

ATTACHMENT E

PLAIN LANGUAGE SUMMARY

Pursuant to 30 TAC §39.405(k) Bluebonnet Sequestration Hub submits this Plain-Language Summary of the application including the following information:

1. the applicant/operator name;
2. the type of application;
3. the type of waste;
4. the type of facility;
5. the facility name and location;
6. the function of the proposed plant or facility;
7. the expected output of the proposed plant or facility;
8. the expected pollutants that may be emitted or discharged by the proposed plant or facility which require an injection well permit; and
9. how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Notice in an alternative language is not required in accordance with 30 TAC §39.426

In addition, provide a copy of the plain-language summaries in pdf clearly labeled on a flash drive.

ENGLISH

Bluebonnet Sequestration Hub, LLC will operate the Bluebonnet Sequestration Hub Facility in Chambers County. The purpose of this new underground injection control (UIC) facility is to dispose of saline water from one subsurface formation into another subsurface formation. The facility will be located along I-10 Frontage Rd, Winnie, Texas, 77665. Directions from Winnie, TX (int. of TX-124 N & Gulfway Dr.) to the facility are the following: Drive North on TX-124 N /Gulfway Dr. toward Broadway Ave. for 89 ft. Turn left onto FM1406/Broadway Ave. and drive for 1.1 miles. Turn right at the curve and continue for 0.3 miles. Turn left onto I-10 Frontage Rd. and drive for 3.6 miles. Turn left onto Lease Road and drive for 0.2 miles. Turn left at Ogden Ditch and drive for 0.7 miles. This is a new permit application for two injection wells (WDW495 and WDW496) which have not been permitted or drilled as of the date of this publication, as this is an initial application.

The Bluebonnet Sequestration Hub Facility will accept non-hazardous formation waters (*i.e.* waste) which are generated offsite from wells extracting saline brine from deeper geological formations. This produced saline formation brine will be disposed of via the proposed on-site injection wells into shallower saline formations. Examples of waste to be permitted for injection into the wells include: formation waters from the deeper saline Frio and Miocene Formations, non-hazardous contaminated surface and groundwater associated with well maintenance, and non-hazardous fluids generated during the drilling, construction and operation of the Bluebonnet Sequestration Hub. The facility will not generate a waste stream, nor will the facility inject hazardous materials.

The proposed injection wells have been designed and will be installed according to Texas agency laws and regulations. The annual amount of waste to be injected will not exceed 630,720,000 gallons per year (*i.e. cumulative for all wells*). The injection wells will be equipped with inner and outer casings made with corrosion-resistant materials cemented to surface, an annulus space maintained under constant pressure, and sophisticated monitoring systems. Annual mechanical integrity tests will be conducted to confirm that no failure of the protective casing or other equipment has occurred. The injected waste streams are monitored for flow, pH, specific gravity, and constituents. Finally, the injection wells will be fitted with automatic alarms and shutdown systems, that can stop operations immediately if certain operating conditions are encountered or if monitoring equipment has failed.