

RE: EPA, Scientific Advisor Board,

Subject: Hydraulic Fracturing / Fresh Water Draft Report

Follow-up to the June 14, 2016 public hearing

The process of gas extraction contaminates fresh water as a tribal citizen of the little band of Ottawa Indians, with 26 years field experience and 6 years consulting in the oil and gas industry. It is my observation that science is way behind industry in understanding how the people are being impacted by the extraction process. To measure the impacts of extraction, science must examine the process from start to finish - including exploration, drilling, fracturing, waste disposal, production, transportation and delivery to consumers

We heard hours of testimony about case studies related to the S.A.B. final draft. Here is the one that needs to be highlighted: 5% of all well casings fail immediately and 50% fail within 15 years [2014 Duke University Study at Dimock, Pennsylvania; Parker-Weatherford, Texas and Pavilion, Wyoming] Such failures caused methane and /or to migrate out of the wellbore and through rock layers above the pay zone where the gas reached and contaminated groundwater. Science is just scratching the surface about what secrets lie deep within the oil and gas industry, the number of abandoned wells which exist throughout our country, and how the health of our communities is being impacted. Science will soon prove drilling sources and high volume hydraulic fracturing is the cause a wide spread contaminants into aquifer with migration gas.

As part of my testimony at the June 14 hearing I would like to submit Great Lakes-St. Lawrence River Basin Water Resource Compact. Public Law 110-342 which highlights the freshwater usage.

We request that there be a moratorium put in place to stop drilling on all Indian land in United States within the 1899 Charles Royce areas. Currently, many villages are being drilled without written consent of the Tribal Nation, tribes and bands. We further request that a copy of the S.A.B final report be sent to the Secretary of the Interior, Commission of Indian Affairs.

Sincerely

Robert L McCaslin