

MEMORANDUM

From: Gray Delany

To: Calley Means

Date: July 14, 2025

Subject: Adding Weather Modification/Geoengineering to list of official MAHA Priorities

BACKGROUND: Cloud Seeding, Weather Modification, Solar Radiation Modification (SRM), Stratospheric Aerosol Injection (SAI), and all forms of Geoengineering should be acknowledged by the MAHA commission as a MAHA priority. Kennedy has previously [stated](#) that, "HHS will do its part" to end geoengineering and weather modification.



Cloud Seeding/Weather Modification

The issue has received increased attention worldwide as geoengineering activities following Administrator Zeldin's announcement of new online resources to bring total transparency on the topics of contrails and geoengineering. Additionally, increased frequency of "100-year storms" and similar severe and highly suspicious weather events have been occurring and have increased awareness of the issue to the public, some of which have been acknowledged to have been caused by geoengineering activities, such as the flooding in Dubai in 2024.

Increased attention has occurred in the wake of the devastating Texas floods of July 4, 2025. The CEO of Rainmaker [admitted](#) to cloud seeding prior to the floods but claimed it had nothing to do with the historic floods even though they only suspended their operations a day before the flash flood warnings. Farmer Steve Jarvis' [video](#) questioning the role of weather modification in the Texas floods has garnered over 4 million views on X and over 20 million cumulatively on all platforms.

NOAA's website lists nine methods that are used to alter the weather including, "seeding or dispersing of any substance into clouds or fog, to alter drop size distribution, produce ice crystals or coagulation of droplets, alter the development of hail or lightning, or influence in any way the natural development cycle of clouds or their environment."¹

¹ [Weather Modification Project Reports - Weather and Climate Collections - NOAA Library at National Oceanic and Atmospheric Administration](#)

Stratospheric Aerosol Injection (SAI)

Aerosolized heavy metals such as Aluminum, Barium, and Strontium, as well as other materials such as sulfuric acid precursors, are sprayed into the atmosphere under the auspices of combatting global warming. The technical term for this practice is Solar Radiation Modification. Aluminum oxide is one of the aerosols used because of its effectiveness in scattering sunlight and absorbing less infrared radiation than sulfates. A 2024 grant acknowledged the use of SAls saying the purpose is “to increase the reflection of incoming sunlight back to space, thereby cooling the Earth’s climate and mitigating some of the impacts of global warming.”

The primary culprit is likely the sulfur dioxide emitted by commercial airplanes. The sulfur content of jet fuel is 400-800 ppm where ultra-low sulfur diesel (ULSD), standard in the U.S., contains ≤ 15 ppm sulfur. Sulfur dioxide is known to produce acid rain. Acid rain affects soil pH level and has determinantal effects. The EPA could easily, by regulation, address the sulfur content in jet fuel. This would have no detrimental effect on jet engine performance.

Aluminum serves as an excellent example of the toxic nature of the products used in SAls. Aluminum is strictly toxic to humans and countless other animal and plant species. Unlike other metals such as Iron or Zinc, Aluminum serves no physiologic purpose. It is purely toxic. In humans, it is a known neurotoxin and has been established as the sole cause of a specific dementing illness. It is associated with Alzheimer’s Disease, ADHD, and other neuropsychiatric disorders. Inhaled Aluminum is toxic to the lungs, again with an established causal link to a specific asthma-like illness. (A more detailed discussion of the toxic effects of aluminum and other metals and chemicals used in SAI are laid out in an affidavit written by Dr. Clayton Baker and presented as evidence in the legislative efforts against geoengineering in Florida and Louisiana.)

There are serious concerns SAI spraying is leading to increased heavy metal content in the atmosphere, causing elevated levels in our soil and in our waterways. Rainwater and soil testing has shown elevated levels of heavy metals that require further study to their origin. ² It is unconscionable that anyone should be allowed to spray known neurotoxins and environmental toxins over our nation’s citizens, their land, food and water supplies.

A March 27, 2023 academic paper titled, “[Injection strategy - a driver of atmospheric circulation and ozone response to stratospheric aerosol geoengineering](#),” cited NOAA and other agencies in the [acknowledgements](#) for supporting grants. Among them: National Center for Atmospheric Research ([NCAR](#)), the National Science Foundation ([NSF](#)), Cornell University and Indiana University.

American universities are deeply and broadly involved in geoengineering. Harvard has its own [geoengineering research program](#). Its prior head and Bill Gates-funded worldwide proponent of geoengineering, [David Keith](#), is now at the University of Chicago.

² [Oregon Rain Analysis Aluminum, Barium, Strontium, Sulfur, LITHIUM – Zero Geoengineering](#)

Other Forms of Geoengineering

As Secretary Kennedy has intimated, DARPA (and the Department of Defense broadly speaking) have been actively pursuing weather modification and indeed weather weaponization for decades. From Operation Popeye during the Vietnam War, where the United States military dramatically altered weather over the Ho Chi Minh trail, to the flawed ENMOD treaty that emerged largely from international objection to that operation, it is an open secret that governments and militaries worldwide – with the US Government at the forefront – have extensive, ongoing experimentation and implementation of weather and climate modification and weaponization extending far beyond cloud seeding and SAI alone.

The role of NEXRAD, HAARP, and other advanced technologies in Geoengineering are beyond the scope of this memo but must be addressed comprehensively as well.

What has Secretary Kennedy said about this issue?

Secretary Kennedy was asked in an April 28, 2025 appearance on Dr. Phil about Stratospheric Aerosol Injections. Kennedy [responded](#), “We think it is done by DARPA and it is coming out of the jet fuel. I am going to do everything in my power to stop it. *We are bringing on somebody who is only going to think about this. We are going to find out who is doing it and will hold them accountable.*”

On a March, 2023, Kennedy [hosted chemtrail activist Dane Wigington](#) on his podcast. Kennedy said he began to consider the issue of chemtrails when he and actor Woody Harrelson saw contrails from a plane transform into clouds and is concerned that somebody may be putting “large amounts of bioavailable aluminum into the environment, spraying it in microscopic particulates from airplanes.”

State Bans of Weather Modification/Geoengineering

Passed

Tennessee SB 2691/HB 2063: The legislation prohibits the "intentional injection, release, or dispersion, by any means, of chemicals, chemical compounds, substances, or apparatus within the borders of this state into the atmosphere with the express purpose of affecting temperature, weather, or the intensity of the sunlight."

Florida: SB 56/HB 477: Bans "the injection, release, or dispersion, by any means, of a chemical, a chemical compound, a substance, or an apparatus into the atmosphere within the borders of this state for the express purpose of affecting the temperature, weather, climate, or intensity of sunlight." Violations are a third-degree felony, with penalties up to 5 years in prison and \$100,000 fines (\$5,000 for aircraft operators). Public airports must report aircraft with potential geoengineering equipment starting October 1, 2025.

Louisiana HB 197/SB 112: Bans atmospheric chemical releases for weather or climate modification, with felony charges and fines (specific penalties not detailed). Includes public reporting mechanisms.

Montana: SB 473: Passed the Senate only. Bans all forms of geoengineering.

Introduced

Vermont, H0217, the “Clean Air Preservation Act”. Considered the gold standard legislation according to MAHA activists. It establishes strict regulations that prohibit any entity—including individuals, corporations, government agencies, and artificial intelligence—from conducting such atmospheric experiments or interventions within the state. Law enforcement is empowered to issue immediate cease-and-desist orders

for suspected violations and can deputize citizens to help enforce these provisions. Penalties for non-compliance are severe, including potential fines up to \$50,000 per day and imprisonment for up to two years, with violations considered felonies.

Complete List of Clear the Skies Legislation

STATES LOOK TO CLEAR THE SKIES

- **Alabama:** <https://alison.legislature.state.al.us/files/pdf/SearchableInstruments/2025RS/HB248-int.pdf>
- **Arizona:** <https://www.azleg.gov/legtext/57leg/1R/bills/HB2056P.pdf>
- **Florida:** <https://www.flsenate.gov/Session/Bill/2025/56>
- **Idaho:** <https://legislature.idaho.gov/sessioninfo/2025/legislation/S1167/>
- **Iowa:** <https://www.legis.iowa.gov/docs/publications/LGI/91/HF191.pdf>
- **Kentucky:** https://apps.legislature.ky.gov/recorddocuments/bill/25RS/sb62/orig_bill.pdf
- **Maine:** <https://legislature.maine.gov/legis/bills/getPDF.asp?paper=SP0345&item=1&snum=132>
- **Minnesota:** https://www.revisor.mn.gov/bills/text.php?number=HF2310&version=0&session_year=2025&session_number=0
- **Missouri:** <https://documents.house.mo.gov/billtracking/bills251/hrbillspdf/0562H.011.pdf>
- **Montana:** <https://bills.legmt.gov/#/laws/bill/2/LC1601>
- **New Hampshire:** gc.nh.gov/bill_status/legacy/bs2016/billText.aspx?id=1641&txtFormat=html&sy=2024
- **New Jersey:** https://pub.njleg.state.nj.us/Bills/2024/S4500/4161_11.HTM
- **New York:** <https://www.nysenate.gov/legislation/bills/2025/A5476>
- **North Carolina:** <https://house.ncleg.gov/BillLookUp/2025/H362>
- **North Dakota:** <https://ndlegis.gov/assembly/69-2025/regular/bill-overview/bo2106.html>
- **Oklahoma:** <http://www.oklegislature.gov/BillInfo.aspx?Bill=SB1021>
- **Pennsylvania:** <https://www.palegis.us/legislation/bills/text/PDF/2023/0/SB1264/PN1740>
- **Rhode Island:** <https://webserver.rilegislature.gov/BillText24/HouseText24/H7295.pdf>
- **South Carolina:** https://www.scstatehouse.gov/sess126_2025-2026/prever/3915_20250206.htm
- **Tennessee:** <https://wapp.capitol.tn.gov/apps/BillInfo/default.aspx?BillNumber=HB2063&CA=113>
- **Texas:** <https://legislature.texas.gov/legislation/2025/HB0208>
- **Vermont:** <https://legislature.vermont.gov/Documents/2026/Docs/BILLS/H-0217/H-0217%20As%20Introduced.pdf>
- **West Virginia:** https://www.wvlegislature.gov/bill_status/bills_text.cfm?billdoc=sb699%20intr.htm&yr=2025&sesstype=RS&i=699
- **Wyoming:** <https://wyoleg.gov/Legislation/2025/HB0208>

RECOMMENDATIONS

1. Form commission or working group or form joint task force with EPA and other involved Federal agencies to investigate geoengineering and make recommendations for what can be done to address geoengineering at the Federal Level.
2. Hold joint roundtable with subject matter experts, farmers and other stakeholders affected by geoengineering.
3. Include geoengineering/weather modification in upcoming MAHA commission report. Given that this is one of MAHA's top concerns, it should be included in the upcoming report.
4. Directly and publicly address the health and environmental harms of geoengineering, as well as the ethical and legal issues, including indeed the Constitutionality of geoengineering activities.