



*Panhandle Groundwater
Conservation District
P.O. Box 637
White Deer, Texas 79097
Phone: 806-883-2501
Mobile: 806-669-4458
Webpage: www.pgcd.us*

POSITION TITLE: *WEATHER MODIFICATION METEOROLOGIST*

REPORTS TO: DISTRICT MANAGER

JOB IDENTIFICATION: The meteorologist is a salaried employee who reports to the District Manager, and under that person's general direction primarily works independently to perform job duties pertaining to the Precipitation Enhancement Program. Starting salary range is between \$35,000 and \$50,000 depending on experience and qualifications.

REQUIREMENTS:

1. A Bachelors' Degree in Meteorology or a graduate of the U.S. Military Atmospheric Science Program
2. Eligible to be licensed by the Texas Department of Licensing and Regulations (TDLR) to operate a precipitation enhancement program
3. Valid driver's license
4. Excellent oral and written communication skills
5. Proficiency in many computer programs and applications including all Microsoft programs and LINUX

SPECIFIC PRINCIPLE DUTIES AND RESPONSIBILITIES:

1. Prepare a weather forecast daily during the Precipitation Enhancement Program duration (April-September).
2. Brief pilots by 10 AM daily and throughout the day on weather forecast and possible seeding operations.
3. Conduct precipitation enhancement seeding missions which includes, but is not limited to: monitoring the weather conditions, weather warnings and advisories, directing pilots to acceptable seeding clouds and around weather conditions, taking notes of operations during the mission including pilot's comments, and notating any other significant information pertaining to the mission.
4. Complete all paperwork pertaining to each mission which includes: collecting images from the TITAN program, collecting a TITAN estimated precipitation image, collecting flight tracks from both the TITAN and GPS located in the aircraft, collect a surface analysis near time of seeding, digitize flight logs and meteorologist notes, complete the

daily rain-enhancement report, collect flight data from the TITAN, and count total number of flares fired and what counties they were fired in.

5. Archives all TITAN data on days when seeding missions or reconnaissance flights occurred and transfer to a back-up hard drive.
6. Update Precipitation Enhancement Program information on the website including uploading new flight tracks from seeding missions.
7. Responsible for monthly, mid-season and yearly reports to designated parties regarding the Precipitation Enhancement Program.
8. Work with Texas Department of Licensing and Regulations (TDLR) for licenses and permitting requirements.
9. Maintain a proper flare count, and order new flares when needed for operations.
10. Collect at least one water sample a year from a seeded cloud and have it tested for materials used in flares.
11. Participate in activities conducted by the Texas Weather Modification Association including any meetings, workshops or conference calls.
12. Maintain PGCD's weather station connected to ABC 7, archive data and enter temperatures and precipitation measurements in the database.
13. Provide White Deer News with a weather summary of temperatures and precipitation each week.
14. Responsible for District's rain gauge program.
15. Must be able to give public presentations about the Presentation Enhancement Program for Board Meetings, civic groups and any upon request.
16. Participate in activities conducted by the Texas Weather Modification Association including any meetings, workshops or conference calls.
17. Provide at least two new articles for public release and the Panhandle Water News.
18. Provide information needed for PGCD's Annual Report.
19. Participate in any other District activities when help is needed.