Burke, Ruth A

From:	Shana Hanson <shanahanson@gmail.com></shanahanson@gmail.com>
Sent:	Sunday, February 16, 2020 10:56 PM
То:	DEP, Nordic Aqua Farms
Subject:	Glyphosate levels for marine life

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Dear Members of the Board of Environmental Protection,

I did give verbal testimony, and hope that it is accaptable to add this written note, as another concern has occurred to me.

Are there established limits for allowable glyphosate in effluent to Penobscott Bay? I am aware that Massachusetts has outlawed use of glyphosate due to infertility and cancer effects in mammals, but do not know effects on marine life. Glyphosate remains legal and broadly used in corn producing states.

The scale of the proposed Nordic Aquafarms Belfast plant will dictate use of glyphosate-raised grains, which are what is currently available in sufficient quantity in the US. Can Nordic Aquafarms filter out glyphosate from effluent? But then to where is the residue transported?

As I mentioned in verbal testimony, climate scientists lead us to expect accelerating frequency of extreme weather events. At some point the bay and river are likely to flow or storm over the tanks, and contents may enter the open water unfiltered.

A quick Google search turned up indication that phytoplankton will be affected.

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The last few days I have been at my yearly job of pruning the apple trees where Little River meets the bay. Each day we counted over 150 ducks, less than in other years, but still marking this place as perhaps especially valuable to them. The females' quacking was good constant company. In my uninformed intuition, their consistent presence here for so many years might mean more special ecology under the water, that I cannot see.

Please be diligent in your investigation of what might happen to this place.

-- Sincerely, Shana Hanson

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