



Weather Modification Association

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Jonathan Jennings

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The Honorable Mike Beltz

Chairman
House Agriculture Committee
600 East Boulevard Avenue
Bismark, ND 58505
Subject: HB 1514

Dear Chairman Beltz,

I hope this letter finds you well. As the Meteorologist and Cloud Seeding Coordinator for the State of Utah and the President of the Weather Modification Association, I am reaching out to clarify an important topic of public concern: the distinction between cloud seeding and the idea often referred to as “chemtrails.”

First and foremost, I understand the curiosity and skepticism that sometimes surrounds atmospheric modification efforts, especially with the prevalence of misinformation. Cloud seeding, however, is a scientifically established, transparent, and rigorously monitored process aimed at enhancing natural precipitation to benefit water resources. This is especially critical in regions like ours, where drought and water scarcity present ongoing challenges.

Key Differences Between Cloud Seeding and "Chemtrails":

1. Cloud Seeding:

- Uses small amounts of safe, widely studied materials, such as silver iodide or salt, to encourage cloud condensation and ice crystal formation.
- Is conducted under strict regulatory oversight, including permits issued by state agencies.
- Is focused on increasing precipitation for reservoirs, agriculture, and ecological benefit.

2. “Chemtrails”:

- Refers to a conspiracy theory alleging that airplanes deliberately release harmful chemicals into the atmosphere.
- Lacks scientific evidence or credible documentation.
- It is often confused with normal contrails, which are water vapor trails produced by aircraft engines under specific atmospheric conditions.



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I would be happy to provide detailed information about our cloud seeding operations, including studies demonstrating their safety and effectiveness. Additionally, I am open to arranging a briefing so you and your constituents can better understand the science behind this valuable water resource management tool.

It is my hope that with accurate information, you change the language to exclude cloud seeding efforts for the purpose of precipitation enhancement from your bill. Your voice as a leader can help address concerns, promote understanding, and reinforce confidence in the responsible practices we employ.

Thank you for considering this matter. I would be glad to discuss further or answer any questions you may have. Please feel free to contact me at your earliest convenience.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Jennings', is written over a light blue circular stamp.

Jonathan A. Jennings

Meteorologist and Cloud Seeding Coordinator
Utah Division of Water Resources

President
Weather Modification Association