

Planning Board Meeting

SLODA, NRPA, Air, and MEPDES

Nordic Aquafarms, Inc.

Belfast, Maine

October 9, 2019

Air

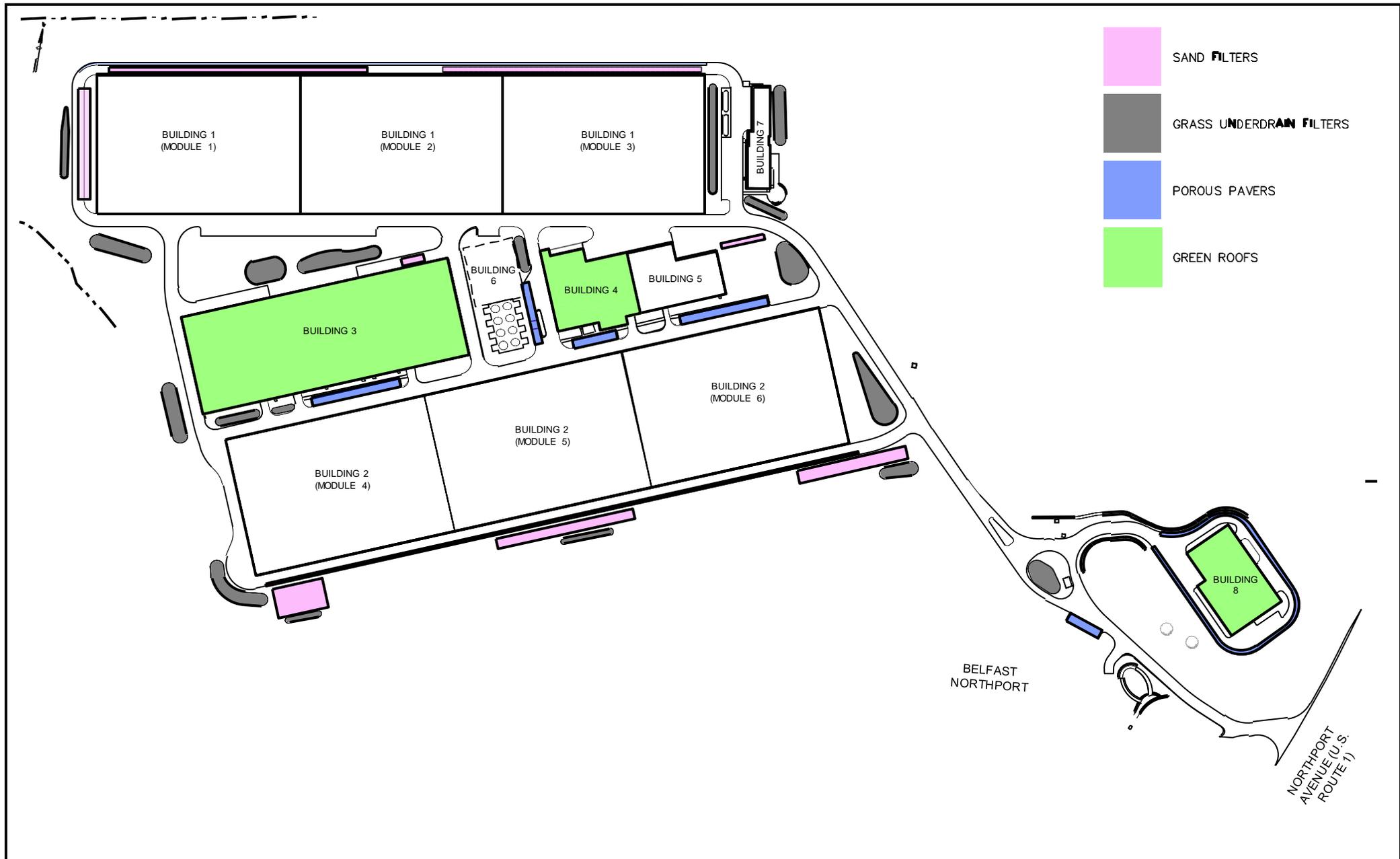
Applicable Regulatory Programs

- *City of Belfast (Code of Ordinances Chapter 90 – Site Plans)*
 - *Sec. 90-42(b)(1): Pollution. The proposed development will not result in undue water or air pollution.*
 - *Sec. 90-42(b)(27): Prevention or Control of Air Pollution. No use shall be allowed which creates a substantial risk of air pollution, whether by dust, chemicals, odor or otherwise, which would pose a significant risk of harm to local populations within the City or injury to wildlife, vegetation, or to the property, or harm to use and enjoyment of surrounding property. It is not the intent of this provision to merely require compliance with state or federal air quality standards, but rather enforce a standard that may be more encompassing or strict than those state and federal standards as presently constituted.*
- **State of Maine**
 - **Chapter 115 “Minor” New Source Review Licensing Program**
 - Classification - “Minor” Source of Air Emissions
 - Requires application of Best Available Control Technology (BACT)
 - Must also comply with Federal Tier 4 Emission Standards

Air

Regulated Sources of Air Emissions

- Eight 2-MW Engines
 - Generate electricity to support on-site demand
 - Fuel – Ultra Low Sulfur Diesel
 - Combustion emissions vent to stacks located near Building #5
 - Limited to 10% of Design Capacity



Air

The project will not result in “undue” air emissions or pose a “substantial risk” because:

- Operational Limits
 - Limited to about 10% of Design Capacity
 - Use of ultra-low sulfur diesel (ULSD) with a sulfur content less than or equal to 15 ppm
 - Classification by the State as a “Minor” Source
- State of the Art Pollution Controls
 - Diesel Particulate Filter (DPF)
 - Diesel Oxidation Catalysts (DOC)
 - Selective Catalytic Reduction (SCR)