At 3:00 a.m. on August 19, 2008, TX-TF1 was activated by GDEM to respond to the heavy rains and severe weather affecting North Texas. As a result, TX-TF1 deployed 4 Water Rescue Squads, command, and logistical support to Wichita County. TX-TF1 also activated 3 HSARTS to stage with TXMF helicopters in Austin, 10 support staff for the ESF-9 Command Team, 2 ESF-9 Coordinators, and 2 ESF-9 Liaison Officers.

TX-TF1 Water Rescue Squads worked with Wichita County emergency responders and TPWD personnel to rescue individuals near the Wichita River. TX-TF1 personnel also conducted airborne assessments of the area with local officials aboard a DPS aircraft to determine the extent of the flooding.

At 11:00 a.m. on the morning of August 20, after the water had receded and the threat of flooding in the area had subsided, GDEM released all TX-TF1 personnel to demobilize and return home.