

Robert J. Wayne

From: Robert J. Wayne
Sent: Friday, January 05, 2018 11:18 AM
To: Dale Perryman; bille@a2h.com; Jimmy R. Smith; Lew Hoffman
Subject: Re: Updated Application Materials Permit No. NRS 17.147.

Dale,

Thank you for the updated applications materials. Given the proximity to the existing sewer infrastructure and the actively eroding banks the Division agrees that the work is needed and has adequate justification. However, even though the project is needed to meet important social and economic needs for the city, this does not obviate the requirement of compensatory mitigation per the Divisions rules. I called Mr. Edwards yesterday to make him aware of this and to see if we could start brainstorming on some possible solutions.

Currently the division assess the impact of one streambank of hard armoring at a debit ratio of 0.5:1 and the impact of hard armor along both banks and/or the stream channel bottom at a ratio of 0.75:1. This would result in a total of 678 [(440*0.5) + (610*0.75)] debits from the hard armor that would need to be offset through some form of compensatory mitigation.

If the grade control structures are set low enough and do not act as a barrier to the movement of fish and aquatic life these will not likely require compensatory mitigation. The placement of the TRM would require limited monitoring to ensure that vegetation was able to establish. Any locations currently without a riparian buffer where one is establish may be good areas for mitigation credit generation. I understand some areas will need to be kept clear due to exisiting utility lines.

Given the current constraints of the project and from my conversation with Mr. Edwards, it appears a reduction in impact may be difficult. However, if this is possible this could reduce the mitigation required. Common activities that can generate stream mitigation credits include establishing or widening riparian corridors, addressing streambank and/or streambed erosion, invasive species management in riparian corridors, adjustments to stream pattern, plan, and profile, preservation of high quality streams through land use restrictions, amongst others. The different mitigating activities are also assessed through a linear footage based ratio system. In general the more impaired a stream is and the more involved the work to restore the stream, the better the ratio. If the city owns any land nearby with streams on the property this may be a good place to start.

I am happy to help with any additional questions. I have also included Lew in this email as he may have some ideas and likely is familiar with the project location.

Thanks,
Robert

From: Dale Perryman <dperryman@ci.collierville.tn.us>
Sent: Tuesday, December 26, 2017 9:04:28 AM
To: Robert J. Wayne
Subject: RE: Updated Application Materials Permit No. NRS 17.147.

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Robert,

Attached is the updated application material for permit No. NRS 17.147.
Please let me know if you need anything else.

Thank you,

Dale Perryman, P.E.

Town Engineer

Town of Collierville

Dperryman@ci.collierville.tn.us

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From: Robert J. Wayne [<mailto:Robert.J.Wayne@tn.gov>]

Sent: Monday, December 18, 2017 1:04 PM

To: Dale Perryman <dperryman@ci.collierville.tn.us>

Cc: bille@a2h.com

Subject: RE: Updated Application Materials

Yes email is acceptable for any submittal. Enjoy the time off!

From: Dale Perryman [<mailto:dperryman@ci.collierville.tn.us>]

Sent: Monday, December 18, 2017 1:03 PM

To: Robert J. Wayne

Cc: bille@a2h.com

Subject: Re: Updated Application Materials

Robert

I am off this week, I will check and see if there is additional items I need to send. If this is something I can email you will that be acceptable?

Dale

Sent from my iPhone

On Dec 18, 2017, at 1:49 PM, Robert J. Wayne <Robert.J.Wayne@tn.gov> wrote:

Dale,

We recently received updated application materials for NRS 17.147. The reply for question two states sections 10.1 and 10.2 were added with an addition to section 10.3 as well. We did not receive these

additions. I think there may have been additional revised application materials we did not receive. Attached is the information we received.

Also, are you proposing to use only the 100% coconut fiber or to use this and Tensar North American Green Vmax SC250 ?

Thanks,
Robert

<NRS_17.147ResponsetoRAI_12112017.pdf>