00 - 1047

Complete in accordance with instructions on reverse and forward copy:
TO: National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
1315 East-West Highway SSMC3 Room 11554
Silver Spring, MD 20910

Form Approved: OMB No. 0648-0025 Expires: 09/30/98

NOAA FORM 17-4 (4-81) — U.S. DEPARTMENT OF COMMERCE — NAT'L OCEANIC AND ATMOSPHERIC ADM

INITIAL REPORT ON WEATHER MODIFICATION ACTIVITIES *(P.L. 205, 92ND. CONGRESS)*

1. PROJECT OR ACTIVITY DESIGNATION, IF ANY
Oklahoma Weather Modification Program

2. DATES OF PROJECT
a. DATE FIRST ACTUAL WEATHER MODIFICATION ACTIVITY IS TO BE UNDERTAKEN: March 1, 2000
b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES: September 30, 2000

3. PURPOSE OF PROJECT OR ACTIVITY
Rain Enhancement and Hail Suppression

4.(a) SPONSOR

NAME	AFFILIATION	PHONE NUMBER
Mike Mathis	Oklahoma Weather Modification Advisory Board	(405) 530-8800

STREET ADDRESS	CITY	STATE	ZIP CODE
3800 N. Classen Blvd.	Oklahoma City	OK	73118

4.(b) OPERATOR

NAME	AFFILIATION	PHONE NUMBER
Patrick Sweeney	Weather Modification, Incorporated	(701) 235-5500

STREET ADDRESS	CITY	STATE	ZIP CODE
3802 20th St. N	Fargo	ND	58102

5. TARGET AND CONTROL AREAS *(See Instruction)*

TARGET AREA — LOCATION	SIZE OF AREA	CONTROL AREA	SIZE OF AREA
Adair, Alfalfa, Atoka, Beaver, Beckham, Blaine, Bryan, Caddo, Canadian, Carter, Cherokee, Choctaw, Cimarron, Cleveland, Coal, Comanche, Cotton, Craig, Creek, Custer, Delaware, Dewey, Ellis, Garfield, Garvin, Grady, Grant, Greer, Harmon, Harper, Haskell, Hughes, Jackson, Jefferson, Johnston, Kay, Kingfisher, Kiowa, Latimer, Le Flore, Lincoln, Logan, Love, Major, Marshall, Mayes, McClain, McCurtain, McIntosh, Murray, Muskogee, Noble, Nowata, Okfuskee, Oklahoma, Okmulgee, Osage, Ottawa, Pawnee, Payne, Pittsburg, Pontotoc, Pottawatomie, Pushmataha, Roger Mills, Rogers, Seminole, Stephens, Texas, Tillman, Tulsa, Wagoner, Washington, Washita, Woods, and Woodward Counties	89,603 sq. miles	None	SQ. MI

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

Three Cessna 340 aircraft will be fit 2 wingtip burners, which burn a liquid acetone mixture at a rate of 2.5 gallons per hour. Each plane will have 2 ejectable racks fitted on the belly of the aircraft with each rack capable of carrying 102 20-gram ejectable flares. Each plane will have 2 burn-in-place flare racks mounted on the wings with each rack capable of carrying 12 70 to 150 gram end burning flares. Two radars will be set up by Weather Modification, Inc. in Oklahoma City, OK and Woodward, OK to help track and direct aircraft toward the precipitation areas. Seeding will take place along cloud base and at cloud top between 3 and 23 thousand feet.

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
HANS AHLNESS	Weather Modification, Incorporated	(701) 235-5500

STREET ADDRESS	CITY	STATE	ZIP CODE
3802 20th St. N	Fargo	ND	58102

THIS REPORT IS REQUIRED BY PUBLIC LAW 92-205; 85 STAT 735; 15 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

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 operation? 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.)*

NAME	CERTIFICATION:	
Rebecca Resler	I certify that the above statements are true, complete and correct to the best of my knowledge and belief	

AFFILIATION	SIGNATURE	
Weather Modification, Inc.	Rebecca Resler	

STREET ADDRESS	OFFICIAL TITLE	
3802 20th St. N	Meteorologist	

CITY	STATE	ZIP CODE	DATE	PHONE NUMBER
Fargo	ND	58102	February 21, 2000	(701) 235-5500

NOAA FORM 17-4

NOAA FORM 17-43 (4-81) — U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — Form approved OMB No. 0648-0025, Expires 10/31/2001

INTERIM ACTIVITY REPORTS AND FINAL REPORT

This report is required by Public Law 92-205; 85 Stat. 735; 15 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 violationg such rule to a fine of not more than $10,000, upon conviction thereof.

NOAA FILE NUMBER: 00-1047

☐ INTERIM REPORT ☒ FINAL REPORT

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 SSMC-3 Room 11554
Silver Springs, MD 20910

REPORTING PERIOD: FROM March 1, 2000 TO October 31, 2000

MONTH	NUMBER OF MODIFICATION DAYS	NUMBER OF MODIFICATION DAYS PER MAJOR PURPOSE				HOURS OF APPARATUS OPERATION BY TYPE		TYPE AND AMOUNT OF AGENT USED				
		INCREASE PRECIPITATION	ALLEVIATE		OTHER	AIRBORNE	GROUND	SILVER IODIDE (grams)	CARBON DIOXIDE	UREA	SODIUM CHLORIDE	OTHER
			HAIL	FOG								
JANUARY												
FEBRUARY												
MARCH	14	7	7			13:15		71894.71				
APRIL	12	3	10			22:03		82049.65				
MAY	14	7	10			30:57		69809.20				
JUNE	13	7	10			9:25		28234.89				
JULY	8	8	1			5:07		15147.12				
AUGUST	4	4	1			4:44		3341.14				
SEPTEMBER	7	7	1			5:22		12383.62				
OCTOBER	12	9	6			14:16		36893.16				
NOVEMBER												
DECEMBER												
TOTAL	84	52	46			105:09		319753.49				
TOTALS FOR FINAL REPORT	84	52	46			105:09		319753.49				

DATE ON WHICH FINAL WEATHER MODIFICATION ACTIVITY OCCURRED *(For Final Report only)*: October 31, 2000

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: Rebecca Resler

AFFILIATION: Weather Modification, Incorporated

SIGNATURE: Rebecca Resler

STREET ADDRESS: 3802 20th St. N

OFFICIAL TITLE: Meteorologist

CITY: Fargo | STATE: ND | ZIP CODE: 58102

DATE: November 9, 2000

701 235 9717

WEATHER MODIFICATION INC

3802 20TH ST. N.
FARGO, ND 58102
USA

PHONE
(701) 235-5500

FAX
(701) 235-9717

FAX TRANSMITTAL COVER SHEET

DATE 11/09/00 NUMBER OF PAGES (W/COVER) 3

TO: NAME Karen King
COMPANY USDOC - 1044
PHONE 301-713-0460 ext. 202
FAX 301-713-3515

FROM: Rebecca Resler

PHONE: 701-235-5500 FAX: 701-235-9717

Karen-

Here is the final 1044 report for our Oklahoma project (file # 00-1047) as well as the initial 1044 form for our Santa Barbara project. If you have any questions, please feel free to contact me.

Rebecca Resler

WMODCOSTFAXCOVER

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Silver Spring, MD 20910
OFFICE OF OCEANIC AND ATMOSPHERIC RESEARCH

February 25, 2000

Ms. Rebecca Resler
Weather Modification, Inc.
3802 20th Street, N
Fargo, ND 58102

Dear Ms. Resler:

Thank you for your Initial Reports of weather modification activities for the Edwards Aquifer Precipitation Enhancement Program and the Oklahoma Weather Modification Program.

The Projects were assigned the following NOAA File Numbers.

Edwards Acquifer Precipitation Enhancement Program - NOAA File Number 00-1046

Oklahoma Weather Modification Program - NOAA File Number 00-1047

As a reminder, please submit a Final Report within 45 days after the project has terminated. This is mandated under Public Law 92-205.

Enclosed are updated weather modification reporting forms. Please use these forms until further notice. Also, please send all future correspondence to:

Ms. Karen King
NOAA/Office of Oceanic and Atmospheric Research
1315 East-West Highway
SSMC3 R/WA, Room 11216
Silver Spring, MD 20910
Phone: (301) 713-0460, ext. 202

Sincerely,

Karen King

Ms. Karen King, Manager
Weather Modification Activities
Reporting Program

Enclosures

Printed on Recycled Paper