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

Form Approved OMB Control No. 0648-0025
Expires 05/31/2027

INITIAL REPORT ON WEATHER MODIFICATION ACTIVITIES

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.

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
Project Espy

2. DATES OF PROJECT
a. DATE FIRST ACTUAL WEATHER MODIFICATION ACTIVITY IS TO BE UNDERTAKEN: July 27, 2026; subject to weather conditions
b. EXPECTED TERMINATION DATE OF WEATHER MODIFICATION ACTIVITIES: July 29, 2026; subject to weather conditions

3. PURPOSE OF PROJECT OR ACTIVITY
Convective cloud formation research.

4. (a) SPONSOR

NAME: Convective Technology Company
AFFILIATION: Convective Technology Company
PHONE NUMBER: (510) 931-3593
STREET ADDRESS: 4595 Ross
CITY: San Jose
STATE: CA
ZIP CODE: 95124

4. (b) OPERATOR

NAME: Zeeco, Inc.
AFFILIATION: Zeeco, Inc.
PHONE NUMBER: (918) 258-8551
STREET ADDRESS: 22151 East 91st Street
CITY: Broken Arrow
STATE: OK
ZIP CODE: 74014

5. TARGET AND CONTROL AREAS (See Instructions)

TARGET AREA		CONTROL AREA	
LOCATION: Area above and downwind of the ground based natural gas flare stack at the Zeeco Global Technology Center	SIZE OF AREA: Approx. 5 SQ. MI	LOCATION: Area not above or downwind of flare stack	SIZE OF AREA: N/A SQ. MI

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

Ground based natural gas flare stack at the Zeeco Global Technology Center. The flare stack is capable of more than 170 million British thermal units per hour of sustained thermal output. The technique is controlled thermal forcing for convective cloud formation research.

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

NAME: Willoughby Winograd
AFFILIATION: Convective Technology Company
PHONE NUMBER: (510) 931-3593
STREET ADDRESS: 4595 Ross
CITY: San Jose
STATE: CA
ZIP CODE: 95124

8. SAFETY AND ENVIRONMENT

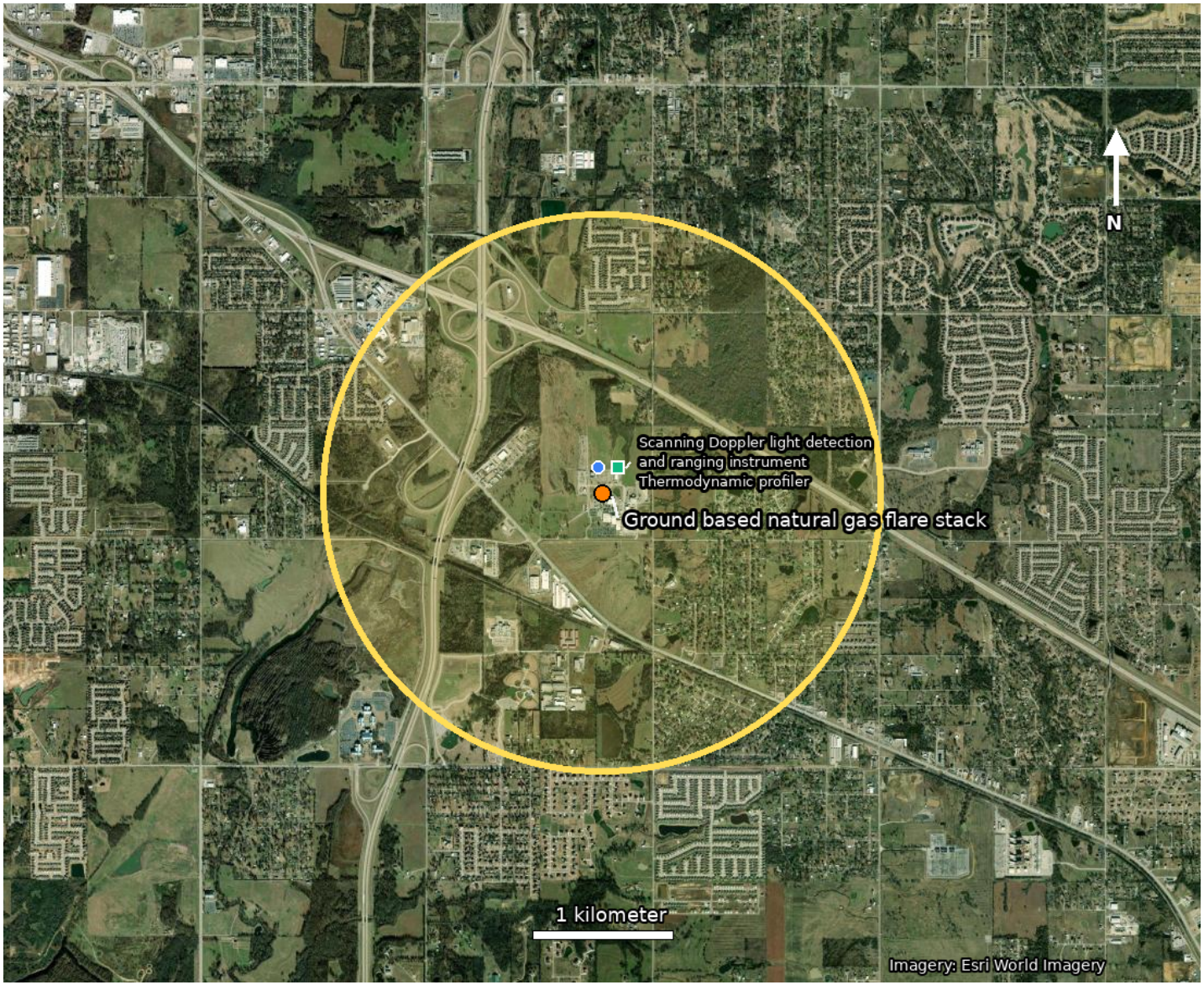
YES	X NO	Has an Environmental Impact Statement, Federal or State, been filed? If yes, please furnish a copy as applicable.
X YES	NO	Have provisions been made to acquire the latest forecasts, advisories, warnings, etc., of the National Weather Service, Forest Service, or others when issued prior to and during operations? If yes, please specify on a separate sheet.
X 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: Willoughby Winograd
AFFILIATION: Convective Technology Company
SIGNATURE: Willoughby Winograd
STREET ADDRESS: 4595 Ross
OFFICIAL TITLE: Chief Operating Officer
CITY: San Jose
STATE: CA
ZIP CODE: 95124
DATE: July 10, 2026
PHONE NUMBER: (510) 931-3593

Attachment A: Target Area Map And Item 8 Details



Notes

- Target area: approximately 5 square miles above and downwind of the ground based natural gas flare stack, depending on wind speed.
- Control area: area not above or downwind of the flare stack.
- Observation instruments shown: scanning Doppler light detection and ranging instrument and thermodynamic profiler.
- Item 8(b): Forecasts and observations will be reviewed from publicly available sources, including National Weather Service products, radar, atmospheric soundings, and High Resolution Rapid Refresh model data available through public web interfaces or application programming interfaces.
- Item 8(c): Operations will follow standard Zeeco operating procedures for safe operations of flare combustion testing.

Map shows approximate target and control areas only. Imagery: Esri World Imagery.