

Strickland, Bev

From: Spencer Trichell <Spencer.Trichell@dominionenergy.com>
Sent: Wednesday, January 17, 2018 4:29 PM
To: Higgins, Karen
Cc: Richard B Gangle
Subject: [External] RE: Impact and Mitigation Numbers

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Karen, we revisited the impact and mitigation numbers and provide the latest numbers below. These match the mitigation plan and letters of reservation. Let me know if you have any questions.

IMPACTS:

Type of Impact	Amount (units) Permanent	Amount (units) Temporary
404 Wetlands	0.80 (acres)	453.45 (acres)
Perennial Stream	160 (linear feet)	14,524 (linear feet)
Non-perennial Stream	606 (linear feet)	20,876 (linear feet)
Open Waters ^A	0.00 (acres)	0.44 (acres)
Tar-Pamlico Buffer Sub-basin 03020102		
Buffer Zone 1	73,084 (square feet)	0 (square feet)
Buffer Zone 2	54,610 (square feet)	0 (square feet)
Tar-Pamlico Buffer Sub-basin 03020101		
Buffer Zone 1	71,737 (square feet)	0 (square feet)
Buffer Zone 2	69,590 (square feet)	0 (square feet)
Neuse Buffer Sub-basin 03020203		
Buffer Zone 1	52,734 (square feet)	0 (square feet)
Buffer Zone 2	58,274 (square feet)	0 (square feet)
Neuse Buffer Sub-basin 03020201		
Buffer Zone 1	114,544 (square feet)	0 (square feet)
Buffer Zone 2	95,141 (square feet)	0 (square feet)

^A See below re info needed for open water impacts.

BUFFER MITIGATION:

Compensatory Mitigation Amount	River & Sub-basin Number
301,168 (square feet)	Tar-Pamlico 03020102
318,868 (square feet)	Tar-Pamlico 03020101
245,612 (square feet)	Neuse

	03020203
486,344 (square feet)	Neuse 03020201

For purposes of analysis the workspace limit has been used to evaluate the acreage of the open water features within the planned work area. Permanent impacts to open water ponds are not planned. In a number of cases where the pond is adjacent to an access road or adjacent to the mainline centerline, it is possible that there will be no impacts to these open water features, as equipment will likely pass along the edge of the pond and not cross within the pond unnecessarily.

Single Complete Crossing ID	MP	Feature ID	County	HUC 8	Project Facility Crossed	Pipeline Centerline Crossing Length (Feet)
NC AP-2 026	11.8	ohl001	Halifax County	03010107	Perm ROW, Temp ROW	1
NC AP-2 049	17.2	ohlp001	Halifax County	03010107	Perm ROW	16
NC AP-2 153	54.5	onag003	Nash County	03020101	Perm AR	Not Crossed by Pipeline Centerline
NC AP-2 173	62.8	onao003	Nash County	03020203	Perm ROW, Temp ROW	Not Crossed by Pipeline Centerline
NC AP-2 173	62.9	onao002	Nash County	03020203	Perm ROW	Not Crossed by Pipeline Centerline
NC AP-2 177	64.6	onao001	Nash County	03020203	Temp ROW	Not Crossed by Pipeline Centerline
NC AP-2 281	97.2	ojor001	Johnston County	03020201	Perm AR	Not Crossed by Pipeline Centerline
NC AP-2 301	104.4	ojoa004	Johnston County	03020201	Temp ROW	Not Crossed by Pipeline Centerline
NC AP-2 307	108.1	ojob100	Johnston County	03020201	Temp ROW	Not Crossed by Pipeline Centerline
NC AP-2 315	114.1	ojop008	Johnston County	03020201	Perm AR	Not Crossed by Pipeline Centerline
NC AP-2 331	121.9	osao002	Sampson County	03030006	Perm ROW, Temp ROW	102
NC AP-2 331	122.5	osag001	Sampson County	03030006	Perm AR	Not Crossed by Pipeline Centerline
NC AP-2 388	141.6	ocme020	Cumberland County	03030004	Temp CPY	Not Crossed by Pipeline Centerline
NC AP-2 456	161.8	oroh003	Robeson County	03040203	Temp ROW	Not Crossed by Pipeline Centerline
NC AP-2 492	177.6	orop001	Robeson County	03040203	Perm ROW, Temp ATWS, Temp ROW	28

Thanks,

Spencer

From: Higgins, Karen [mailto:karen.higgins@ncdenr.gov]
Sent: Wednesday, January 17, 2018 12:29 PM
To: Spencer Trichell (Services - 6)
Subject: [External] Re: Impact and Mitigation Numbers

Spencer-

Do you think you can get me this info by Friday?

Thanks-
Karen

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Department of Environmental Quality

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From: Higgins, Karen
Sent: Tuesday, January 16, 2018 3:50:09 PM
To: Spencer Trichell
Subject: Impact and Mitigation Numbers

Spencer-

Can you double check that these numbers match the numbers you all have for impacts and buffer mitigation?

IMPACTS:

Type of Impact	Amount (units) Permanent	Amount (units) Temporary
404 Wetlands	0.80 (acres)	453.49 (acres)
Perennial Stream	160 (linear feet)	15,068 (linear feet)
Non-perennial Stream	606 (linear feet)	20,771 (linear feet)
Open Waters ^A	## (acres)	## (acres)
Tar-Pamlico Buffer Sub-basin 03020102		

Buffer Zone 1	130,594 (square feet)	0 (square feet)
Buffer Zone 2	87,029 (square feet)	0 (square feet)
Tar-Pamlico Buffer Sub-basin 03020101		
Buffer Zone 1	227,188 (square feet)	0 (square feet)
Buffer Zone 2	149,259 (square feet)	0 (square feet)
Neuse Buffer Sub-basin 03020203		
Buffer Zone 1	139,975 (square feet)	0 (square feet)
Buffer Zone 2	97,327 (square feet)	0 (square feet)
Neuse Buffer Sub-basin 03020201		
Buffer Zone 1	151,081 (square feet)	0 (square feet)
Buffer Zone 2	121,757 (square feet)	0 (square feet)

^A See below re info needed for open water impacts.

BUFFER MITIGATION:

Compensatory Mitigation Amount	River & Sub-basin Number
289,519.5 (square feet)	Tar-Pamlico 03020102
304,210.5 (square feet)	Tar-Pamlico 03020101
244,143.0 (square feet)	Neuse 03020203
397,866.0 (square feet)	Neuse 03020201

Also, I need temporary and permanent impacts for open waters (in acres) for the 15 open water impacts; right now the impacts are listed as N/A in the application. **Please provide a spreadsheet as follows:**

Single Complete Crossing ID	MP	Feature ID	County	HUC 8	Project Facility Crossed	Pipeline Centerline Crossing Length (Feet)	Temporary Impacts (acre)	Permanent Impacts (acre)

If you have any questions let me know. I'm anticipating being out of the office Wednesday and Thursday this week due to weather but should be back on Friday.

Thanks-
Karen

Karen Higgins
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<https://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits>

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