

**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.