NOAA FORM 17-4A
(4-81)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Form Approved OMB Control No. 0648-0025
Expires 05/31/2024

INTERIM ACTIVITY REPORTS AND FINAL REPORT

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.

NOAA FILE NUMBER: 2022CAMOKE

☑ 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, Rm. 11216
Silver Spring, MD 20910

REPORTING PERIOD
FROM 11/01/2022 TO 12/31/2022

MONTH	(a) NUMBER OF MODIFICATION DAYS	(b) NUMBER OF MODIFICATION DAYS PER MAJOR PURPOSE				(c) HOURS OF APPARATUS OPERATION BY TYPE		(d) TYPE AND AMOUNT OF AGENT USED				
		INCREASE PRECIPITATION	ALLEVIATE		OTHER	AIRBORNE	GROUND	SILVER IODIDE	CARBON DIOXIDE	UREA	SODIUM CHLORIDE	OTHER
			HAIL	FOG								
JANUARY												
FEBRUARY												
MARCH												
APRIL												
MAY												
JUNE												
JULY												
AUGUST												
SEPTEMBER												
OCTOBER												
NOVEMBER	4	4					350	7515.2				
DECEMBER	4	4					492.5	10592.8				
TOTAL	8	8					842.5	18108				
TOTALS FOR FINAL REPORT	8											

DATE ON WHICH FINAL WEATHER MODIFICATION ACTIVITY OCCURRED *(For Final Report only.)*

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: Neil Flaiz

AFFILIATION: Pacific Gas & Electric

SIGNATURE: Neil Flaiz
Digitally signed by Neil Flaiz
Date: 2023.02.02 11:09:00 -08'00'

STREET ADDRESS: 300 Lakeside Drive

OFFICIAL TITLE: Senior Meteorologist

CITY: Oakland | STATE: CA | ZIP CODE: 94612

DATE: 2/02/2023

INSTRUCTIONS FOR INTERIM AND FINAL REPORTS

Any person engaged in any weather modification project or activity in the United States on January 1 in any year shall submit one copy of this form setting forth as of such date the information required with respect to each such continuing project or activity not previously furnished in a prior interim report. The box indicating "Interim Report" should be checked. The January 1 date shall not apply if other arrangements have previously been made with the written approval of the Administrator of NOAA. The report shall be received by NOAA not later than 45 days following the end of the reported period.

Upon completion of a project or activity, one copy of this report shall be submitted and the box checked indicating "Final Report." The final report shall be received by NOAA not later than 45 days after the completion of the project or activity.

The NOAA File Number should be filled in for any project for which the Administrator has assigned a file number.

A supplemental report in letter form referring to the appropriate NOAA file number must be made to the Administrator if the "Interim" or "Final" reports are found to contain any material inaccuracies, misstatements, and omissions.

INTERIM REPORT

The information in Items (a) through (d) on the report form should be provided as prescribed below for the months to which the report pertains. If no data are applicable for any given item in any month, enter zero.

Item (a) Enter the number of days on which actual weather modification activities took place.

Item (b) Enter in the appropriate column the number of days on which modification activities were conducted, segregated by each of the major purposes of the activities. Normally, the total of entries in (b) would equal the total in (a).

Item (c) Enter in the appropriate column the total number of hours of operation of each type of weather modification apparatus (i.e., net hours of agent release). If the form does not contain sufficient space, report additional types on a separate sheet.

Item (d) Enter in the appropriate column the total amount of agent used, by type. If the form does not contain sufficient space, report additional types on a separate sheet. **Silver Iodide (grams), Carbon Dioxide (pounds), Urea (gallons), Sodium Chloride (grams), Other (indicated on a separate sheet the type and unit of measure.)**

The totals for these items shall be provided for the period covered by the interim report.

FINAL REPORT

The final report shall contain the information required for interim reports, to the extent not previously report. In addition, the items designated as "Totals for Final Report" should be report. This information should pertain to the entire project or activity period, rather than only the period since the last interim report. At the space at the end of the form, enter the date on which final weather modification activity occurred.

INFORMATION PROVIDED UNDER THE PROVISIONS
OF THE
PAPERWORK REDUCTION ACT OF 1995

The Paperwork Reduction Act o f1995 requires that individuals or organizations be provided with the following information if they provide information on paper forms which are collected by the Federal Government.

1. Public Law 92-205, enacted December 18, 1971 (amended by Public Law 94-490, Section 6(b), October 15, 1976) requires that all non-federal weather modification activities in the United States and its territories be reported to the Secretary of Commerce. The National Oceanic and Atmospheric Administration has implemented the Act and the current reporting requirements are published in the Code of Federal Regulations (15 CFR 908).

2. The intent of the program is to increase expertise in the field of weather modification, to allow scientists and other concerned persons to have access to information on current and past efforts at weather modification, to help avoid unneeded and wasteful duplications, to aid in preventing territorial overlapping of weather modification operations, to provide data to assess possible harmful or dangerous activities, and to furnish information to check both desirable and undesirable atmospheric changes against records of weather modification efforts. To meet this objective, information is collected on the location and size of the target area, names and addresses of sponsors and operators, beginning and ending dates of the project, specific purpose, description of apparatus and seeding agents to be used, number of days of operations, number of hours of operations of each type of weather modification apparatus, and total amount of seeing agent used.

3. A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0648-0025. Without this approval, we could not conduct this information collection. Public reporting for this information collection is estimated to be approximately 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are mandatory pursuant to Public Law 92-205, enacted December 18, 1971 (amended by Public Law 94-490, Section 6(b), October 15, 1976). Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the OAR Weather Program Office at Weather.Modification@noaa.gov.