



Texas Military Forces News

"Texans Defending Texas"

MEDIA ADVISORY

Media wishing to cover the demonstration tour and informational briefing are invited to do so on Saturday, May 23, 2015, and must coordinate with the Trinity University Media Relations Office for parking and additional details.

Members of the media can contact the Trinity University Media Relations Office at 210-999-8445. Trinity University is located at 1 Trinity Place, San Antonio, Texas 78212.

FOR IMMEDIATE RELEASE:

Texas Military Forces Partners with Local University to Research Alternate Water Sources

AUSTIN, Texas (May 20, 2015) - The Texas Army National Guard has partnered with Trinity University on a sustainability initiative as a way to address the possibility of water becoming a scarce resource.

On Saturday, May 23, 2015, a demonstration event, tour and informational briefing of atmospheric water generation (AWG) technology will be held from 11 a.m. to 2 p.m. at Trinity University, in San Antonio. The demonstration will illustrate the AWG technology in coordination with the specialized equipment of the Texas Army National Guard, as a sustainable source of water for use to support homeland security and domestic response missions.

"Water is a mission critical resource for the military and essential for military operations," stated Col. Tracy R. Norris, Director for the Construction and Facilities Management Office for the Texas Army National Guard. "It's used for drinking, food preparation, medical care, hygiene, and sanitation. Without it, we greatly reduce the ability of our forces to effectively carry out their mission. Water is also mission imperative at our installations across the state to support our soldiers with their training and operational needs."

Trinity Engineering Science Associate Professor Diana Glawe, Ph.D., P.E., will be testing the capabilities of an atmospheric water generation technology that is based on the principle of dehumidifying the air and producing high quality water that meets drinking water requirements. In a sense, the AWG technology extracts the surrounding water vapor and produces drinkable water.

Although not a new concept, the AWG technology being tested at Trinity is reported to produce over 2,200 gallons a day and has an operating range down to 20 percent relative humidity. Additionally, the AWG technology claims to be able to produce drinking water with minimal electric consumption.

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Part of Dr. Glawe's analysis will include the energy requirements of the AWG technology and the feasibility of supporting it with a renewable source of energy such as solar power. This in theory would make the AWG technology a sustainable option for water production.

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The mission of the Texas Military Forces (TXMF) is to provide the Governor and the President with ready and trained forces in support of the citizens of Texas and State and Federal civil/military authorities at home and abroad.

The Texas Military Forces are commanded by the Adjutant General of Texas, the state's senior military official appointed by the governor, and is comprised of the Texas Military Department (formerly the Adjutant General's Department), the Texas Army National Guard (TXARNG), the Texas Air National Guard (TXANG), the Texas State Guard (TXSG) and the Domestic Operations Command (DOMOPS).

For more information about the Texas Military Forces visit our Website at www.txmf.us.

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About Trinity University

Trinity University, one of the nation's top private undergraduate institutions, is known for its superior academic quality, personalized attention from outstanding faculty, exceptional resources, real-world preparation, and vibrant campus life. Trinity is a community that encourages students to discover, grow, and become passionate, productive individuals. Located in historic, culturally rich San Antonio, Trinity offers the most relevant education option for talented students today. For more information on Trinity University, visit <https://new.trinity.edu/>

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