

§ 908.2

(e) *Persons whose activities relate to weather modification.* Persons engaged in weather modification activities or engaged in the distribution or sale of weather modification apparatus or materials known by them to be destined for use in weather modification activities.

(f) *Project.* A related series of weather modification activities having a common objective.

(g) *Target area.* The ground area within which the effects of the weather modification activity are expected to be found.

(h) *Control area.* A preselected, untreated ground area used for comparison with a target area.

(i) *Weather modification apparatus.* Any apparatus used with the intention of producing artificial changes in the composition, behavior, or dynamics of the atmosphere. For example: Seeding generators, propane devices, flares, rockets, artillery projectiles, jet engines, etc.

(j) *Sponsor.* The primary person for whom the weather modification activity is performed.

(k) *Operator.* The person who is primarily responsible for carrying out the weather modification activity.

[41 FR 23394, June 10, 1976, as amended at 46 FR 32233, June 22, 1981]

§ 908.2 Persons subject to reporting.

Any person engaged or intending to engage in any weather modification activity in the United States shall be subject to the reporting provisions of this part.

§ 908.3 Activities subject to reporting.

(a) The following, when conducted as weather modification activities, shall be subject to reporting:

(1) 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;

(2) Using fires or heat sources to influence convective circulation or to evaporate fog;

(3) Modifying the solar radiation exchange of the earth or clouds, through

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the release of gases, dusts, liquids, or aerosols into the atmosphere;

(4) Modifying the characteristics of land or water surfaces by dusting or treating with powders, liquid sprays, dyes, or other materials;

(5) Releasing electrically charged or radioactive particles, or ions, into the atmosphere;

(6) Applying shock waves, sonic energy sources, or other explosive or acoustic sources to the atmosphere;

(7) Using aircraft propeller downwash, jet wash, or other sources of artificial wind generation; or

(8) Using lasers or other sources of electromagnetic radiation.

(b) In addition to the activities listed above, other similar activities falling within the definition of weather modification as set forth in § 908.1 are also subject to reporting.

(c) The requirement for reporting shall not apply to activities of a purely local nature that can reasonably be expected not to modify the weather outside of the area of operation. This exception is presently restricted to the use of lightning deflection or static discharge devices in aircraft, boats, or buildings, and to the use of small heat sources, fans, fogging devices, aircraft downwash, or sprays to prevent the occurrence of frost in tracts or fields planted with crops susceptible to frost or freeze damage. Also expected from the requirement for reporting are religious activities or other ceremonies, rites and rituals intended to modify the weather.

(d) All activities noted in paragraphs (a) and (b) of this section are subject to initial reporting. However, after the Administrator has received initial notification of a planned activity, he may waive some of the subsequent reporting requirements. This decision to waive certain reporting requirements will be based on the general acceptability, from a technical or scientific viewpoint, of the apparatus and techniques to be used.

(e) Other reporting exceptions may be made in the future by rule of the Administrator.

§ 908.4 Initial report.

(a) Any person intending to engage in any weather modification project or

activity in the United States shall provide a report of his intention, to be received by the Administrator at least 10 days before the commencement of such project or activity. This report shall contain at least the following:

- (1) The designation, if any, used by the operator for the project or activity;
- (2) The following dates for weather modification activities:
 - (i) The date the first actual weather modification activity is to be undertaken;
 - (ii) The date on which the final modification activity is expected to occur;
- (3) The following information on persons involved with the project or activity:
 - (i) The name, affiliation, and address of the sponsor;
 - (ii) The name, affiliation, and address of the operator;
- (4) The purpose of the project or activity;
- (5) A map showing the approximate size and location of the target and control areas, and the location of each item of ground-based weather modification apparatus, precipitation measuring device, and, for airborne operations, the airport;
- (6) A description of the weather modification apparatus, modification agents, and the techniques to be employed;
- (7) The name and address of the responsible individual from whom log books or other records of the project or activity may be obtained;
- (8) Answers to the following questions on project safeguards:
 - (i) Has an Environmental Impact Statement, Federal or State, been filed: Yes ___ No ___. If Yes, please furnish a copy as applicable.
 - (ii) Have provisions been made to acquire the latest forecasts, advisories, warnings, etc. of the National Weather Service, Forest Service, or others when issued prior to and during operations? Yes ___ No ___. If Yes, please specify on a separate sheet.
 - (iii) Have any safety procedures (operational constraints, provisions for suspension of operations, monitoring methods, etc.) and any environmental guidelines (related to the possible effects of the operations) been included in the operational plans? Yes ___ No

___. If Yes, please furnish copies or a description of the specific procedures and guidelines; and

(9) Optional remarks, to include any additional items which the person deems significant or of interest and such other information as the Administrator may request the person to submit.

(b) If circumstances prevent the signing of a contract or agreement to perform, or receipt of an authorization to proceed with, a weather modification activity at a date early enough to comply with paragraph (a) of this section, the initial report shall be provided so as to be received by the Administrator within 10 days of the date of signing of the contract or agreement, or receipt of authorization to proceed. In such cases, the report shall be accompanied by an explanation as to why it was not submitted at least 10 days prior to the commencement of the activity.

(c) In the event that circumstances beyond the control of the person liable to report under these regulations prevent the submission of the initial report in a timely manner as described above, the report shall be forwarded as early as possible, accompanied by an explanation as to why a timely report has not been provided. If such explanation is deemed adequate, the Administrator will consider the report as timely filed.

§ 908.5 Interim reports.

(a) Any person engaged in a weather modification project or activity in the United States on January 1 in any year shall submit to the Administrator, not later than 45 days thereafter, an interim report setting forth as of such date the information required below with respect to any such continuing project or activity not previously furnished to the Administrator in a prior interim report; provided that the January 1 date shall not apply if other arrangements have previously been made with the written approval of the Administrator.

(b) The interim report shall include the file number assigned by the Administrator and shall provide a summary of the project or activity containing at least the following information for each month: