U.S. Department of Homeland Security
Region I
99 High Street, 6th Floor
Boston, Massachusetts, 02110-2320

FEMA

May 21, 2015

Craig Musselman, Chairperson
Board of Selectmen
Town of Rye
Town Hall
10 Central Road
Rye, New Hampshire 03870-2522

Subject: Additional Data Request
Community: Town of Rye
Rockingham County, New Hampshire
Community No.: 330141

Dear Mr. Musselman:

This request is in response to the letter dated April 21, 2015 in reference to additional data required for a submittal dated November 28, 2014, received by FEMA on December 1, 2014, for the proposed Base (1-percent-annual-chance) Flood Elevations (BFEs) and Special Flood Hazard Area (SFHA) boundary for coastal flooding in the vicinity of 2220 Ocean Boulevard, Rye NH, dated April 9, 2014.

Your community submitted the following data thus far:

- Wave setup using SWAN 1-D modeling for TR-39
- Base Flood Elevations determined using the above wave setup
- Flood mapping using the above data

In order to proceed with evaluation of this submission please submit the following:

1. *Assumption of 1 foot of scour at the toe of the structure.* Please provide supporting data to verify the assumption of a1 foot scour depth. Examples of such data could be field investigations, historical data, survey and/or as-built drawings of the structure detailing the depth of the toe. **Please submit supporting data as described.**

2. *The use of sloping revetment methodology to model a vertical seawall.* In regards to the above mentioned vertical structure and scour, the methodology for modeling vertical structures, as outlined in the FEMA Atlantic Ocean and Gulf of Mexico Coastal Guidelines should be used. . **Please submit corrected calculations following the FEMA Guideline or detailed justification utilizing other appropriate methodologies.**

3. *Delineation of the proposed AO zone depth of 1 foot mapped to the footprint of FEMA's AO zone depth of 3 feet.* The extent of the AO zone is dependent upon the depth of the modeled AO zone and will need to be delineated landward of the Primary Frontal Dune (PFD) and the surrounding topography. Therefore, the proposed AO zone should be modified, in accordance with the reduced AO zone depth or supplemental data should be supplied to support mapping the AO depth of 1 foot to the extent of the AO depth 3 feet's footprint. **Please provide correction or justification to the AO zone.**

Please submit the additional data as described above within **30 days** of the date of this letter to the following:

Fay Rubin, Project Manager
Earth Systems Research Center
Eight College Road
University of New Hampshire
Durham, New Hampshire 03824

and/or

John Grace, CFM
Mitigation Risk Analysis Branch
FEMA Region I
99 High Street, Sixth Floor
Boston, Massachusetts 02110

The evaluation of this submittal has been suspended pending receipt of the requested data. If the requested data is not furnished within the time frame indicated above, the case will be evaluated based on the information provided in the original submittal. FEMA will issue a Letter of Final Determination to finalize the preliminary FIRM and FIS report once all submittals received have been resolved.

We appreciate your community's commitment to having the most accurate flood hazard information available reflected on the FIRM and in the FIS report. If you have any questions regarding this matter, please contact John Grace of my office by telephone at (617)-832-4175 or by email at John.Grace@fema.dhs.gov.

Sincerely,

Marilyn Hilliard, Chief
Mitigation Risk Analysis Branch
FEMA Region 1

cc: Peter Rowell, Building Inspector, Town of Rye
Michael Magnant, Town Administrator, Town of Rye
Kim Reed, Planning and Zoning Administrator, Town of Rye
Mike Labrie, Chairperson, Rye Beach commission, Town of Rye
Jennifer Gilbert, CFM, State NFIP Coordinator, New Hampshire Office of Energy and Planning
Fay Rubin, Project Manager, Earth Systems Research Center, University of New Hampshire
Mitchell Buck, P.E., Coastal Engineer, Woods Hold Group
Edward O'Meara, Homeowner