STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

Jewel Mullen, M.D., M.P.H., M.P.A.
Commissioner

Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

June 23, 2014

Ward Gunn, Quality Control Manager
Haynes Materials
32 Progress Avenue
Seymour, CT 06483

RE: Manufactured Select Fill

Dear Mr. Gunn:

This Department has reviewed the technical support documentation you submitted on your manufactured select fill. The information was submitted in accordance with the Technical Standards' requirement that suppliers of manufactured select fill provide an annual product registration to our Department for review. Your operation includes three quarries that are located in Deep River, Naugatuck and Torrington.

The following information has been submitted in accordance with the Technical Standards' requirements:

1.) Narrative of the quality control / quality assurance (QC/QA) program.
2.) Sieve analysis meeting the gradation criteria listed in the Technical Standards.
3.) Abrasion and impact test with a material loss of abrasion not more than 50%.
4.) Soundness evaluation with a result of a material loss not more than 15%.
5.) Permeability test.

The documentation submitted for your manufactured select fill has been found to be acceptable. This office hereby approves Haynes Materials manufactured sand as select fill for the Deep River, Naugatuck and Torrington quarries. It should be noted that the local health department or design engineer may require a sieve analysis and in some instances permeability testing of the on-site material to confirm compliance with design criteria. All fill material must meet the gradation requirements in the Technical Standards unless the project's design engineer authorizes its use.

The Haynes Materials must continue an ongoing QC/QA program that monitors the quality of manufactured fill distributed for septic system installations in order to ensure an acceptable product. This office must be notified if future testing identifies material that does not comply with the criteria / standards noted above. Only manufactured fill meeting these specifications is

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approved for use as select fill. This approved manufactured fill registration is limited to 1 year and will expire on June 30, 2015. Next year's annual registration must be submitted for review and approval prior to July 1, 2015.

Engineers, installers, and local health departments must be made aware that you are distributing manufactured select fill. Sales slips and in house records should specify the product purchased. Typical specifications on engineer's plans call for a bank run product. These specifications would have to be modified in order for your manufactured sand to be utilized in an engineered design.

Feel free to reproduce this letter in its entirety as a means of notifying applicable parties of this office's approval. This approval is not to be construed as an endorsement of your product or any other select fill. If you have any questions or would like to further discuss this matter please contact this office.

Sincerely,

Matthew A. Pawlik, P.E., R.S.
Sanitary Engineer III
Environmental Engineering Program

C: Robert Scully, P.E., Supervising Sanitary Engineer, Environmental Engineering Program