IRA A. FULTON COLLEGE

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Project Status Report: CEEn-2018CPST-008

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Project Title: Kiewit North Carolina LNG Storage Facility Geotech Evaluation

 1) Summary of technical/non-technical challenges encountered Accepted correlations are required to perform the soil analysis and obtain bearing capacity from SPT blow counts and soil profiles, but are not known. Seismic design category needs definition. 	 2) Team approaches & resolutions to overcome challenges Approach mentor regarding accepted correlations. Follow process given in North Carolina Building Code 2018 for seismic design category.
 3) Status of challenge resolutions & potential project impact Seismic design category definition according to 2018 North Carolina Building Code, 1613. Mentor provided correlations from Soil Mechanics in Engineering Practice by Terzaghi. 	 4) Project status & summary Completion pending approval: Seismic Design Category defined according to 2018 North Carolina Building Code: <u>C</u> Current Focus: Soil Analysis and Bearing Capacity via correlations Long term settlement goes beyond the scope of the provided data and will not be addressed.