

21.0 AIR EMISSIONS

Nordic Aquafarms plans to construct a central utilities plant that will provide electrical and heating to its proposed aquaculture facility. The proposed fuel burning equipment is regulated by Maine Department of Environmental Protection Chapter 115. Plant electrical needs will mainly be supplied by the local utility; however, Nordic Aquafarms will supplement this with a 14 MW reciprocating engine bank, consisting of Eight 2-MW Diesel Engines (one will serve as a back-up). Potential combustion related air emissions will be limited by fuel usage caps to ensure that potential emissions remain below the “major” source thresholds.

The proposed engine sets that will each meet manufacturer mandated Tier 4 standards using state-of-the-art air pollution controls, which include Selective Catalytic Reduction, Oxidation Catalyst, and a Particulate Filter. The proposed boilers will be small package units fueled by inherently clean burning propane gas.

An application for a New “Minor” Source Air Emission License has been prepared and is included as **Appendix 21-A**.

Additionally, Nordic Aquafarms will be subject to Standard Condition 4, which addresses ongoing fugitive dust. This condition is written into every Chapter 115 license issued by the Bureau of Air Quality. Included as **Appendix 21-B** is a fugitive dust standard operating practice (SOP) developed to comply with this standard.

APPENDIX 21-A

Chapter 115 Air Emission License Application

APPENDIX 21-B

Fugitive Dust Standard Operating Practice