

Vermont Department of Environmental Conservation

Watershed Management Division
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Agency of Natural Resources

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2/10/2022

Black Rock Construction
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Michael Bissonette
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RE: Review of Haystack Operational Stormwater Permit Application Material (6624-9050)

To whom it may concern:

An application for operational stormwater permit coverage for the Haystack Development was deemed administratively complete on 11/08/2021. I conducted technical review of the application material as submitted for compliance with the requirements of 2017 Vermont Stormwater Management Manual.

Based on the modeling, plans and worksheets the stormwater practices have been designed in compliance with the required treatment standards and stormwater practice criteria. The modeling indicates that the conveyance system is sized to convey the runoff to the practices without overflow through the 10-year storm event.

The model does show the peak elevation of the storm drain network exceeded in a number of locations during the Extreme Flood Event (Q100). An evaluation of the ponding area or a more specific analysis of the actual pipe network would help understand what potential impacts to structures there are. As noted above the stormwater STPs themselves (gravel wetlands and pretreatment) have been sized in conformance with the 2017 VSMM requirements through the Q100 event, and therefore the practices would not require adjustment in size based on the surface ponding during the Extreme Flood Event.

Given the wetlands and potential floodplains impacts we will wait for the applicant to initiate the review from those programs and the flooding analysis before we put this permit authorization out for public notice.

Sincerely,



Winn Wilson, Vermont DEC