

Complete in accordance with instructions on reverse and forward copy:

Form Approved: OMB No. 0648-0025 Expires 12/31/2007

TO: National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
1315 East-West Highway SSMC-3 Room 11216
Silver Spring, MD 20910

NOAA FORM 17-4 U.S. DEPARTMENT OF COMMERCE
(4-81) NAT'L OCEANIC AND ATMOSPHERIC ADM.
**INITIAL REPORT ON WEATHER MODIFICATION
ACTIVITIES** (P.L. 205, 92ND. CONGRESS)

1. PROJECT OR ACTIVITY DESIGNATION, IF ANY
South TX weather modification Assn.

2. DATES OF PROJECT

3. PURPOSE OF PROJECT OR ACTIVITY
Rain Enhancement

a. DATE FIRST ACTUAL WEATHER MODIFICATION
ACTIVITY IS TO BE UNDERTAKEN 04/01/2024
b. EXPECTED TERMINATION DATE OF WEATHER
MODIFICATION ACTIVITIES 10/31/2024

4. (a) SPONSOR

4. (b) OPERATOR

NAME Craig Funke

NAME Bria DeCarlo

AFFILIATION Manager, STWMA

AFFILIATION Project Meteorologist

STREET ADDRESS 110 Wyoming Blvd

STREET ADDRESS 110 Wyoming Blvd.

CITY Pleasanton STATE TX ZIP CODE 78064

CITY Pleasanton, TX STATE TX ZIP CODE 78064

5. TARGET AND CONTROL AREAS (See Instructions)

TARGET AREA LOCATION South Texas SIZE OF AREA 10830 sq. mi

CONTROL AREA LOCATION South Texas SIZE OF AREA 10830 sq. mi.

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

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

NAME Bria DeCarlo
AFFILIATION Project Meteorologist, STWMA
STREET ADDRESS 110 Wyoming Blvd
CITY Pleasanton STATE TX ZIP CODE 78064

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 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.)

NAME Bria DeCarlo

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

AFFILIATION Project Meteorologist, STWMA

SIGNATURE B. DeCarlo

STREET ADDRESS 110 Wyoming Blvd

OFFICIAL TITLE Project Meteorologist

CITY Pleasanton STATE TX ZIP CODE 78064

DATE 2-15-2024 PHONE NUMBER 214-893-2723

8. The South Texas Weather Modification Association continues to strengthen its relationship with the National Weather Service. The project meteorologist will monitor weather watches issued by the Storm Prediction Center and all warning, advisories and short-term forecasts issued by the National Weather Service via weather radio, television, and internet websites. The meteorologist is also, at times, in contact with the NWS via NWS Chat, telephone, social media or text message.

The STWMA has also been using radar software called GR2Analyst and Radarscope. This product provides live radar, watches, warnings, and real time weather reports on the radar screen. GR2Analyst has also been used for aircraft safety especially with the viewing of vertical updrafts which can at times skew ahead or behind a storm. This has been utilized as a tool during seeding operations.

Furthermore, all aircraft are equipped with a 406 Mhz emergency beacon. This will alert a Rescue Coordination Center in the event of a distress message being sent out from our aircraft. It will allow Search and Rescue (SAR) forces to locate the aircraft in a timely manner.



- 1 Delta
- 2 Franklin
- 3 Morris
- 4 Camp
- 5 Rains
- 6 Rockwall
- 7 Somervell
- 8 San Augustine
- 9 Aransas

