



To: Mitchell Sodek, General Manager, Central Texas GCD
From: Neil Deeds, PhD, PE, PG
Date: January 26, 2025
Re: Asphalt Inc Hydrogeologic Report: Request for Information

1 Background

Central Texas Groundwater Conservation District (CTGCD) requested that INTERA review the Hydrogeologic Report supporting the potential permitting of the Asphalt Inc's wells #1 and #2 (Westward Environmental Inc, 2025). The wells were drilled down to the granite contact, and span several potential productive units, including the Hickory Aquifer.

After initial review and meeting with representatives from Westward, we identified some additional information that would be needed to complete our review.

2 Request for Additional Information

The following additional information is requested.

1. Detailed cross-section of aquifer units from surface to bottom of well completion zones, including other typical well completions in the area, and any inferred structural features (faulting/etc).
2. Please clarify the formation tops and bottoms in the geophysical log and clarify in which aquifer the wells were completed.
3. Analysis of test response in pumping wells to generate two more estimates of transmissivity. Discuss whether each monitor well response is reflective of being well-connected to pumping well. Also explain "stepwise" response in pumping well in terms of potential variation in flow rates during the test.
4. Further support estimates of storativity that will be used in the forward simulation, with precedence for field estimates. Increased storativity with time must be demonstrated in the aquifer testing to use in forward simulation.
5. For the predictive simulation, please only include wells that have been drilled and tested.
6. Contour plot of 30-years predicted drawdown, including locations of existing wells. The map should be plotted at two scales, with one including an area within an approximate 0.5 mile radius of the wells (to include wells that were monitored during testing), and a broader one including an area within a 2 mile radius of the wells.

3 References

Westward Environmental, 2025. Burnet Quarry Groundwater Availability Report.