NOAA FORM 17-4 (4-81) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Form Approved OMB Control No. 0648-0025
Expires 05/31/2021

INITIAL REPORT ON WEATHER MODIFICATION ACTIVITIES

This report is required by Public Law 92-205; 85 Stat. 735; 145 U.S.C. 330b. Knowing and willful violation of any rule adopted under the authority of Section 2 of Public Law 92-205 shall subject the person violating such rule to a fine of not more than $10,000, upon conviction thereof.

Complete in accordance with instructions on reverse and forward one copy to:
National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
1315 East-West Highway, WWMC-3, Rm 11216
Silver Spring, MD 20910

1. PROJECT OR ACTIVITY DESIGNATION, IF ANY
Upper Tuolumne River Weather Modification Project

2. DATES OF PROJECT
a. DATE FIRST ACTUAL WEATHER MODIFICATION ACTIVITY IS TO BE UNDERTAKEN: 11/15/2024
b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES: 4/30/2025

3. PURPOSE OF PROJECT OR ACTIVITY
Increase precipitation in select mountainous regions of central CA.

4. (a) SPONSOR

NAME	AFFILIATION	PHONE NUMBER	STREET ADDRESS	CITY	STATE	ZIP CODE
Jason Carkeet	Turlock & Modesto Irrigation District	209-833-8325	901 N Broadway, P.O. Box 949	Turlock	CA	95831

4. (b) OPERATOR

NAME	AFFILIATION	PHONE NUMBER	STREET ADDRESS	CITY	STATE	ZIP CODE
Jody Fischer	Weather Modification LLC	7012355500	3802 20th Street North	Fargo	ND	58102

5. TARGET AND CONTROL AREAS (See Instructions)

TARGET AREA LOCATION	TARGET AREA SIZE OF AREA	CONTROL AREA LOCATION	CONTROL AREA SIZE OF AREA
East-Central California, USA	1615 SQ. MI	NA	SQ. MI

6. DESCRIPTION OF WEATHER MODIFICATION APPARATUS, MODIFICATION AGENTS AND THEIR DISPERSAL RATES, THE TECHNIQUES EMPLOYED, ETC. (See Instructions)

Airborne glaciogenic seeding techniques will be used to treat the specified target areas in the Upper Tuolumne River Watershed. Seeding will be accomplished by the use of pyrotechnic flares. The aircraft will dispense silver iodide seeding agent at the rate of 16 (sixteen) grams of silver iodide over a period of about 4 (four) minutes or at the rate of 2 (two) grams of silver iodide over a period of about 1 (one) every minute when storm conditions are favorable. Seeding will be guided by the project meteorologist, furnished by Weather Modification LLC dba Weather Modification International (WMI).

7. LOG BOOKS *Enter name, affiliation, address, and telephone number of responsible individual from whom log books or other records may be obtained.*

NAME	AFFILIATION	PHONE NUMBER	STREET ADDRESS	CITY	STATE	ZIP CODE
Mr. Jake Van Ornum	Weather Modification LLC	(701) 235-5500	3802 20th Street North	Fargo	ND	58102

8. SAFETY AND ENVIRONMENT

☐ YES ☑ NO	Has an Environmental Impact Statement, Federal or State, been filed? If yes, please furnish a copy as applicable.
☑ YES ☐ NO	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? If yes, please specify on a separate sheet.
☑ YES ☐ NO	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? If yes, please furnish copies or a description of the specific procedures and guidelines.

9. OPTIONAL REMARKS (See instructions. Use Separate Sheet).

CERTIFICATION: I certify that all statements in this report on this weather modification project are complete and correct to the best of my knowledge and are made in good faith.

NAME OF REPORTING PERSON	AFFILIATION	SIGNATURE	STREET ADDRESS	OFFICIAL TITLE	CITY	STATE	ZIP CODE	DATE	PHONE NUMBER
Jake Van Ornum	Weather Modification LLC		3802 20th Street North	Documentation Specialist	Fargo	ND	58102	11/1/2024	(701) 235-5500

TID TARGET AREA

