

**Application to Land Spread Solid Waste Generated by Drilling Oil and Gas Wells
Calculations for spreading depth, acreage, and rate**

KCC Land Spreading Approval Number: 102
 Well Number(s): Well 3 and 4
 Property Owner: Mr. Farmer
 Property address or location description: Southeast Corner of 125th and 59 Highway
 1.5 miles north of Caney
 Total land spreading acreage available: 50
 County: Bourbon
Incorporation Required

| Tank or Pit Number/Description: | | Tank 1 | Tank 2 | Tank 3 | Tank 4 | Tank 5 | Tank 6 | Pit 1 | Pit 2 | Pit 3 | Pit 4 |
|--|---------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| Drilling waste volume (indicate if units are gallons or barrels) | | 10,000 | 5,000 | 20,000 | 25,000 | 10,000 | 5,000 | 8,000 | 10,000 | 7,500 | 9,000 |
| Drilling waste chloride concentration (field or lab method): | ppm | 2,500 | 10,000 | 3,600 | 6,000 | 7,500 | 8,000 | 13,000 | 950 | 1,000 | 2,000 |
| Receiving soil chloride concentration (field or lab method): | ppm | 499 | 40 | 40 | 40 | 40 | 355 | 355 | 355 | 500 | 500 |
| Irrigation water chloride concentration (field or lab method): | ppm | 20 | 20 | 20 | 20 | 650 | 650 | 100 | 100 | 100 | 100 |
| Irrigation water applied to the field in a year | inches | 30 | | | | 780 | 780 | 120 | 120 | 120 | 120 |
| Resulting Application Area, Depth, and Rate | | | No | | | No | No | No | | No | No |
| Spreading Depth | inches | 1.7 | | 2.0 | 1.7 | | | | 2.0 | | |
| Acreage | acres | 0.2 | | 0.4 | 0.5 | | | | 0.2 | | |
| Rate of Spreading in Tons/Acre | tons per acre | 257 | | 301 | 259 | | | | 301 | | |
| Rate of Spreading in Gallons/Acre | gallons/acre | 46,386 | | 54,305 | 46,703 | | | | 54,305 | | |
| Rate of Spreading in Barrels/Acre | barrels/acre | 1,104 | | 1,293 | 1,112 | | | | 1,293 | | |