

From: ECCC Info (ECCC) <ECCCInfo@ec.gc.ca>
Sent: Tuesday, August 8, 2023 3:33:25 PM
To: 'tkyle@hotmail.com' <tkyle@hotmail.com>
Subject: PIC-20230629-093554 - Weather Modification Act

Good Tuesday afternoon Troy Kyle,

Thank you for contacting Environment and Climate Change Canada (ECCC).

On behalf of our program staff, please see below the response to your question.

Dear Troy Kyle,

We are responding to your three inquiries sent to various ECCC channels (Public Inquiries Centre/Enviro Info, National Inquiry Response Team, and to our internal inbox, MSC Ministerial Services).

Under the *Weather Modification Information Act* (<https://laws-lois.justice.gc.ca/eng/acts/w-5/page-1.html>), any weather modification activity undertaken in Canada must be officially reported to Environment and Climate Change Canada. The Assistant Deputy Minister of the Meteorological Service of Canada, currently Diane Campbell, is the Administrator of this Act. Note that the Act was last updated on April 1, 2005, not on June 23, 2023, as indicated in your correspondence. There have been no amendments to the Act since April 1, 2005 or to the *Weather Modification Information Regulations* (https://laws.justice.gc.ca/eng/regulations/C.R.C.,_c._1604/index.html) since June 1, 2009.

Weather modification activities in Canada must follow the guidelines set out in the Act and its Regulations. The Act requires that any person (or organization) wishing to engage in weather modification activities in Canada notify the Administrator, in writing, of their intention. The person (or organization) must provide their name, address, and information on the purpose and method of the activity, such as dates, times, equipment, materials and geographic area.

Under the Act, any person (or organization) who conducts a weather modification activity must maintain a daily record of that activity. This includes details of the location and operation of any equipment used, meteorological observations made and the chemical nature, physical properties and quantities of any substance released into the atmosphere for weather modification purposes. Any person (or organization) conducting weather modification activities must also submit a report to the Administrator detailing the nature and scope of their activities, including dates and meteorological observations made.

Notices of Intent and Reports, as set out under Schedules I and III of the Weather Modification Information Regulations, may be sent to the Administrator of the Act at the following email address: AdminLRMMT-WMIAAdmin@ec.gc.ca.

Since 1996, only one company has reported undertaking weather modification activities in Canada, Weather Modification Inc., which operates a hail suppression program in Alberta. In an effort to reduce hail damage, the company introduces a seeding agent into some of the thunderstorms that develop in the Calgary-Red Deer area between May and September of each year. They use silver iodide as the seeding agent. The emissions produced by silver iodide are considered to have negligible environmental or human health impacts. Weather Modification Inc. provides the necessary reports to the Department on an annual basis.

Weather Modification Inc. provides the necessary reports to the Department on a yearly basis. A Notice of Intent is issued before the activity takes place followed by the official report issued once the activity is completed. Please see attached the reports received for the last three years by Weather Modification Inc. The report for their activities in June 2023 will be submitted later this year as part of their annual report detailing their weather modification activities for June to September 2023.

Thank you for your inquiry.

Thank you and have an excellent day!

Julie

Julie Bertrand

Centre de renseignements à la population, Direction générale des affaires publiques et des communications

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