

ATTACHMENT E

PLAIN LANGUAGE SUMMARY

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This is an initial application submitted by Fort Bend Regional Landfill, L.P. to store, process, and dispose of nonhazardous waste in a commercial facility through a Class I injection well. The facility is located at 14115 Davis Estate Rd. Needville, Texas, 77461

The proposed facility will store, process, and subsurface disposal by injection into a deep, isolated formation of nonhazardous liquid waste streams, including leachate and other incoming materials. A mixed, neutralized stream of nonhazardous water-based fluid is produced in the facility and injected into the well for permanent disposal. The proposed facility keeps the liquid waste streams out of the surface and groundwater environments, reduces truck traffic needed to dispose of the onsite generated leachate at off-site disposal facilities, and allows the landfill to operate more efficiently and conserve disposal airspace.

Landfill leachates, wash water, tank washouts, contaminated stormwater, other aqueous fluids, scrubber water, other inorganic liquids, and nonhazardous brines will be neutralized into a single stream of nonhazardous water-based fluid.

Substantial work has been done to assure that the selected injection formation in the deep earth provides complete confinement and isolation of the injected material and that any penetrations of the confining earth layers are outside the subsurface area influenced by the injected material. The proposed Class I nonhazardous injection well will be constructed with dual concentric steel casing pipes. Both casings will be fully cemented to the surface, ensuring no gaps between the casing and the surrounding earth through which injected fluid could escape. The quality of the cement seal will be verified by cement bond and other geophysical logging. The outside casing pipe will penetrate from the surface to at least 100 feet below the deepest underground source of drinking water (USDW) to protect all required groundwater with less than 10,000 mg/L total dissolved solids. The well will be actively monitored throughout its life to ensure its continued integrity.