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Sent: Wednesday, July 10, 2019 2:00 PM

To: Cassidy, Greg

Cc: cthompson@thompsonsc.com; Berresford, James; Taylor, G. Ken; Siron, Don; Porter, Henry; Preston, Heather; HAMILTON, J. HAGOOD JR (SEG Services - 6); Rusty Contrael; Reece, Myra; cpearson@scana.com; Congaree Riverkeeper; EFFINGER, THOMAS N (SEG Services - 6); Amy Cappellino (Amy.e.Cappellino@usace.army.mil); RAFTERY, JOHN (SEG Services - 6); Peter.B.McKoy@usace.army.mil

Subject: Congaree River Project Update - QTR 2 2019

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Mr. Cassidy,

The attached document serves to provide an update (Second Quarter, 2019) of significant activities/milestones to SCDHEC and stakeholders as to the progress of Dominion Energy's permitting efforts of the stakeholder-developed Modified Removal Action (MRA).

As always, please do not hesitate to reach out to me if you have any questions, or if any item in the attached document requires clarification.

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CONGAREE RIVER PROJECT

COLUMBIA, SOUTH CAROLINA

QUARTERLY REPORT – SECOND QUARTER 2019

SIGNIFICANT ACTIVITIES/MILESTONES

<u>Date</u>	<u>Milestone/Event</u>
April 2, 2019	SCE&G met with representatives from the City of Columbia to discuss the City's plans to improve the existing storm sewer system in the utility corridor on the landside of the project area and the proposed southern access route.
April 2, 2019	SCE&G provided the first Quarterly Report for 2019 to SCDHEC and the Stakeholders.
April 2, 2019	SCDHEC conducted a public meeting to discuss the Stakeholder-developed MRA Plan.
April 11, 2019	SCDHEC provided a summary of the feedback that they had received regarding the Congaree River Public Meeting held on April 2, 2019 to DESC.
April 12, 2019	SCE&G provided a status update and a copy of the first Quarterly Report to the USACE.
April 15, 2019	SCE&G notified SCDHEC that the surface water sampling event planned for the week of April 15 th had to be postponed due to high water and safety concerns.
April 15, 2019	SCANA/SCE&G became Dominion Energy South Carolina, Inc. (DESC)
April 16, 2019	DESC provided the Hydraulic Backwater Analysis / 100-Year No-Rise Certification for the stakeholder-developed MRA cofferdam footprint to the USACE. A link to the computer-generated calculations and results was included in the email. An update on additional, on-going, engineering studies associated with the cofferdam approach was also provided.
April 30, 2019	DESC provided an update on the schedule for the field work related to the Surface Water sampling event (May 3 rd , 2019) to SCDHEC.
April 30, 2019	DESC completed a routine river inspection and outfall inspection.
May 3, 2019	DESC collected nine (9) Surface Water Samples from the Congaree River and other approved locations, per the approved Work Plan.
May 16, 2019	DESC notified the USACE that DESC was going to contact the local Floodplain Coordinators and inform Floodplain Coordinators about the impending "No-Rise / No-Impact Certification" information submitted to the USACE on April 16, 2019. DESC also inquired as to the specific individual contact information. Lastly, DESC



inquired about the status of a contemplated conference call to discuss the April 16, 2019 submittal with the USACE.

- May 16, 2019 DESC completed the routine river inspection.
- May 17, 2019 USACE provided a link to a Directory of Local National Flood Insurance Program (NFIP) Administrators based on the May 16th request. The USACE also provided an initial comment that the pictures in the Memo are difficult to see and requested that DESC provide better, or clearer figures.
- June 3, 2019 DESC provided notification to the appropriate Floodplain coordinators for Lexington and Richland Counties, the City of Columbia and South Carolina Department of Natural Resources (SCDNR). The notification provided a status update on the Congaree River Project and alerted the recipients of the impending “No-Rise Certification” (April 16, 2019 submittal) currently under review by the USACE.
- June 6, 2019 DESC completed the routine river inspection.
- June 12, 2019 Heather Brown, Floodplain Manager for Richland County, provided an acknowledgement that she had received the notification from DESC sent on June 3rd, 2019.
- June 13, 2019 DESC provided an update to the USACE consisting of the names of the four (4) Floodplain Managers notified on June 3rd, 2019. Also included in this email were four (4) “improved” figures from the April 16th, 2019 submittal. Additionally, DESC suggested that it would be extremely helpful to schedule a conference call to discuss the April submittal.
- June 26, 2019 DESC submitted the Fourth Semi-Annual Surface Water Assessment Report to SCDHEC.

Dominion Energy South Carolina, Inc.
Congaree River Site
Columbia, South Carolina

Projected Schedule - Revised 07-01-19
Second Quarter - 2019

	<u>Item Description</u>	<u>Targeted Completion Date</u>	<u>Notes</u>
	Cofferdam "Riverside" Design/Permit Associated Work	1 Backwater Analysis / No-Rise Certification	3/31/2019
2 DHEC Public Meeting - Present Stakeholder-Developed MRA		4/2/2019	
3 USACE - Backwater / No Rise Analysis Review		7/30/2019	04/16/19 - Submitted, awaiting initial conference call seeking comments
4 Rock filled Cofferdam vs. Cellular Sheetpile Evaluation		6/30/2019	On-going, may reduce overall footprint of cofferdam and reduce / eliminate adverse effects on the western shoreline and catastrophic failure of a rock filled cofferdam, 1st draft under review
5 Local Floodplain Review/Approvals		7/30/2019	06/03/19 - Provided Initial Notification to Floodplain Coordinators and advised of future submittal
6 Develop Lower Flow Sensitivity Study		8/31/2019	Started, requires No-Rise computer model "approval" [Item #3], prior to finalizing
7 USACE - Lower Flow Sensitivity Study Review		9/30/2019	
8 Berm Height Evaluation/Cofferdam Design		10/31/2019	
9 Cofferdam Leakage Estimates/Stability Analysis		11/30/2019	

	<u>Item Description (Assumes Limited Access is Available)</u>	<u>Targeted Completion Date</u>	<u>Notes</u>
	"Landside" Design/Permit Associated Work	10 Preliminary Utility Clearances	12/30/2019
11 Design Access Route		1/31/2020	To be completed AFTER "riverside" design/permit work has been "deemed sufficient"
12 Unnamed Tributary #2 Creek Crossing Design		1/31/2020	To be completed AFTER "riverside" design/permit work has been "deemed sufficient"

	<u>Item Description</u>	<u>Targeted Completion Date</u>	<u>Notes</u>
	"Completed" Permit Submittal / Review	13 Develop (Revise) Support Plans	3/31/2020
14 USACE - Joint Application Submittal		3/31/2020	Revised date for "completed" application submittal
15 USACE Application Review/Approval		10/1/2020	Receive USACE Permit (Assumed 6-month review period)
16 USACE UXO Review/Approval		10/1/2020	
17 SHPO Review/Approval		10/1/2020	
18 USCG Navigation Plan Review/Approval		5/30/2021	Can not be submitted until the USACE Permit has been Received

	<u>Item Description</u>	<u>Targeted Completion Date</u>	<u>Notes</u>
	MRA Work Plan - SCDHEC & Other Approvals	19 Final MRA Work Plan Submittal to SCDHEC	5/31/2020
20 Final DHEC Review/Approval (Includes Public Meeting)		11/30/2020	
21 Disposal Approvals		1/31/2021	
22 Access Agreement(s)		3/31/2020	
23 City Landside Approvals		5/31/2020	
24 Access Improvements Contractor Procurement		7/31/2020	
25 Central and South Access Improvements		12/31/2020	

	<u>Item Description</u>	<u>Targeted Start Date</u>	<u>Targeted Completion Date</u>
	Remediation Field Activities	26 Remediation Contractor Procurement	1/1/2021
27 Site Operations Set-up		4/1/2021	5/1/2021
28 Implementation Phase 1 (Area 1A)		5/1/2021	10/31/2021
29 Implementation Phase 2 (Area 1B)		5/1/2022	10/31/2022
30 Implementation Phase 3 (Area 2)		5/1/2023	10/31/2023
31 Implementation Phase 4 (Contingency)		5/1/2024	10/31/2024
32 Restoration		11/1/2024	12/31/2024
33 Documentation Report			6/30/2025

 - Completed
 - In Progress