
From: Hayes, Miriam (Nicole) <mnhayes@blm.gov>
Sent: Tuesday, March 12, 2019 2:51 PM
To: coastalplainAR; Sean Cottle
Subject: Fwd: [EXTERNAL] Arctic Refuge

Follow Up Flag: Follow up
Flag Status: Completed

Nicole Hayes

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From: **Julianne Warren** <coyotetrail.net@gmail.com>
Date: Tue, Mar 12, 2019 at 1:50 PM
Subject: [EXTERNAL] Arctic Refuge
To: <mnhayes@blm.gov>
Cc: Ryan Marsh <ryan@northern.org>

To BLM:

I am an Alaskan resident and voter.

First of all, the law for Refuge drilling was tucked into a bill. This was done by despite a democratic majority who adhere to its sacred and subsistence values for the US Public. First and foremost this land is for Gwich'in and Inupiaq Peoples who, already suffering apocalyptic conditions via colonization, require the health of this place to restore and sustain their traumatized bodies, cultures and spirits to health. Alongside those values, every single life and community of lives depends upon keeping oil in the ground to avoid further climate catastrophes. This is a fact.

I call on BLM to translate all DEIS documents into AK Native languages so that everyone most affected by what happens to the Refuge can participate. That is a democratic mandate.

I call on BLM to acknowledge their 19 undisclosed stateless of Scientific concern re: drilling in the Arctic Refuge. I join with many others calling for a US DOI Inspector General investigation to determine why the information was not made public nor included in the draft EIS.

1) Transmittal Memo—re: regulatory requirements

2) Noise—no research on consequences of aircraft, harvesters...grossly insufficient on seismic including to aboveground—esp. caribou—and underground e.g., nesting mammals incl. polar bears and river, wetland, and marine

life, esp. whales.

3) Public health—there is NO baseline health assessment of consequences of oil and gas. This is a particularly openly egregious lack re: human responsibility—I know that villages near currently existing oil and gas infrastructure are suffering cancer clusters and wildlife Peoples depend upon are also getting sick.

4) Subsistence Use no ethnographic and socio eco info available!

5) Birds—esp. phenology, esp. important given climate change shifts already undermining many populations stability also wherever migrants travel to and from

6) vegetation, soils, permafrost—Outdated information

7) air quality—gaps esp. re: longer term outlook

8) Zero info about visitor use—how can the multiple values of this place incl by visitors be respected if they are not even understood?

9) Caribou—Est. rates of survival and recruitment are imprecise. According to wildlife biologist Fran Mauer who has studied caribou for decades, the Porcupine herd highly likely requires the coastal plain for inter-annual climate resilience; infrastructure will spook cows w/calves away and the narrowness of the plain would mean bumping into the mts where predators await. The Gwich'in Nation, including in Canada have depended upon this herd for thousands of years and still do. This concern is an international one that has not been taken into proper account either.

10) Polar bears—still don't well understand the coastal plains importance to already declining polar bears, but have pretty good idea it is critical.

11) Other mammals—Know little about wolves and wolverines in relation to No Slope oil and gas infrastructure.

12) Fish—again re: effects of seismic and water use for drilling—grave lack of attention.

13) Cultural resources—what is the extent? Lay it all out.

14) Contaminants—USFWS does not even have sufficient FTEs w/ contaminants knowledge and skills to research

15) Oil spills—what would happen in this expensive to reach place when a spill would occur ?

16) Paleontological resource—No research on this has been conducted in the 1002 area

17) Coastal Resources—Out of date shoreline erosion changes esp. given climate change future are not/but would need to be known...evidence of subsistence points to need for special attention.

18) Snow/climate—Little known about lakes' watersheds and snowmelt recharge. Given plans to withdraw water, how could anyone prudentially (in terms of water needs for would-be drilling), not to mention morally even think of going forward with drilling?

19) Water and waterways—What of the consequences of chemical contamination, of unknown underground flows and mixtures that encompass the welfare of every living thing, including AK Native Peoples.

I call for an investigation into the existence of these wholes in the DEIS in the first place. And, I call for attending carefully to each and every one of them before any of the DEIS options can even be considered.

I will also add a call for more public hearings—in every single AK Native village dependent upon the coastal plain and in every AK city where many stakeholders live and in each state in the US given that this is Federal land.

Thank you,
Dr. Julianne Lutz Warren
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