MEETING MINUTES

MEETING: TWDB Mining Water Use Study Kick-off Meeting

RECORDED BY: Emma Jones (TWDB)
DATE: December 18, 2020
LOCATION: Microsoft Teams

ATTENDEES: TWDB staff, UTBEG staff, and various stakeholders.

AGENDA ITEM	Discussion
1.	Katie Dahlberg (Data Analyst/Team Lead at TWDB and Contract Manager) welcomed attendees to the meeting and provided introductory remarks.
2.	 Temple McKinnon (Director of Water Use, Projections, & Planning (WUPP)) discussed purpose and background of study. FY2020 USGS grant to update 2011 study from UTBEG. Study will be a comprehensive and quantitative assessment of mining water use and mining sources in Texas (oil and gas, aggregates, coal, and lignite) Data will be utilized for water demand estimates and projections for 2027 State Water Plan (SWP). Dependent on stakeholder involvement.
3.	 Katie described organization and general duties of WUPP department. Comprised of three sections: Regional Water Planning- Coordinates and assist in the development of Regional Water Plans (RWP). Water Use and Planning Data - Conducts the annual water use survey, with over 7,000 water users, and manages RWP database and water service boundary viewer. Economic & Demographic Analysis – Develops annual non-surveyed water estimates, annual utility population estimates, projections for population, and municipal and non-municipal water demands. Also develops the socio-economic analysis for the RWP/SWP.
4.	Bridget Scanlon (UTBEG) presented on tasks and methodology of study. Introduced research staff - Robert (Bob) Reedy, JP Nicot, Qian Yang. Tasks: 1. Quantify current and historical water use for hydraulic fracturing and produced water volumes. a. Data sources: Frac Focus and IHS b. Historical: 2009 – 2020 c. Depth and lateral length, use per length of lateral d. Collect data from operators, TXOGA, Groundwater Protection Committee e. Produced water volumes from both conventional and unconventional reservoirs f. Saltwater disposal well injection volumes 2. Identify sources of water for hydraulic fracturing. a. Data sources: Texas Department of Licensing and Regulation (TDLR) – rig, frack supply, industrial b. Connect well depths to Groundwater Availability Models and Aquifers c. Determine aquifer water quality: fresh or brackish 3. Develop projections of future water demand for hydraulic fracturing for oil and gas (2030-2080). a. Historical well spacing will be used in projections

water
<i>w</i> ater
<i>w</i> ater
<i>w</i> ater
<i>w</i> ater
water
1
+h
th
rst?
otion is
50
a to
s to illed.
iicu.
it be a
ride
l
timate
al
OGA
ıre,
.1 C ,
ovide
57146

AGENDA ITEM	Discussion				
	8. Q: Will the study attempt to quantify reuse for uses other than for hydraulic				
	fracturing?				
	 A: This study will attempt to quantify produced water and reuse for water 				
	demand, but then it might be able to estimate how much water might be				
	available for other uses. There are other efforts in the State to find				
	beneficial use for reuse, and this requires a much more specific analysis.				

ACTION ITEM				
What	Wно	WHEN		
1. Provide mining study website address and meeting note	TWDB	December 2021		
2. First Progress Report	TWDB/UTBEG	March 2021		
3. Next Progress Meeting	TWDB/UTBEG	May/June 2021		