



The Greenhouse Road landfill can operate under current permit 1599A until 2030, 48' MSL to 163' MSL. The Greenhouse Road 1599B expansion is projected to operate until 2053, 48' MSL to 183' MSL-the size of six story building of construction Trash(sheetrock, etc). Current residential elevation is 122' msl. Greenhouse landfill signed a legal agreement in 2000 with Harris County and Rolling Green Subdivision to stop at 163' MSL. **See TAB 3**

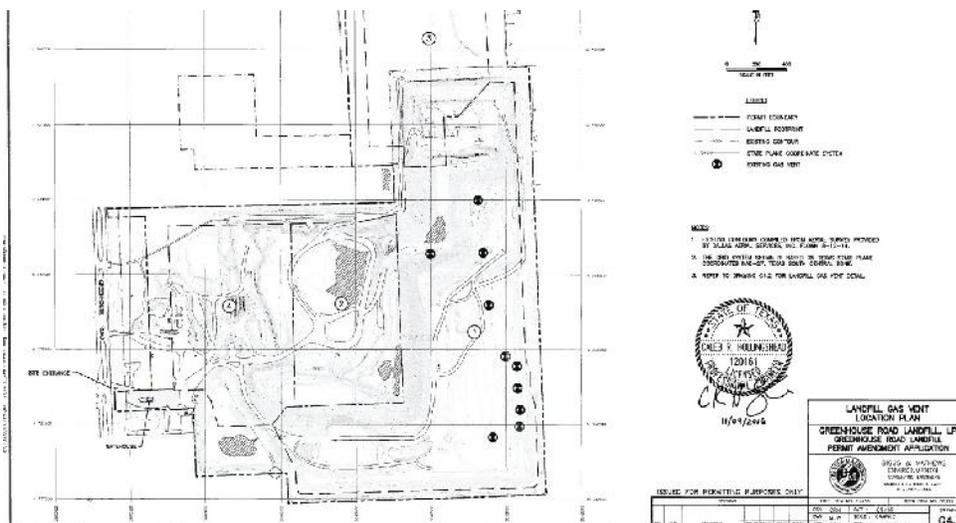
**Toxicity levels for H2S landfill gas are:**

**TABLE 4-1 Summary of AEGL Values for Hydrogen Sulfide**

Classification	10 min	30 min	1 h	4 h	8 h	End Point (Reference)
AEGL-1 (Nondisabling)	0.75 ppm (1.05 mg/m <sup>3</sup> )	0.60 ppm (0.84 mg/m <sup>3</sup> )	0.51 ppm (0.71 mg/m <sup>3</sup> )	0.36 ppm (0.50 mg/m <sup>3</sup> )	0.33 ppm (0.46 mg/m <sup>3</sup> )	Headache in humans with asthma (Jappinen et al. 1990)
AEGL-2 (Disabling)	41 ppm (59 mg/m <sup>3</sup> )	32 ppm (45 mg/m <sup>3</sup> )	27 ppm (39 mg/m <sup>3</sup> )	20 ppm (28 mg/m <sup>3</sup> )	17 ppm (24 mg/m <sup>3</sup> )	Perivascular edema in rats (Green et al. 1991; Khan et al. 1991)
AEGL-3 (Lethality)	76 ppm (106 mg/m <sup>3</sup> )	59 ppm (85 mg/m <sup>3</sup> )	50 ppm (71 mg/m <sup>3</sup> )	37 ppm (52 mg/m <sup>3</sup> )	31 ppm (44 mg/m <sup>3</sup> )	Highest concentration causing no mortality in the rat after a 1-h exposure (MacEwen and Vernot 1972)

Students have been exposed to this gas and the monitoring of exposure does not exist. Even though the amount can be non-disabling-it can affect their respiratory systems. There have been multiple complaints of odors within the one mile area of the landfill. Harris County has not test sampled H2S levels in this area. There are no limits set. **See TAB 1** for more standards(ie OSHA).

Methane Gas has limits of 1.25% in air and 5% in the ground monitoring. Greenhouse is to notify the surrounding area to evacuate if the limits are attained. They only test their wells once every 90 days. Greenhouse Road Landfill has been using a temporary Landfill gas venting system to vent landfill gas since at least 2014. Turbo vents on top of PVC pipe. Here are the locations. **See TAB 1**



Greenhouse Road Landfill is to meet the TCEQ requirement of being able to control and adequately drain a 25 year rainfall event storm water event. All water is to be drained to the South West detention pond for legally PERMITTED storm water discharge. The landfill is inadequate to handle the 25 year rainfall event and flooding has occurred. Further if water touches any waste on the landfill, it becomes "contaminated" waste and must be trucked off the site if allowed to pond. The landfill has discharged contaminated water outside their permit boundary. **See TAB 2**

Attached are news articles and the Channel 11 broadcast of the stop Landfill movement. Also attached are letters written to TCEQ, commenting on the landfill and opposition by numerous entities.  
**See TABS 4 AND 5**

My request to KISD is to comment to TCEQ on the expansion in that you feel the 1599b expansion is not in the best interests of the students that attend school at Cardiff, Mayde Creek, and Schmalz.

Please sign the opposition petition, which can be found at <http://stopgreenhouselandfill.com/>

Finally, send a letter to Commissioner's court stating that the expansion is not in the best interest of the student population surrounding the Landfill schools within one mile.

Thank you for your attention and assistance in this matter.

A handwritten signature in cursive script that reads "Gary D Brown".

Gary D Brown, PE  
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