

Kochis, Steve

From: Laskin, Anna <Anna.Laskin@ct.gov>
Sent: Wednesday, August 19, 2020 11:27 AM
To: Kochis, Steve
Cc: Christopher Ross; Hall, Ivonne
Subject: [External] Mulnite & Boombridge Dam Safety Determination

Hello Steve,

Per your request, staff of the Dam Safety Program reviewed the Mulnite and Boombridge Solar proposals to determine the Dam Safety permitting requirements for the construction of new stormwater basins located in East Windsor and North Stonington.

Mulnite Solar, East Windsor -

The three basins proposed at this location will not be classified as dams as they are not designed to impound water above existing grade.

Boombridge Solar, North Stonington -

Staff of the Dam Safety Program evaluated the conditions downstream of the three proposed stormwater basins at this location. We reviewed the downstream topography and land use/land cover using the Geographic Information System software and reviewed the hydrologic analysis of the culvert located at Anthony Road as well as other supporting documentation submitted with the proposal.

As a result of the above mentioned review, it was determined that the Stormwater Basin #9 will not be classified as a dam as it is not designed to impound water above existing grade. Based on the storage capacity of the proposed Stormwater Basins #7 and #8, it was determined that the failure of the proposed stormwater basins' berms will not cause any measurable damage to roadways, any measurable damage to land and structures, and if the proposed berms were to fail, the failure would cause negligible economic loss. You are being notified that the proposed berms for Stormwater Basins #7 and #8 have been assigned a hazard classification of "AA", which classifies the structures as negligible hazard potential dams.

You will not be required to obtain a dam construction permit from DEEP Dam Safety Program and in accordance with Connecticut General Regulation 22a-409 no regulatory inspections are required for "AA" classified dams. Negligible hazard class dams fall under the jurisdiction of the Town. However, once the dams are constructed you must contact DEEP Dam Safety Program to receive the registration forms and have the dams registered with the State.

Please note that if the condition and the land use downstream of the proposed dams change, a new determination on dams' hazard classification will need to be obtained from DEEP.

Please let me know if you have any questions regarding this determination.

Anna

Anna Laskin, Civil Engineer

Connecticut Department of Energy and Environmental Protection
Bureau of Water Protection and Land Re-Use
Water Planning and Management Division
79 Elm Street, Hartford, CT 06106-5127

Phone: 860-424-3522 | Fax: 860-424-4075



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From: Kochis, Steve <skochis@VHB.com>
Sent: Wednesday, July 22, 2020 10:27 AM
To: Hall, Ivonne <Ivonne.Hall@ct.gov>
Cc: Laskin, Anna <Anna.Laskin@ct.gov>; Christopher Ross <cross@greenskies.com>
Subject: Mulnite & Boombridge Dam Safety Memos

Hi Ivonne,

This email is in reference to two projects which were discussed at a CTDEEP pre-application meeting on June 3, 2020. Our intent is to hear from your Division that our stormwater basins for each project are either not classified as dams and/or are classified as "class AA" dams (low impact).

Regarding Mulnite Solar in East Windsor, we believe that the three proposed basins should not be classified as dams for the reasons outlined in the memo.

Regarding Boombridge Solar in North Stonington, we analyzed the downstream impacts of berm failure for the 3 proposed stormwater basins which discharge towards residential property along Anthony Road. As a result of the investigation, we believe 1 of the 3 basins should not be classified as a dam as it does not impound water above existing grade, and believe that the other two basins are classified as low impact for the reasons outlined in the memo.

In your review of these two memos, feel free to reach out to me and/or Chris – the project manager for the applicant – should you have any questions.

Thank you very much for your assistance in the matter.

Steve Kochis, PE
Senior Project Engineer



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109-2377

P 860.807.4375 | F 860.372.4570
skochis@vhb.com

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