

**Phased Development Cost Estimate Summary
February 2015 Update
City of Springfield Sanitary Landfill**

Submitted 2-2-15

| Phase | Landfill Development Area (ac) | Remaining Waste Volume (CY) | Waste Capacity (tons) | Estimated Closure Date | Cell Construction Cost | Closure Cost | Post-Closure Cost | Total Closure and Post-Closure Costs |
|----------------------|--------------------------------|-----------------------------|-----------------------|------------------------|------------------------|--------------|-------------------|--------------------------------------|
| South Ravine Phase 1 | 6.1 | 0 | 0 | - | Complete | \$662,871 | \$157,253 | \$820,124 |
| Cell 2 Phase 1 | 6.8 | 1,460,100 | 876,060 | Nov-18 | Complete | \$701,429 | \$175,299 | \$876,728 |
| South Ravine Phase 2 | 7.5 | 1,240,000 | 744,000 | Nov-21 | \$1,575,000 | \$809,188 | \$180,455 | \$989,643 |
| South Ravine Phase 3 | 8.8 | 1,120,000 | 672,000 | Jun-24 | \$1,848,000 | \$884,364 | \$206,234 | \$1,090,598 |
| Cell 2 Phase 2 | 14.0 | 2,520,000 | 1,512,000 | Nov-29 | \$2,940,000 | \$1,423,660 | \$360,906 | \$1,784,566 |
| Noble Hill/Cell 1 | 118.5 | 35,000 | 21,000 | Dec-29 | Complete | \$5,772,052 | \$3,144,742 | \$8,916,794 |
| North Ravine | 4.9 | 35,000 | 21,000 | Jan-30 | Complete | \$472,204 | \$126,318 | \$598,522 |
| Compound Area | 4.4 | 135,000 | 81,000 | Apr-30 | Complete | \$424,020 | \$113,429 | \$537,448 |
| Totals | 171.0 | 6,545,100 | 3,927,060 | | \$6,363,000 | \$11,149,786 | \$4,464,637 | \$15,614,423 |

Notes:

1. Landfill Development Area reflects area of bottom liner constructed or to be constructed. Based on revised South Ravine boundary approved June 2010.
2. Remaining Waste Volume for Noble Hill/Cell 1, North Ravine, and Compound Cell based on 4rd Quarter 2014 volume calculations by SCS Aquaterra (Surveyed January 22, 2015).
3. Closure and Post-Closure Costs are based on the MDNR worksheets MO 780-1882 (4-04).
4. Inseparable Post-Closure Costs allocated to phases based on development area.
5. Closure and Post-Closure Costs are in 4th quarter 2014 dollars.
6. Cell construction costs are based on per acre 2007 cell construction costs for the Compound Cell (\$210,000 per acre) includes contractor and City costs.
7. Waste tonnage estimated at 700 tons per day through January 2014 growing at 2% per year thereafter.
8. Remaining cell tonnage based on a waste density of 1,200 lbs/cubic yard.