC AMD BELIEF, TRI	DER MY DIRECTION OR S ASSURE THAT QUALIFIED FION SUBMITTED. BASED SYSTEM, OR THOSE PER: FION, THE INFORMATION RUE, ACCURATE, AND CO	HAT THIS DOCUMENT AN SUPERVISION IN ACCOR. BED PERSONNEL PROPERL D ON MY INQUIRY OF THE RSONS DIRECTLY RESPONS SUBMITTED IS, TO THE COMPLETE. I AM AWARE TO THE LOW IN SUBMITTED IS AN AWARE TO THE LOW IN SUBMITTED IS AN AWARE TO THE LOW IN A WARE TO THE LOW IN A	RDANCE WITH RLY GATHER A IE PERSON OF ONSIBLE FOR E BEST OF MY	TH A SYSTEM AND EVALUATE OR PERSONS R GATHERING Y KNOWLEDGE	1.11 Juni	. 10	TELEPHC	ONE 47-3171		DATE 03 26
TYPED OR PRINTED			TING E POSSIBILITY OF FINE AN	ID IMPRISON	/	GNATIONE OF PRI EXECUTIVE OFFICER OR AUTHORIZ	E C	AREA NU	IUMBER	YEAR	MO DAY

DAY

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MONITORING PERIOD

TO

YEAR

2020

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WESTINGHOUSE ELEC LLC/ COLUMBIA NAME

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848 PERMIT NUMBER

MO

02

YEAR

2020

FROM

001 1 **MAJOR** DISCHARGE NUMBER

29

79 CM

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

LUCATION 5801 BLUFF RD			2020	02	01	2020 02	29					
PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONC	CENTRATION		NO. EX	FREQUENCY OF ANALYSIS	į.	MPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	*******	*******	*****	**********	0.02	0.06		0	01/07	(GR
Chlorine MLOC=1	PERMIT REQUIREMENT	*******	*******	*****	*******	0.5 MO AVG	1.0 DAILY MX	MG/L		01/07		GR
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	************ *****	******	*****	***********	0	0		0	01/30		GR
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	********	********	*****	**********	126 30DAVGEO	349 DAILY MX	MPN/ 100 ML		01/30	,	GR
72107 LAB ID: 40561 Length of Longest pH	SAMPLE MEASUREMENT	************* ******	******	*****	*********	************ *******	0		0	01/01		CN
Excursion MLOC=P	PERMIT REQUIREMENT	*******	*******	*****	*******	********	60 INST MAX	MIN-UT		01/01		CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	************	********	*****	******	********	0		0	01/01		CN
pH Limits MLOC=P	PERMIT REQUIREMENT	************ *******	*******	*****	**********	********	1 INST MAX	PER- CENT		01/01		CN
				-				!				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael Annacone	PREPARED UND	DER MY DIRECTION OR :	I HAT THIS DOCUMENT AN SUPERVISION IN ACCORI ED PERSONNEL PROPERL	DANCE WITH	H A SYSTEM			TELEPHO	DNE		DATE	
Vice President, Columbia Fuel Operations	EVALUATE THE PERSONS WHO GATHERING THE	INFORMATION SUBMIT MANAGE THE SYSTEM, IE INFORMATION, THE IN	TED. BASED ON MY INQU I, OR THOSE PERSONS DI NFORMATION SUBMITTED URATE, AND COMPLETE.	UIRY OF THE IRECTLY RES D IS, TO THE	PERSON OR SPONSIBLE FOR BEST OF MY	Jeff Leignan	for	803 64	7-3171	2020	03	26
TYPED OR PRINTED	THE POSSIBILIT	TY OF FINE AND IMPRISO	FOR SUBMITTING FALSE II ONMENT FOR KNOWING	VIOLATIONS.		OFFICER OF PRINCIP	IZED AGENT	CODE	UMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 On February 5, 12, and 19, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On February 12, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.



Westinghouse Electric Company LLC

Nuclear Fuel Columbia Fuel Site 5801 Bluff Road

Hopkins, South Carolina 29061

USA

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000 Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-20-43

SC-DHEC NPDES DMR – March 2020 with 1st Quarter 2020 Fluoride Report

April 27, 2020

Dear Sirs and Madams:

RE: NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from March 1, 2020, through March 31, 2020. All received sample results were within NPDES permit limits.

On March 4, 11, and 25, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were, therefore, reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

On March 11, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was, therefore, reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

The 1st Quarter 2020 Fluoride Report is also attached.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerely,

WESTINGHOUSE ELECTRIC COMPANY

Michael Annacone

Vice President, Columbia Fuel Operations

WESTINGHOUSE ELECRIC COMPANY LLC NAME ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

001 1 SC0001848 DISCHARGE NUMBER PERMIT NUMBER MONITORING PERIOD DAY YEAR MO YEAR MO DAY 03 31 FROM 2020 03 01 TO 2020

79 CM FINAL LIMITS

MAJOR

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

FACILITY	WESTINGHOUSE ELEC LLC /COLUMBIA
LOCATION	5801 BLUFF RD

PARAMETER		QUANT	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPL TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	**********	******	*****	9.9	********	***********		0	01/07	GR
MLOC=1	PERMIT REQUIREMENT	**********	********	******	1.0 INST MIN	*******	***********	MG/L		01/07	GR
00310 LAB ID: 10120 BOD – 5 Day	SAMPLE MEASUREMENT	10.4	14.0		*************	12.1	16.5		0	01/07	24
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	*******	***********	*****	6.02	******	8.29		0	01/01	CN
Standard Units MLOC=P	PERMIT REQUIREMENT	************	***********	******	REPORT INST MIN	************	REPORT INST MAX	SU		01/01	CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	8	9.5		******	9	12		0	01/07	24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00610 LAB ID: <u>40561</u> Ammonia - Nitrogen	SAMPLE MEASUREMENT	17.3	20.5		********	20.1	23.4		0	01/07	24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	************	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00665 LAB ID: 32010 Phosphorous, Total	SAMPLE MEASUREMENT	***********	**********	******	***************	1.3	1.3		0	01/30	24
MLOC=1	PERMIT REQUIREMENT	***********	***********	******	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30	24
50050 LAB ID: <u>40561</u> Flow in Conduit or	SAMPLE MEASUREMENT	0.106	0.181		*******	******	***********	*******	0	01/01	CN
Thru Treatment Plant MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	***********	************	******		01/01	CN
NAME/TITLE PRINCIPAL EXECUTIVE Michael Annacone Vice President, Columbia Fuel Ope	PREPARED UND DESIGNED TO A	ER MY DIRECTION OR	HAT THIS DOCUMENT A SUPERVISION IN ACCO D PERSONNEL PROPE D ON MY INQUIRY OF TH	RDANCE WITH RLY GATHER A	AND EVALUATE	1 11	2	TELEPH	ONE		DATE
	MANAGE THE S' THE INFORMATI AMD BELIEF, TR	ON, THE INFORMATION UE, ACCURATE, AND C	RSONS DIRECTLY RESP I SUBMITTED IS, TO THE COMPLETE. I AM AWARI	E BEST OF MY	KNOWLEDGE	14/10	8	803 64	47-3171	2020	04
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LOCATION 5801 BLUFF RD

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

01

NAME	WESTINGHOUSE ELEC LLC/ COLUMBIA		SC00	01848				001 1	
ADDRESS	5801 BLUFF ROAD, HOPKINS, SC 29061-9121		PERMIT	NUMBER			DISCI	HARGE NUM	MBER
					MONITO	ORING P	ERIOD		
FACILITY	WESTINGHOUSE ELEC LLC /COLUMBIA	FROM	YEAR	MO	DAY	то	YEAR	МО	DA

MAJOR

001 1

MO 03

2020

31

79 CM

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONCE	NTRATION		NO. EX	FREQUENCY OF ANALYSIS		MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	***********	***********	*****	**********	0.11	0.45		0	01/07	(GR
Chlorine MLOC=1	PERMIT REQUIREMENT	**********	***********	*****	********	0.5 MO AVG	1.0 DAILY MX	MG/L		01/07		GR
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	**********	***********	*****	*********	0	0		0	01/30	(GR
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	***********	*********	*****	***********	126 30DAVGEO	349 DAILY MX	MPN/ 100 ML		01/30		GR
72107 LAB ID: 40561 Length of Longest pH	SAMPLE MEASUREMENT	**********	**********	*****	*******	************	0		0	01/01		CN
Excursion MLOC=P	PERMIT REQUIREMENT	*********	*********	*****	**********	**********	60 INST MAX	MIN-UT ES		01/01		CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	**********	************	*****	**********	******	0		0	01/01	(CN
pH Limits MLOC=P	PERMIT REQUIREMENT	**********	**********	*****	*************	**********	1 INST MAX	PER- CENT		01/01		CN
		1	THE DOCUMENT	ND ALL ATTA	CUMENTS WEDE I							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE Michael Annacone	PREPARED UN DESIGNED TO	DER MY DIRECTION OR ASSURE THAT QUALIFIE	HAT THIS DOCUMENT A SUPERVISION IN ACCO ED PERSONNEL PROPE	RDANCE WITH RLY GATHER A	AND	111		TELEPH	IONE		DATE	
Vice President, Columbia Fuel Operation	PERSONS WHO	MANAGE THE SYSTEN HE INFORMATION, THE I	TED. BASED ON MY IN I, OR THOSE PERSONS NFORMATION SUBMITT URATE, AND COMPLETE	DIRECTLY RE ED IS, TO THE	SPONSIBLE FOR BEST OF MY	Min		803 6	47-3171	2020	04	27
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2020

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 On March 4, 11, and 25, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On March 11, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

DAY

01

MONITORING PERIOD

TO

YEAR

2020

NAME WESTINGHOUSE ELECRTIC COMPANY LLC

ADDRESS 5801 BLUFF ROAD

HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848 PERMIT NUMBER

MO

01

YEAR

2020

FROM

001 2 DISCHARGE NUMBER

MO

03

DAY

31

MAJOR 79 CM

FINAL LIMITS

DMR VALID: 04/01/2013 - 03/31/2018

NOTE: Read Instructions before completing this form.

PARAMETER		QU	IANTITY OR LOADING			QUALITY OR COM	NCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	1000000	MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
00951 LAB ID: 40561 Fluoride, Total	SAMPLE MEASUREMENT	******	**********	*****	**********	1.839	3.140		0	01/07	- 3	24
MLOC=1	PERMIT REQUIREMENT	***********	********	*****	**********	REPORT MO AVG	REPORT DAILY MAX	MG/L		01/90	3	24
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
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NAME/TITLE PRINCIPAL EXECUTIVE OFFI	PREPARED UNI DESIGNED TO	DER MY DIRECTION O ASSURE THAT QUALIF	THAT THIS DOCUMENT A R SUPERVISION IN ACCOR- TIED PERSONNEL PROPERI	DANCE WITH LY GATHER A	A SYSTEM ND	1 0		TELEP	HONE		DATE	
Michael Annacone Vice President Columbia Fuel Operations	PERSONS WHO	MANAGE THE SYSTE	MITTED. BASED ON MY IN M, OR THOSE PERSONS DI E INFORMATION SUBMITI	RECTLY RESP	ONSIBLE FOR	MILL	in	803	647-3171	2020	04	27
TYPED OR PRINTED	ARE SIGNIFICA	INT PENALTIES FOR SU	CURATE, AND COMPLETE UBMITTING FALSE INFORI IMENT FOR KNOWING VIO	MATION, INCL		SIGNATURE OF PRINCI		AREA CODE	NUMBER	YEAR	мо	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The plant discharged daily during the 1st quarter 2020. Discharge effluents were sampled weekly, 13 days of the 91 days discharged.



Westinghouse Electric Company LLC Nuclear Fuel Columbia Fuel Site 5801 Bluff Road Hopkins, South Carolina 29061 USA

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000

Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-20-50

SC-DHEC NPDES DMR - April 2020 with 2020 Annual Toxicity Report

May 26, 2020

Dear Sirs and Madams:

RE: NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. The 2020 Toxicity Report is also attached.

This monthly summary covers the monitoring period from April 1, 2020, through April 30, 2020. All received sample results were within NPDES permit limits.

On April 8, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was, therefore, reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

One excursion of the BOD requirement occurred the week of April 22. Per GEL Laboratories via email correspondence on April 28:

"Results for this analysis have been compromised due to an isolated failure of the Deionized Water System used in the analytical processes. Use of the data may not reflect the true concentrations normally experienced in the sample. GEL is purchasing DI water for this lab until we can rectify the issue. Based on the LCS results, this data should not be used for regulatory reporting. Results are biased low."

Therefore, the weekly BOD result for April 22 was not included in the daily average or daily maximum reported, and one excursion was marked on the DMR. The issue was entered into the Westinghouse Corrective Action Program #2020-5328.

On April 29, Westinghouse notified Sonya Johnson and Lucas Berresford of the following river discharge piping maintenance issue. Notification is included in this DMR as required per Part II Section L.6 of NPDES Permit #SC0001848:

At approximately 3:35 pm on 4/28/20, Environment, Health and Safety (EH&S) personnel were informed of a leak in the treated wastewater discharge line from the Westinghouse plant to the Congaree River. Maintenance activities to repair a culvert on the dirt road, about a mile from the river, inadvertently impacted the line, and the leak was discovered right away. River discharges were stopped and locked out until maintenance repairs were completed the same day. The issue was entered into the Westinghouse Corrective Action Program # 2020-5267.

Page 2 of 2 Our ref: LTR-RAC-20-50 May 26, 2020

On April 30, the weekly total residual chlorine (TRC) sample result tested below the PQL of 0.05 mg/l and was, therefore, reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerely,

WESTINGHOUSE ELECTRIC COMPANY

Jeff Ferguson for Michael annume

Michael Annacone

Vice President, Columbia Fuel Operations

NAME

WESTINGHOUSE ELECRIC COMPANY LLC

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848 001 1 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD DAY YEAR MO DAY YEAR MO FROM 2020 04 01 TO 2020 04 30

MAJOR

79 CM

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONCE	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1		
00300 LAB ID: 40561 Dissolved Oxygen	SAMPLE MEASUREMENT	********	*******	*****	7.7	******	******		0	01/07	GR
MLOC=1	PERMIT REQUIREMENT	*********	******	*****	1.0 INST MIN	*******	**********	MG/L		01/07	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	10.1	20.5		******	14.6	23.2		1	01/07	24
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	**********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	*********	*********	*****	6.3	*********** ******	7.9		0	01/01	CN
Standard Units MLOC=P	PERMIT REQUIREMENT	**********	*********	*****	REPORT INST MIN	******	REPORT INST MAX	SU		01/01	CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	5	10		*******	9	13		0	01/07	24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00610 LAB ID: <u>40561</u> Ammonia - Nitrogen	SAMPLE MEASUREMENT	17.1	22.8		*******	25.4	48.8		0	01/07	24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	*********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
00665 LAB ID: <u>32010</u> Phosphorous, Total	SAMPLE MEASUREMENT	**********	*********	*****	*******	1.4	1.4		0	01/30	24
MLOC=1	PERMIT REQUIREMENT	***********	**********	*****	**********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30	24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.097	0.140		**************************************	**********	**********	******	0	01/01	CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	******	*********	******		01/01	CN
NAME/TITLE PRINCIPAL EXECUTIVE OF Michael Annacone Vice President, Columbia Fuel Operat	PREPARED UND DESIGNED TO A Ations THE INFORMATI WHO MANAGE THE S THE INFORMATI AMD BELIEF, TR	DER MY DIRECTION OR S ASSURE THAT QUALIFIC ION SUBMITTED. BASED SYSTEM, OR THOSE PER: ION, THE INFORMATION RUE, ACCURATE, AND CO	AT THIS DOCUMENT AN SUPERVISION IN ACCORD DERSONNEL PROPERIO ON MY INQUIRY OF THE RSONS DIRECTLY RESPONS DIR	RDANCE WITH LLY GATHER A E PERSON OF DNSIBLE FOR BEST OF MY	H A SYSTEM AND EVALUATE OR PERSONS R GATHERING Y KNOWLEDGE	left Fergue	Man en pol	TELEPH	ONE 47-3171	2020	DATE 05 26
TYPED OR PRINTED			POSSIBILITY OF FINE AN	1D IMPRISON		SIGNATURE OF PR EXECUTIVE DFFICER OR AUTHORI	INCIPAL	AREA M	NUMBER	YEAR	MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0

BOD sample for week of April 22 failed quality control due to DI water issue at vendor laboratory. Per advisement of vendor lab, this data was not used for regulatory reporting. 04/26/2017

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA

SC0001848 PERMIT NUMBER **MAJOR**

79 CM

001 1

DISCHARGE NUMBER

FINAL LIMITS

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

MONITORING PERIOD

DMR VALID: 07/01/2014 - 03/31/2018

LOCATION 5801 BLUFF RD

NOTE: Read Instructions before completing this form. YEAR MO MO DAY DAY YEAR FROM TO 2020 04 01 2020 04 30

PARAMETER FREQUENCY NO. SAMPLE QUANTITY OR LOADING QUALITY OR CONCENTRATION EX OF TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS ***** 50060 LAB ID: 40561 ****** GR ****** 0 01/07 ***** SAMPLE 0.07 Total Residual MEASUREMENT ****** 0.10 ***** ******* ***** MG/I Chlorine ****** ****** PERMIT 0.5 1.0 REQUIREMENT ****** MLOC=1 ***** MO AVG DAILY MX 01/07 GR ***** LAB ID: 32571 51040 01/30 GR ******* ******* ****** 0 SAMPLE 0 MEASUREMENT **** E. Coli ****** ******* (MPN/100ml) MPN/ 126 349 ******* ******* ********** PERMIT ***** MLOC=1 REQUIREMENT ****** ***** ******* 100 ML 01/30 30DAVGEO DAILY MX GR ***** 72107 LAB ID: 40561 0 01/01 CN ******* ****** ****** SAMPLE **** Length of Longest pH 0 MEASUREMENT ****** ***** ***** ***** **** MIN-UT Excursion ******* 60 PERMIT ******* ******* ***** REQUIREMENT MLOC=P ******* ES 01/01 CN **INST MAX** **** 72108 LAB ID: 40561 ****** 0 01/01 CN ********* SAMPLE ********** ***** ***** % of Time Exceeding MEASUREMENT ****** ****** ***** 0 pH Limits PER-1 PERMIT ******* ****** ******* ****** ***** CENT REQUIREMENT ***** ****** ****** 01/01 MLOC=P CN INST MAX NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM Michael Annacone **TELEPHONE** DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND DATE EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR Vice President, Columbia Fuel Operations PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR 803 647-3171 2020 05 26 GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING TYPED OR PRINTED SIGNATURE OF PRINCIPAL EXECUTIVE AREA NUMBER YEAR MO DAY THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. OFFICER OR AUTHORIZED AGENT CODE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 On April 30, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. April 8, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004. The plant discharged 29 of 30 days during April 2020.

PERMITTEE NAME/ADDRESS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	WESTINGHOUSE ELECT	RIC COMPANY I	TC.		SCO	001848				001 3	,	MA.	JOR				
ADDRESS	5801 BLUFF ROAD				PERMI	T NUMBER			DISC	HARGE N	UMBER	79	CM	FINA	AL LIMITS		
	HOPKINS, SC 29061-912	21		L													
							MONITO	RING	PERIOD	· p		DMF	R VALID:	04/01/	/2013 – 03	/31/20	18
FACILITY	WESTINGHOUSE ELEC I	LC /COLUMBIA			YEAR	мо	DAY		YEAR	МО	DAY						
LOCATION	5801 BLUFF RD			50011								NOTE:	: Read Inst	ructions l	before comple	eting this	s form.
				FROM	2020	04	01	ТО	2021	03	31						
	PARAMETER		QUAN	NTITY OR L	OADING			· · · · · · · · · · · · · · · · · · ·	QUALITY	OR CON	CENTRATION			NO. EX	FREQUENCY OF ANALYSIS	i i	MPLE TYPE
			AVERAGE	MA	XIMUM	UNITS	MINIMU	JM	AVER	RAGE	MAXIN	1UM	UNITS	4	ANALIGIO		
% Effect S	LAB ID: <u>32576</u> tatre 7 Day	SAMPLE MEASUREMENT	********	*****		*****	*******		1	1	11			0	01/YR		GR
Chr Cerioc MLOC=1	aprinia	PERMIT REQUIREMENT	******	******		*****	******		REPORT MO AVG		REPORT DAILY N		PER- CENT		01/YR		GR
		SAMPLE MEASUREMENT	<u> 1. 1978 — A STORE PERSONEL.</u>														
		PERMIT REQUIREMENT															
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Michael J. A	E PRINCIPAL EXECUTIVE OFFIC Annacone ent, Columbia Fuel Operatio	PREPARED UNI DESIGNED TO	ER PENALTY OF LAW TH DER MY DIRECTION OR S ASSURE THAT QUALIFIE	SUPERVISIO	N IN ACCORD	ANCE WITH	A SYSTEM		Left F	egus	w		TELEPH	ONE		DATE	
		PERSONS WHO	E INFORMATION SUBMIT MANAGE THE SYSTEM, HE INFORMATION, THE II	OR THOSE I	PERSONS DIRE	ECTLY RESPO	ONSIBLE FOR		left ? les Mics	harel !	lumo	10 80	03 6	647-3171	2020	05	26
	TYPED OR PRINTED	KNOWLEDGE A ARE SIGNIFICA	AND BELIEF, TRUE, ACCU INT PENALTIES FOR SUB F FINE AND IMPRISONMI	RATE, AND	COMPLETE.	I AM AWARI ATION, INCL	E THAT THERE	Š			AL EXECUTIV IZED AGENT	E AR CO		NUMBER	YEAR	мо	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chronic toxicity CTC=1.0% effluent



South Carolina Department of Health and Environmental Control

DMR Attachment for Chronic Multi-Concentration Whole Effluent Toxicity Test Results using Linear Interpolation

							1848 Discharge nu ILOC=1 CTC=1.0%	
		Monito	ring Period From	Year Month 2020 4	 	Year 70 2021	Month Day 3 31	
				Mortality D)ata	Repro	duction Data	
Date	4/19/20		Group	# Adults	# Dead	Group Average	Group Variance	
Lab ID	32576		0	10	1	22.4	42.9	
			0.25	10	1	23.1	95.2	
			0.5	10	0	26.5	70.1	
IC25=	was a second of the second of	2.3%	1	10	0	21.4	45.4	
48-hr chr	onic LC 50=	>25 %	8	9	1	2.9	27.9	
			25	10	5	0.0	0.0	
% Reprod	duction Effect at	CTC=	11%	Mortality D	Data	Repro	oduction Data	
Date			Group	# Adults	# Dead	Group Average	Group Variance	
Lab ID		·	0					
			0.25					
			0.5					
IC25=	the state of the s	%	11				and the state of t	
48-hr chr	onic LC 50=	%	8					
			25			<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	al Effect at CTC= duction Effect at							
-	e of Principal Exe tle of Principal Ex 0 (08/2005)			•	Jeff Fey Michae	pun for MA I Annacone		ne nt, Colu



Westinghouse Electric Company LLC Nuclear Fuel Columbia Fuel Site 5801 Bluff Road Hopkins, South Carolina 29061 USA

SC Department of Health & Environmental

Control

Bureau of Water

ATTN: Compliance Assurance Division

2600 Bull Street

Columbia, South Carolina 29201

Direct tel: 803-647-1000 Direct fax: 803-695-3964

e-mail: logsdocj@westinghouse.com

Our ref: LTR-RAC-20-55

SC-DHEC NPDES DMR - May 2020

June 25, 2020

Dear Sirs and Madams:

RE:

NPDES Permit #SC0001848

The enclosed Discharge Monitoring Report is submitted to fulfill the NPDES summary reporting requirements. This monthly summary covers the monitoring period from May 1, 2020, through May 31, 2020. All received sample results were within NPDES permit limits.

On May 13, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was, therefore, reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

On May 13, Ammonia-N was sampled by Westinghouse according to standard method 4500-NH3-D (selective electrode method) and by PACE according to EPA method 350.1 (gas diffusion).

On May 20 and 27, the weekly total residual chlorine (TRC) sample result tested below the PQL of 0.05 mg/l and was, therefore, reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

As communicated to you on June 12, 2020, Westinghouse impacted an 8-inch PVC Contaminated Wastewater (CWW) pipe during implementation of NPDES construction permit IW021063 as part of our efforts to close the East Lagoon. This pipe transports emergency cooling water, cooling tower blowdown, dehumidification condensate, and laboratory and floor drain wastewaters to the Contaminated Sump for treatment. During the construction activities, an excavation (about 8' x 4' and 6' deep) was completed on June 10, and a metal plate was placed over the area. When the plate was removed the morning of June 12, about 50-100 gallons of water was identified in the excavated area. Sample results of the water were 5.35E-07 uCi/ml gross alpha and 5.68E-07 uCi/ml gross beta, as analyzed by our onsite Health Physics Laboratory, and 0.03 ppm U, as analyzed by our onsite Chemical Laboratory. These results are below our internal process control limits for discharge to the Congaree River. Inputs into the line were stopped, the water was pumped out of the excavated area and repairs were completed the same day. The issue was entered into our Corrective Action Program #2020-7135. Implementation of the construction permit was successfully completed and inspected by DHEC personnel on June 19.

Page 2 of 2 Our ref: LTR-RAC-20-55 June 25, 2020

If you have any questions regarding the enclosed reports, please contact Ms. Cynthia Logsdon, Environment Health & Safety, at (803) 647-3171.

Sincerely,

WESTINGHOUSE ELECTRIC COMPANY

Michael Annacone

Vice President, Columbia Fuel Operations

WESTINGHOUSE ELECRIC COMPANY LLC NAME ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR MO DAY YEAR MO DAY

TO

2020

05

31

01

FROM

2020

05

MAJOR 79 CM FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

	QUANT	TITY OR LOADING			QUALITY OR CONCE	ENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
/ \	AVEDAGE	MAYIMI IM	LINITS	MINIMIM	AVERAGE	MAYMIM	TIMITS		ANALYSIS	
044515			*****	MINIMOM					01/07	GR
EASUREMENT	******	******	*****	8.5	****			0	01/07	GIX ——·
PERMIT REQUIREMENT	**********	*********	*****	1.0 INST MIN	*******		11.0.2		01/07	GR
SAMPLE IEASUREMENT	10.8	15.6		******	13.2	19.7		0	01/07	24
PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
SAMPLE IEASUREMENT	*********	*********	*****	6.5	******	8.0		0	01/01	CN
PERMIT REQUIREMENT	******	********	*****	REPORT INST MIN	**********	REPORT INST MAX	su		01/01	CN
SAMPLE IEASUREMENT	6	9		******	7	12		0	01/07	24
PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
SAMPLE IEASUREMENT	10	11.7		*****	12	14.7		0	01/07	24
PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07	24
SAMPLE MEASUREMENT	********	*******	*****	******	1.1	1.1		0	01/30	24
PERMIT REQUIREMENT	********	*******	*****	********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30	24
SAMPLE MEASUREMENT	0.097	0.131	•	********	*******			0	01/01	CN
PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	**********				01/01	CN
PREPARED UND DESIGNED TO A	DER MY DIRECTION OR ASSURE THAT QUALIFIE	SUPERVISION IN ACCOR D PERSONNEL PROPER	RDANCE WITH LY GATHER A	H A SYSTEM AND EVALUATE	1		TELEPH	ONE		DATE
MANAGE THE S' THE INFORMATI AMD BELIEF, TR	ION, THE INFORMATION RUE, ACCURATE, AND C	I SUBMITTED IS, TO THE OMPLETE. I AM AWARE	BEST OF MY	KNOWLEDGE /	//////////		803 6	47-3171	2020	06 25
FALSE INFORMA	ATION, INCLUDING THE		ND IMPRISON		EXECUTIVE		AREA N	IUMBER	YEAR	MO DAY
2 11 2 11 2 11 2 1 2 2 1 2	PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE REASUREMENT PERMIT REQUIREMENT SAMPLE REASUREMENT PERMIT REQUIREMENT PIEMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PIEMIT REQUIREMENT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT REQUIREMENT PERMIT REQUIREMENT REQUIREMENT PERMIT REQUIREMENT	EASUREMENT PERMIT EQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT SAMPLE REASUREMENT PERMIT REQUIREMENT SAMPLE REASUREMENT PERMIT REQUIREMENT PROPRIT REQUIR	SAMPLE EASUREMENT PERMIT EQUIREMENT SAMPLE EASUREMENT PERMIT SEQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT SAMPLE EASUREMENT PERMIT SAMPLE EASUREMENT PERMIT SAMPLE EASUREMENT PERMIT SAMPLE EASUREMENT DAILY MX SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE EASUREMENT PERMIT REQUIREMENT SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE SEASUREMENT PERMIT REQUIREMENT SAMPLE SAMPLE SAMPLE SEASUREMENT SAMPLE SAMPLE SAMPLE SEASUREMENT SAMPLE SAMPLE SEASUREMENT SAMPLE SAMPLE SAMPLE SEASUREMENT SAMPLE SAMPLE SEASUREMENT SAMPLE SAMPLE SEASUREMENT SAMPLE SAM	SAMPLE EASUREMENT PERMIT SAMPLE EASUREMENT SAMPLE EASUREMENT PERMIT 30 60 LBS/ DAILY MX DAY SAMPLE EASUREMENT PERMIT 30 AVG DAILY MX SAMPLE EASUREMENT PERMIT SAMPLE EASUREMENT PERMIT 32 64 LBS/ DAILY MX DAY SAMPLE EASUREMENT PERMIT 32 64 LBS/ DAILY MX DAY SAMPLE EASUREMENT PERMIT 32 A4 LBS/ DAILY MX DAY SAMPLE EASUREMENT PERMIT 50 DAILY MX DAY SAMPLE EASUREMENT PERMIT 50 HOO LBS/ DAILY MX DAY SAMPLE EASUREMENT PERMIT 50 DAILY MX DAY SAMPLE EASUREMENT PERMIT TO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT TO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT TO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT REPORT REPORT MGD REQUIREMENT MO AVG DAILY MX PERPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AVENUE THE INFORMATION SUBMITTED BAS DO IN MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY AMD BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISON	SAMPLE EASUREMENT PERMIT 30 60 LBS/ EQUIREMENT MO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT 32 64 LBS/ EQUIREMENT MO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT 32 64 LBS/ EQUIREMENT MO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT 32 64 LBS/ EASUREMENT MO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT 32 64 LBS/ EASUREMENT MO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT 50 100 LBS/ EAGUIREMENT MO AVG DAILY MX DAY SAMPLE EASUREMENT PERMIT TO THE SECULIAR MAN DAY SAMPLE TO THE SECULIAR MAN DAY PERMIT TO THE SECULIAR MAN DAY PERMIT TO THE SECULIAR MAN DAY REQUIREMENT MO AVG DAILY MX DAY SAMPLE TO THE SECULIAR MAN DAY THE SECULIAR MAN DAY SAMPLE TO THE SECULIAR TO THE SECULIAR THE NOT OR PERSON WHO DESCRIBED TO ASSURE THAT OUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SAMPLE EASUREMENT PERMIT 10.8 15.6 18.5 13.2 PERMIT 30 60 LBS/ MO AVG DAILY MX DAY MO AVG SAMPLE EASUREMENT 8.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5	SAMPLE EASUREMENT PERMIT EQUIREMENT 1.0 INST MIN SAMPLE EASUREMENT 1.0 INST MIN SAMPLE EASUREMENT 30 60 LBS/ DAILY MX DAY MO AVG DAILY MX SAMPLE EASUREMENT REPORT REPORT REPORT INST MIN REPORT REPORT INST MIN INST MAX SAMPLE EASUREMENT 6.5 7 12 PERMIT 40 PERMIT BEQUIREMENT 32 64 LBS/ DAILY MX DAY MO AVG DAILY MX DAY MO AVG DAILY MX SAMPLE EASUREMENT 10 11.7 12 14.7 PERMIT PERMIT 50 DAILY MX DAY MO AVG DAILY MX DAY MO AVG DAILY MX SAMPLE EASUREMENT 10 11.7 12 14.7 REPORT MO AVG DAILY MX SAMPLE EASUREMENT BEORT MO AVG DAILY MX DAY MO AVG DAILY MX SAMPLE EASUREMENT 10 11.1 1.1 1.1 1.1 1.1 1.1 PERMIT REPORT MO AVG DAILY MX SAMPLE EASUREMENT MO AVG DAILY MX SAMPLE EASUREMENT MO AVG DAILY MX SAMPLE EASUREMENT MO AVG DAILY MX AND AVG DAILY MX SAMPLE EASUREMENT MO AVG SAMPLE EASUREMENT MO AVG DAILY MX SAMPLE EASUREMENT MO AVG DAILY MX SAMPLE EASUREMENT MO AVG SAMPL	SAMPLE EASUREMENT 10.8 15.6 1.0 INST MIN 1.0	AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS SAMPLE EASUREMENT 1.0.8 1.0.	AVERAGE MAXIMUM INTS MINIMUM AVERAGE MAXIMUM UNITS SAMPLE CABUREMENT S. 5

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA

ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848 001 1 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR МО DAY YEAR MO DAY FROM TO 2020 05 01 2020 05 31

MAJOR

79 CM

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

NOTE: Read Instructions before completing this form.

MANUEL M					L		L						
AVERAGE	PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONCE	ENTRATION		1	OF	1	
0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.10 0.27 0.27 0.20 0.27 0.20 0.27 0.20			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	1	ANAL 1313		
MAME/TITLE PRINCIPAL EXECUTIVE OFFICER MARGINER PRINCIPAL EXECUTIVE OF PRINCIPAL EXECUT	50060 LAB ID: <u>40561</u> Total Residual				1		0.10	0.27	-	0	01/07	G	īR
MASUREMENT	Chlorine MLOC=1					i	· ·				01/07	G	
MIN-DC=1 126	51040 LAB ID: <u>32571</u> E. Coli				1	1	0	0		0	01/30	G	iR
Length of Longest pH EXCURSION PERMIT REQUIREMENT MLOC=P REASUREMENT SAMPLE 100 MIN-UT REQUIREMENT REQUIREMENT MEASUREMENT M	(MPN/100ml) MLOC=1							1			01/30	G	
MLOC=P REQUIREMENT	72107 LAB ID: 40561 Length of Longest pH					l .		0		0	01/01	С	:N
ASMPLE MESCREGATING MEASUREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT PERMIT REQUIREMENT INST MAX PERMIT REQUIREMENT INST MAX PERMIT REQUIREMENT INST MAX INS	Excursion MLOC=P			į.		•			1		01/01	С	N .
PERMIT REQUIREMENT PREPARE PERMIT REQUIREMENT PERMIT REQUIREMENT PREPARE P	72108 LAB ID: <u>40561</u> % of Time Exceeding							0		0	01/01	C	N.
Michael Annacone PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND Vice President, Columbia Fuel Operations EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT TYPED OR PRINTED THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. TELEPHONE TELEPHONE TELEPHONE DATE TELEPHONE TELEPHONE DATE SECULTIVE OF PRINCIPAL EXECUTIVE OF PRINCIPAL EX	pH Limits MLOC=P					-	i	1	CENT		01/01	С	ON
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Vice President, Columbia Fuel Operations EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT TYPED OR PRINTED THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SIGNATURE OF PRINCIPAL EXECUTIVE AREA NUMBER YEAR MO DAY OFFICER OR AUTHORIZED AGENT CODE	Michael Annacone	PREPARED UN	DER MY DIRECTION OR	SUPERVISION IN ACCOR	RDANCE WIT	H A SYSTEM	1		TELEPH	ONE		DATE	
TYPED OR PRINTED THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SIGNATURE OF PRINCIPAL EXECUTIVE AREA NUMBER YEAR MO DAY OFFICER OR AUTHORIZED AGENT CODE		PERSONS WHO GATHERING TH	EINFORMATION SUBMIT OMANAGE THE SYSTEM HEINFORMATION, THE I	TED. BASED ON MY INC I, OR THOSE PERSONS D NFORMATION SUBMITTE	UIRY OF THE DIRECTLY RE ED IS, TO THE	E PERSON OR ESPONSIBLE FOR E BEST OF MY		2	- 803 6	47-3171	1 2020	06	25
		THERE ARE SIG	GNIFICANT PENALTIES F TY OF FINE AND IMPRIS	OR SUBMITTING FALSE	INFORMATIONS	ON, INCLUDING S	OFFICER OR AUTHOR	IZED AGENT	CODE				DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P – Allowable PH is 6.0 -9.0 On May 20 and 27, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. May 13, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

NAME WESTINGHOUSE ELECRTIC COMPANY LLC

ADDRESS 5801 BLUFF ROAD

HOPKINS, SC 29061-9121

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

SC0001848 PERMIT NUMBER

FROM

001 2 DISCHARGE NUMBER **MAJOR** 79 CM

FINAL LIMITS

MONITORING PERIOD МО

YEAR МО DAY YEAR DAY 06 30 2020 04 01 2020 ТО

NOTE: Read Instructions before completing this form.

DMR VALID: 04/01/2013 - 03/31/2018

PARAMETER		QUAI	NTITY OR LOADING	_	QUALITY OR CONCENTRATION					FREQUENCY OF ANALYSIS		MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUN	1 UN	IITS			
00951 LAB ID: 40561 Fluoride, Total	SAMPLE MEASUREMENT	******	**********	*****	**********	2.631	3.320		0	01/07		24
MLOC=1	PERMIT REQUIREMENT	***********	**********	*****	**************************************	REPORT MO AVG	REPORT DAILY MAX	M	G/L	01/90		24
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	PREPARED UNI	DER MY DIRECTION OR S	HAT THIS DOCUMENT AN SUPERVISION IN ACCORD D PERSONNEL PROPERLY	DANCE WITH	A SYSTEM			TI	ELEPHONE		DATE	
Michael Annacone Vice President Columbia Fuel Operations	PERSONS WHO	MANAGE THE SYSTEM,	ITED. BASED ON MY INQ OR THOSE PERSONS DIRI NFORMATION SUBMITTE	ECTLY RESPO	ONSIBLE FOR			803	647-317	2019	07	23
TYPED OR PRINTED COMMENT AND EXPLANATION OF ANY VIOLA	ARE SIGNIFICA POSSIBILITY O	NT PENALTIES FOR SUB F FINE AND IMPRISONM	JRATE, AND COMPLETE. MITTING FALSE INFORM. ENT FOR KNOWING VIOL	ATION, INCL		SIGNATURE OF PRINCIF OFFICER OR AUTHOR		AREA CODE	NUMBE	R YEAR	МО	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The plant discharged 90 of 91 days during the 2nd quarter 2020. Discharge effluents were sampled weekly, 13 days of the 90 days discharged.

NAME WESTINGHOUSE ELECRIC COMPANY LLC ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD NOTE: Read Instructions before completing this form. YEAR MO DAY YEAR MO DAY

TO

2020

07

31

01

FROM

2020

07

MAJOR 79 CM FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

PARAMETER		QUAN'	TITY OR LOADING			QUALITY OR CONCI	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS		MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
00300 LAB ID: <u>40561</u> Dissolved Oxygen	SAMPLE MEASUREMENT	************ ******	*********** *****	*****	6.4	**********	*********		0	01/07	(GR
MLOC=1	PERMIT REQUIREMENT	*********	*********** ******	*****	1.0 INST MIN	*********	********			01/07	•	GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	9.7	14.7		**********	15.4	20.0		0	01/07		24
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00400 LAB ID: <u>40561</u> pH	SAMPLE MEASUREMENT	*******	*********** ******	*****	6.3	*********	8.4		0	01/01	(CN
Standard Units MLOC=P	PERMIT REQUIREMENT	*********	*********** ******	*****	REPORT INST MIN	******	REPORT INST MAX	SU		01/01	(CN
00530 LAB ID: 40561 Total Suspended	SAMPLE MEASUREMENT	16	31		***********	25	42		0	01/07		24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00610 LAB ID: <u>40561</u> Ammonia - Nitrogen	SAMPLE MEASUREMENT	6.7	9.4		***********	10.9	12.8		0	01/07		24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	**********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/07		24
00665 LAB ID: <u>32010</u> Phosphorous, Total	SAMPLE MEASUREMENT	**********	*********** ******	*****	***********	1.2	1.2		0	01/30		24
MLOC=1	PERMIT REQUIREMENT	*********	*********** ******	*****	***********	REPORT MO AVG	REPORT DAILY MX	MG/L		01/30		24
50050 LAB ID: <u>40561</u> Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.091	0.173		*********** ******	**********	*********		0	01/01	(CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	**********	************ *****	********			01/01		CN
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE Michael Annacone Vice President, Columbia Fuel Operation	PREPARED UNIDESIGNED TO A	DER MY DIRECTION OR ASSURE THAT QUALIFIE	HAT THIS DOCUMENT AN SUPERVISION IN ACCOR ID PERSONNEL PROPER O ON MY INQUIRY OF THI	RDANCE WITH LY GATHER A	H A SYSTEM AND EVALUATE			TELEP	HONE		DATE	
	THE INFORMAT AMD BELIEF, TF	ION, THE INFORMATION	SONS DIRECTLY RESPO I SUBMITTED IS, TO THE OMPLETE. I AM AWARE TING	BEST OF MY	KNOWLEDGE			803	647-3171	2020	80	19
TYPED OR PRINTED		ATION, INCLUDING THE	POSSIBILITY OF FINE AN	ND IMPRISON		SIGNATURE OF PR EXECUTIVE OFFICER OR AUTHORI	=	AREA CODE	NUMBER	YEAR	МО	DAY

OF

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA
ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1

PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD

01

2020

07

07

YEAR

2020

FROM

MAJOR
79 CM FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

MO DAY TO YEAR MO DAY NOTE: Read Instructions before completing this form.

31

LOCATION SOUT BLUFF RD			2020	07	01	2020	07	31						
PARAMETER		QUAN	TITY OR LOADING			QUALIT	Y OR CONCI	ENTRATION			NO. EX	FREQUENCY OF ANALYSIS		MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVE	RAGE	MAXIMU	M U	NITS				
50060 LAB ID: <u>40561</u> Total Residual	SAMPLE MEASUREMENT	*********	********	*****	*********		.13	0.22			0	01/07	(GR
Chlorine MLOC=1	PERMIT REQUIREMENT	*********	********** ******	*****	*********	. 0	.5 AVG	1.0 DAILY		IG/L		01/07	(GR
51040 LAB ID: <u>32571</u> E. Coli	SAMPLE MEASUREMENT	*********	*********** ******	*****	******************		0	0			0	01/30	(GR
(MPN/100ml) MLOC=1	PERMIT REQUIREMENT	************ ******	*********** *****	*****	*********		26 VGEO	349 DAILY N		IPN/ 00 ML		01/30	(GR
72107 LAB ID: <u>40561</u> Length of Longest pH	SAMPLE MEASUREMENT	*********** *****	*********** ******	*****	********* *****		******	0			0	01/01	(CN
Excursion MLOC=P	PERMIT REQUIREMENT	************ ******	*********** *****	*****	*********** *****		******	60 INST M		N-UT ES		01/01		CN
72108 LAB ID: <u>40561</u> % of Time Exceeding	SAMPLE MEASUREMENT	*********	************ ******	*****	************ ******	******	*****	0			0	01/01		CN
pH Limits MLOC=P	PERMIT REQUIREMENT	*********** ******	********** *****	*****	*********** ******		*****	1 INST MA		ER- ENT		01/01		CN
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael Annacone	PREPARED UNI	DER MY DIRECTION OR	L HAT THIS DOCUMENT AN SUPERVISION IN ACCOR D PERSONNEL PROPER	RDANCE WITH	H A SYSTEM				1	ELEPHO	ONE		DATE	
Vice President, Columbia Fuel Operations	PERSONS WHO GATHERING TH) MANAGE THE SYSTEM IE INFORMATION, THE IN	TED. BASED ON MY INQ I, OR THOSE PERSONS D NFORMATION SUBMITTE JRATE, AND COMPLETE.	DIRECTLY RES D IS, TO THE	SPONSIBLE FOR BEST OF MY				803	64	17-3171	2020	08	19
TYPED OR PRINTED	THERE ARE SIG	NIFICANT PENALTIES F	OR SUBMITTING FALSE ONMENT FOR KNOWING	INFORMATIO	N, INCLUDING			AL EXECUTIVE ZED AGENT	AREA CODE	N	UMBER	YEAR	МО	DA

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P - Allowable PH is 6.0 -9.0 The plant discharged 27 of 31 days during July 2020. On July 9, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004. On July 15, the weekly total residual chlorine (TRC) sample result tested below the PQL of 0.05 mg/l and was therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011.

NAME WESTINGHOUSE ELECRIC COMPANY LLC ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD NOTE: Read Instructions before completing this form. YEAR MO DAY YEAR MO DAY

MAJOR 79 CM

FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD			FROM 2020	06	01 TO	2020	06	30						
PARAMETER		QUAN	TITY OR LOADING			QUALITY OR	R CONCENT	TRATION			NO. EX	FREQUENCY OF ANALYSIS		MPLE YPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAG	ЭE	MAXIMUM	1 UN	ITS				
00300 LAB ID: <u>40561</u> Dissolved Oxygen	SAMPLE MEASUREMENT	*****************	*********** ******	*****	6.3	*******		******			0	01/07		GR
MLOC=1	PERMIT REQUIREMENT	***********	*********** ******	*****	1.0 INST MIN	********* ****		******		S/L		01/07		GR
00310 LAB ID: <u>10120</u> BOD – 5 Day	SAMPLE MEASUREMENT	12.8	16.6		************ ******	16.1		23.6			0	01/07		24
(20 Degrees C) MLOC=1	PERMIT REQUIREMENT	30 MO AVG	60 DAILY MX	LBS/ DAY	**********	REPOR		REPORT DAILY MX		3/L		01/07		24
00400 LAB ID: <u>40561</u> рН	SAMPLE MEASUREMENT	**********	*********** ******	*****	6.2	*******		8.7			0	01/01		CN
Standard Units MLOC=P	PERMIT REQUIREMENT	*********** *******	*********** ******	*****	REPORT INST MIN	********		REPORT INST MAX		U		01/01		CN
00530 LAB ID: <u>40561</u> Total Suspended	SAMPLE MEASUREMENT	9	13		******	12		20			0	01/07		24
Solids (TSS) MLOC=1	PERMIT REQUIREMENT	32 MO AVG	64 DAILY MX	LBS/ DAY	******	REPORT MO AVO		REPORT DAILY MX		€/L		01/07		24
00610 LAB ID: <u>40561</u> Ammonia - Nitrogen	SAMPLE MEASUREMENT	7.31	10.21		************ ******	8.88		9.57			0	01/07		24
Total as N MLOC=1	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX	LBS/ DAY	******	REPORT MO AVO		REPORT DAILY MX		3/L		01/07		24
00665 LAB ID: <u>32010</u> Phosphorous, Total	SAMPLE MEASUREMENT	*********	*********** ******	*****	************ ******	1.9		1.9			0	01/30		24
MLOC=1	PERMIT REQUIREMENT	**********	********** ******	*****	******	REPORT MO AVO		REPORT DAILY MX		3/L		01/30		24
50050 LAB ID: 40561 Flow in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.102	0.162		*********** ******	*******		*********** ******			0	01/01		CN
MLOC=1	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	*******		******				01/01		CN
NAME/TITLE PRINCIPAL EXECUTIVE (Michael Annacone Vice President, Columbia Fuel Oper	PREPARED UND DESIGNED TO A THE INFORMATI WHO	DER MY DIRECTION OR ASSURE THAT QUALIFIE ION SUBMITTED. BASED	AT THIS DOCUMENT AN SUPERVISION IN ACCOR D PERSONNEL PROPER O ON MY INQUIRY OF THI	RDANCE WITH LY GATHER A E PERSON O	H A SYSTEM AND EVALUATE R PERSONS				TE	LEPHO	ONE		DATE	
	THE INFORMATI AMD BELIEF, TR	ION, THE INFORMATION	RSONS DIRECTLY RESPO I SUBMITTED IS, TO THE OMPLETE. I AM AWARE TING	BEST OF MY	KNOWLEDGE				803	64	17-3171	2020	07	23
TYPED OR PRINTED		ATION, INCLUDING THE	POSSIBILITY OF FINE AN	ND IMPRISON		SIGNATURE EXEC OFFICER OR AU	CUTIVE		AREA CODE	N	UMBER	YEAR	МО	DAY

NAME WESTINGHOUSE ELEC LLC/ COLUMBIA
ADDRESS 5801 BLUFF ROAD, HOPKINS, SC 29061-9121

SC0001848 001 1

PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD

DAY

01

YEAR

2020

TO

MO

06

DAY

30

MO

06

YEAR

2020

FROM

GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT

THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION. INCLUDING

THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MAJOR

79 CM FINAL LIMITS

DMR VALID: 07/01/2014 - 03/31/2018NOTE: Read Instructions before completing this form.

FACILITY WESTINGHOUSE ELEC LLC /COLUMBIA

LOCATION 5801 BLUFF RD

TYPED OR PRINTED

PARAMETER FREQUENCY SAMPLE NO. QUANTITY OR LOADING OUALITY OR CONCENTRATION EX TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS ***** 50060 LAB ID: 40561 ****** 01/07 GR SAMPLE ********* ********* 0.05 ****** 0.12 Total Residual MEASUREMENT ****** ***** MG/L Chlorine ****** ****** ****** PERMIT 0.5 1.0 ***** REQUIREMENT ****** 01/07 GR ****** ****** MLOC=1 MO AVG **DAILY MX** ***** 51040 LAB ID: 32571 01/30 GR 0 ****** SAMPLE 0 0 MEASUREMENT ***** E. Coli ++++++++++++ ++++++++++++ ++++++++++++ (MPN/100ml) **** MPN/ 126 349 ***** ****** ****** **PERMIT** ***** REQUIREMENT ****** ****** ****** 100 ML 01/30 GR MI OC=1 30DAVGEO **DAILY MX** ***** CN 72107 LAB ID: 40561 01/01 +++++++++++ ****** ****** ****** SAMPLE **** Length of Longest pH 0 MEASUREMENT ****** ****** ****** ****** ***** MIN-UT Excursion ****** ****** 60 **PERMIT** ******** ****** ***** REQUIREMENT MLOC=P ****** ****** ****** ****** ES 01/01 CN **INST MAX** 72108 LAB ID: 40561 ***** ****** 01/01 CN ***** SAMPLE ****** ********* ***** % of Time Exceeding MEASUREMENT ****** ***** ****** ***** 0 **** PERpH Limits 1 ****** ***** ****** ****** **PERMIT** ***** **CENT** REQUIREMENT ****** ***** ***** ****** 01/01 CN MLOC=P **INST MAX** NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM Michael Annacone **TELEPHONE** DATE DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR Vice President, Columbia Fuel Operations PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR 803 647-3171 2020 07 23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) MLOC=P – Allowable PH is 6.0 -9.0 On June 3 and 17, the weekly total residual chlorine (TRC) sample results tested below the PQL of 0.05 mg/l and were therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. June 12, the monthly E. coli result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

AREA

CODE

NUMBER

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

МО

DAY

YEAR

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC DMR Period: 9/1/2020 - 9/30/2020

Limit Set: 0011

PARAMETER		QUANT	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX.	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
Dissolved Oxygen (00300) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		7.1	****	****		0	Weekly	Grab
Lab ID: 40561	PERMIT REQUIREMENT	****	****		1.0 Instantaneous Minimum	****	****	mg/L		Weekly	Grab
BOD - 5 DAY (20 DEGREES C) (00310) Effluent Gross (1)	SAMPLE MEASUREMENT	16.2	24.5	lbs/day	****	20.8	27.4	mg/L	0	Weekly	24-Hr Composit e
Lab ID: 10120	PERMIT REQUIREMENT	30 Monthly Average	60 Daily Maximum	-	****	***** Monthly Average	**** Daily Maximum			Weekly	24-Hr Composit e
pH (00400) See Comments (P)	SAMPLE MEASUREMENT	****	****		6.3	****	8.3		0	Daily	Continuo us
Lab ID: 40561	PERMIT REQUIREMENT	****	****		***** Instantaneous Minimum	****	***** Instantaneous Maximum	SU		Daily	Continuo us
Total Suspended Solids (00530) Effluent Gross (1)	SAMPLE MEASUREMENT	13	20	lbs/day	****	17	22	mg/L	0	Weekly	24-Hr Composit e
Lab ID: 40561	PERMIT REQUIREMENT	32 Monthly Average	64 Daily Maximum	-	****	***** Monthly Average	**** Daily Maximum			Weekly	24-Hr Composit e
Ammonia Nitrogen (as N) (00610) Effluent Gross (1)	SAMPLE MEASUREMENT	2.41	3.44	lbs/day	****	3.17	4.10	mg/L	0	Weekly	24-Hr Composit e

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system		٦	ELEPHONE		DATE	
	designed to assure that qualified personnel properly gather and evaluate the						
	information submitted. Based on my inquiry of the person or persons who						
	manage the system, or those persons directly responsible for gathering the						
	information, the information submitted is, to the best of my knowledge and						
	belief, true, accurate, and complete. Fam aware that there are significant	SIGNATURE OF PRINCIPAL EXECUTIVE	AREA	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	penalties for submitting false information, including the possibility of fine and	OFFICER OR AUTHORIZED AGENT	CODE				
TIPLO OR PRINTLO	imprisonment for knowing violations.						

Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:25 AM Page 1 of 3

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC

DMR Period: 9/1/2020 - 9/30/2020

PARAMETER		TMAUQ	TITY OR LOADING		QUALITY OR CONCENTRATION					FREQUENCY OF	SAMPLE TYPE
FARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX.	ANALYSIS	IIFE
Lab ID: 40561	PERMIT REQUIREMENT	50 Monthly Average	100 Daily Maximum		****	***** Monthly Average	**** Daily Maximum			Weekly	24-Hr Composit e
Total Phosphorus (as P) (00665) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		****	0.58	0.58	mg/L	0	Monthly	24-Hr Composit e
Lab ID: 32010	PERMIT REQUIREMENT	****	****		****	***** Monthly Average	**** Daily Maximum	J. J.		Monthly	24-Hr Composit e
Flow (50050) Effluent Gross (1)	SAMPLE MEASUREMENT	0.092	0.169	_	****	****	****		0	Daily	Continuo us
Lab ID: 40561	PERMIT REQUIREMENT	**** Monthly Average	**** Daily Maximum	MGD	****	****	****			Daily	Continuo us
Total Residual Chlorine (50060) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		****	0.07	0.14	, <u>-</u>	0	Weekly	Grab
Lab ID: 40561	PERMIT REQUIREMENT	****	****		****	0.5 Monthly Average	1.0 Daily Maximum	mg/L		Weekly	Grab
E. COLI (MPN/100ML) (51040) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		****	0	0		0	Monthly	Grab
Lab ID: 32571	PERMIT REQUIREMENT	****	****		****	126 30 Day Average Geometric	349 Daily Maximum	MPN/100mL		Monthly	Grab
LENGTH OF LONGEST PH EXCURSION (72107)	SAMPLE MEASUREMENT	****	****		****	****	0	min	0	Daily	Continuo us

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system		Т	ELEPHONE		DATE	
	designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and						
TYPED OR PRINTED	belief, true, accurate, and complete. I am aware that there are significant	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:25 AM Page 2 of 3

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC DMR Period: 9/1/2020 - 9/30/2020

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
See Comments (P) Lab ID: 40561	PERMIT REQUIREMENT	****	****		****	****	60 Instantaneous Maximum			Daily	Continuo us
% OF TIME EXCEEDING PH LIMITS (72108) See Comments (P)	SAMPLE MEASUREMENT	****	****		****	****	0		0	Daily	Continuo us
Lab ID: 40561	PERMIT REQUIREMENT	****	****		****	****	1 Instantaneous Maximum	8		Daily	Continuo us

DMR Instructions: MLOC=P - ALLOWABLE PH IS 6.0 - 9.0.

DMR Comments: Revision 11/18/2020: Ammonia data updated to include September 30 samples. TSS average data updated to include September 30 samples. These results were not included during original submission due to lab report error, discovered during preparation of October 2020 DMR.

The plant discharged 29 of 30 days during September 2020. On September 2, the weekly total residual chlorine (TRC) sample result tested below the PQL of 0.05 mg/l and was therefore reported as zero. Chlorine is analyzed by the Westinghouse onsite chemical laboratory by SM 4500-CL G-2011. On September 10, the monthly e. coli sample result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

At approximately 02:00 on 9/27/20, a pump seal in our wastewater treatment area failed, spraying a fine mist onto the rocks just outside the containment pad. The estimated quantity was less than a pint of Conversion area wastewater consisting of ammonium fluoride and uranium. The uranium concentration in the tank was 90.62 ppm U. An approximate 2 foot by 2 foot area outside the containment dike was cleaned up. No solution impacted the ground or storm drains. The issue was entered into our Corrective Action Program # 2020-10832 and reported to the Midlands EQC on 9/28/20.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system		TE	ELEPHONE		DATE	
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Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:25 AM Page 3 of 3

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC DMR Period: 9/1/2020 - 9/30/2020

At 04:42 on 10/06/2020, a sample valve was found open in our ammonia distillation process, overflowing still bottoms into the distillation building, floor trench, and nearby storm drain. A routine process sample had been pulled at 04:00. The estimated quantity spilled outside of the building was 350 gallons of water and lime, containing 27 ppm ammonia, <10 ppm fluoride, and 0.09 ppm uranium, with a pH of 11.98. This spill did not contain a reportable quantity (RQ) of any chemical. No material from the spill was discharged from the site. Lime settled in the storm water ditch system at "A Valve", about 800 feet from the site's single discharge point for storm water, "C Valve". The impacted area was less than 10' x 4' and the settled material was removed by portable pump with collection in 250-gallon plastic totes for additional sampling and proper disposal. Sample results were provided to the Midlands EQC. Aquatic life in the ditch continues to be active. The issue was entered into our Corrective Action Program as # 2020-11160.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	l Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system			TELEPHONE		DATE	
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TYPED OR PRINTED	belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:25 AM Page 4 of 3

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC DMR Period: 10/1/2020 - 10/31/2020

Limit Set: 0011

PARAMETER		QUANT	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX.	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
Dissolved Oxygen (00300) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		5.8	****	****		0	Weekly	Grab
Lab ID: 40561	PERMIT REQUIREMENT	****	****		1.0 Instantaneous Minimum	****	****	mg/L		Weekly	Grab
BOD - 5 DAY (20 DEGREES C) (00310) Effluent Gross (1)	SAMPLE MEASUREMENT	10.2	17.0	lbs/day	****	12.5	19.8	mg/L	0	Weekly	24-Hr Composit e
Lab ID: 10120	PERMIT REQUIREMENT	30 Monthly Average	60 Daily Maximum		****	***** Monthly Average	***** Daily Maximum			Weekly	24-Hr Composit e
pH (00400) See Comments (P)	SAMPLE MEASUREMENT	****	****		6.2	****	8.3		0	Daily	Continuo us
Lab ID: 40561	PERMIT REQUIREMENT	****	****		***** Instantaneous Minimum	****	***** Instantaneous Maximum	SU		Daily	Continuo us
Total Suspended Solids (00530) Effluent Gross (1)	SAMPLE MEASUREMENT	18	22	lbs/day	****	22	27	mg/L	0	Weekly	24-Hr Composit e
Lab ID: 40561	PERMIT REQUIREMENT	32 Monthly Average	64 Daily Maximum		****	***** Monthly Average	**** Daily Maximum	_		Weekly	24-Hr Composit e
Ammonia Nitrogen (as N) (00610) Effluent Gross (1)	SAMPLE MEASUREMENT	5.43	6.02	lbs/day	****	6.69	7.59	mg/L	0	Weekly	24-Hr Composit e

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system		٦	ELEPHONE		DATE	
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	information submitted. Based on my inquiry of the person or persons who						
	manage the system, or those persons directly responsible for gathering the						
	information, the information submitted is, to the best of my knowledge and						
	belief, true, accurate, and complete. Fam aware that there are significant	SIGNATURE OF PRINCIPAL EXECUTIVE	AREA	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	penalties for submitting false information, including the possibility of fine and	OFFICER OR AUTHORIZED AGENT	CODE				
TIPLO OR PRINTLO	imprisonment for knowing violations.						

Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:24 AM Page 1 of 2

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC

DMR Period: 10/1/2020 - 10/31/2020

PARAMETER		QUANTITY OR LOADING			~				NO.	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
Lab ID: 40561	PERMIT REQUIREMENT	50 Monthly Average	100 Daily Maximum		****	***** Monthly Average	**** Daily Maximum			Weekly	24-Hr Composit e
Total Phosphorus (as P) (00665) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		***** 1.4 1.4	mg/L	0	Monthly	24-Hr Composit e		
Lab ID: 32010	PERMIT REQUIREMENT	****	****		****	***** Monthly Average	**** Daily Maximum	J.		Monthly	24-Hr Composit e
Flow (50050) Effluent Gross (1)	SAMPLE MEASUREMENT	0.096	0.115		****	****	****		0	Daily	Continuo us
Lab ID: 40561	PERMIT REQUIREMENT	***** Monthly Average	**** Daily Maximum	MGD	****	****	****			Daily	Continuo us
Total Residual Chlorine (50060) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		****	0.12	0.19		0	Weekly	Grab
Lab ID: 40561	PERMIT REQUIREMENT	****	****		****	0.5 Monthly Average	1.0 Daily Maximum	mg/L		Weekly	Grab
E. COLI (MPN/100ML) (51040) Effluent Gross (1)	SAMPLE MEASUREMENT	****	****		****	0	0		0	Monthly	Grab
Lab ID: 32571	PERMIT REQUIREMENT	****	****		****	126 30 Day Average Geometric	349 Daily Maximum	MPN/100mL		Monthly	Grab
LENGTH OF LONGEST PH EXCURSION (72107)	SAMPLE MEASUREMENT	****	****		****	****	0	min	0	Daily	Continuo us

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system		Т	ELEPHONE	DATE		
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Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:24 AM Page 2 of 2

Facility Name: Westinghouse Electric Company LLC/Columbia Fuel Permit Number: SC0001848 v2.1

Fabrication Facility

Permittee Name: WESTINGHOUSE ELECTRIC COMPANY LLC DMR Period: 10/1/2020 - 10/31/2020

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
See Comments (P) Lab ID: 40561	PERMIT REQUIREMENT	****	****		****	****	60 Instantaneous Maximum			Daily	Continuo us
% OF TIME EXCEEDING PH LIMITS (72108) See Comments (P)	SAMPLE MEASUREMENT	****	****		****	****	0		0	Daily	Continuo us
Lab ID: 40561	PERMIT REQUIREMENT	****	****		****	****	1 Instantaneous Maximum	9		Daily	Continuo us

DMR Instructions: MLOC=P - ALLOWABLE PH IS 6.0 - 9.0.

DMR Comments: The plant discharged 28 of 31 days during October 2020.

On October 14, the monthly e. coli sample result tested below the PQL of 1 MPN/100 ml and was therefore reported as zero. E. coli is analyzed by Access Analytical according to SM 9223 B-2004.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system		Т	ELEPHONE	DATE		
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TYPED OR PRINTED	belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

Permit Number: SC0001848 v2.1 Generated: 11/20/2020 8:24 AM Page 3 of 2