

-ctate of Illinois  
JB Pritzker, Governor

Illinois Environmental Protection Agency  
John J. Kim, Director



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# Illinois Landfill Disposal Capacity Report



October 2020

## Introduction

Pursuant to Section 4 of the Illinois Solid Waste Management Act, the Illinois Environmental Protection Agency (Illinois EPA) has prepared this report reflecting the available disposal capacity of permitted landfills in Illinois and the estimated life expectancy of those landfills. This report identifies the cumulative remaining disposal capacity and landfill life expectancy for the State as a whole, for each of the seven Illinois EPA administrative regions of the State, and for each individual active permitted landfill. The data contained in this report is based upon information each permitted landfill is required to report to the Illinois EPA annually; specifically the volume of solid waste accepted by a landfill during the calendar year and the remaining disposal capacity of the landfill as of January 1 of the following year. For this report, the projected life expectancy of each landfill is determined by dividing the landfill's reported disposal capacity by the landfill's average annual disposal rate for the last five years.

## Interactive Landfill Capacity and Life Expectancy Map

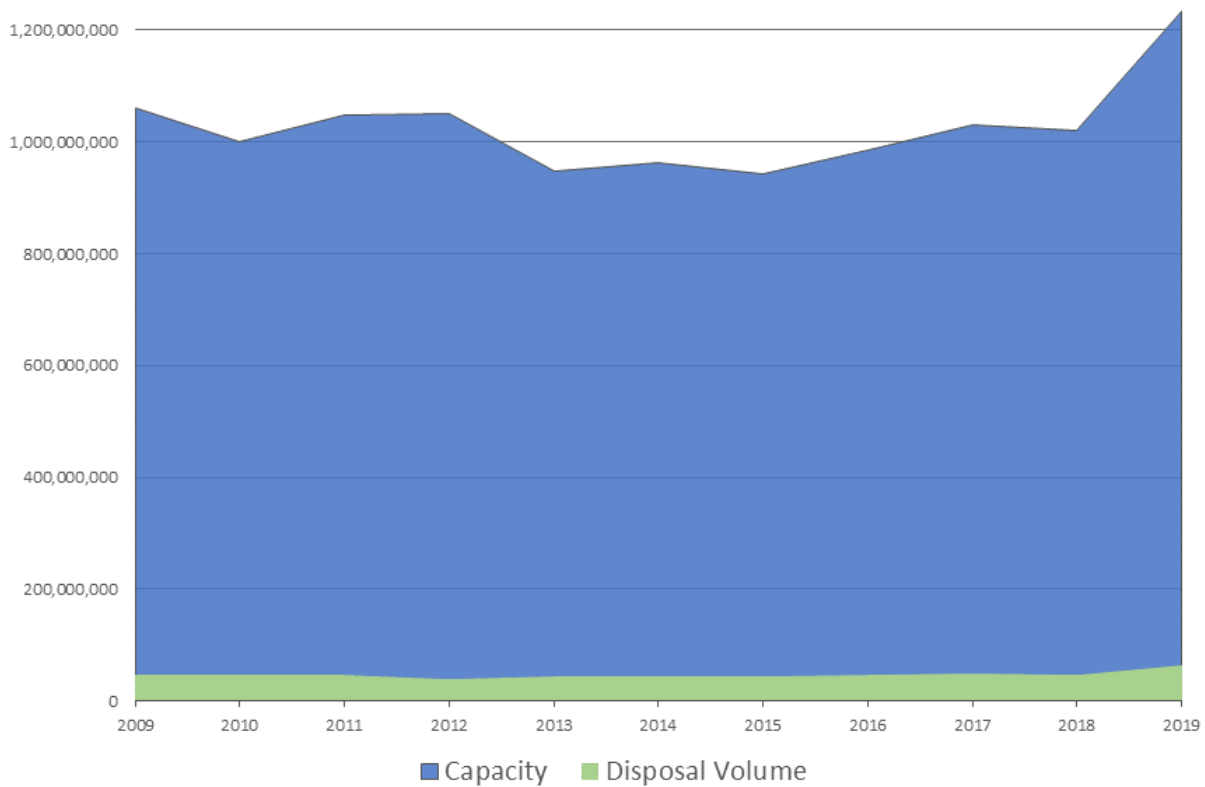
Illinois EPA has developed an Interactive Map for landfill Capacity and Life Expectancy. The map can be found at: <https://storymaps.arcgis.com/stories/235c25e055c14327813aa4695f58c95c>.

You may choose a Region in the Bookmark Section for a visual representation of the data summarized in the Illinois Landfill Capacity Disposal Report. Users can switch between Capacity and Life Expectancy data by using the Layers section below the map.

## Permitted Statewide Disposal Capacity

During calendar year 2019, Illinois' 37 permitted landfills reported receiving a total of 63,433,903 cubic yards of solid waste. These landfills have a remaining combined available disposal capacity of 1,232,353,880 cubic yards. At the average disposal rate over the past five years, these landfills will have a cumulative life expectancy of approximately 24.5 years. However, cumulative landfill capacity and life expectancy may vary year-to-year based on a number of factors, including waste disposal rates, landfill expansion, and the construction of new landfills.

### Illinois Landfill Capacity and Disposal Volumes



## Landfill Capacity and Disposal Volume by Region

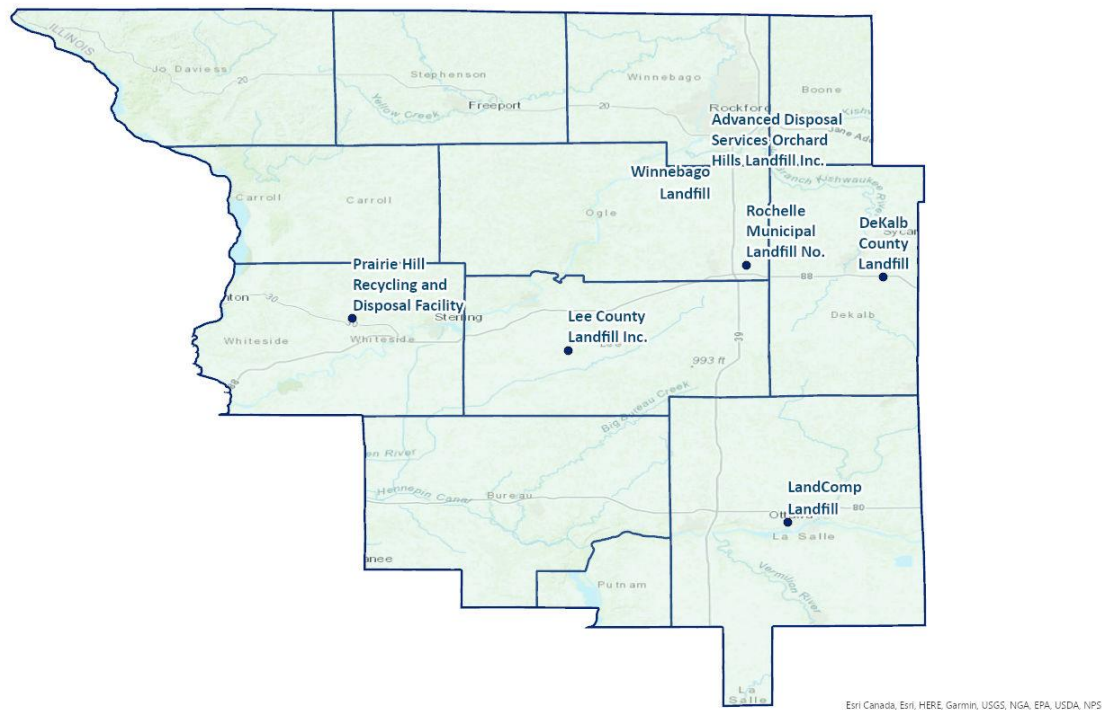
The Illinois EPA divides the State into seven administrative regions. These regions have various numbers of landfills, disposal rates, landfill capacities, and landfill life expectancies. The table identifies this information on a regional basis.

### Regional and Statewide Totals

Region Number	Geographic Area	Number of Landfills	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
1	Northwestern Illinois	7	504,128,514	32,593,895	19,844,604	25.40
2	Chicago Metropolitan	4	98,700,537	8,810,328	7,957,456	12.40
3	Peoria/Quad Cities	7	150,475,284	4,924,012	4,972,816	30.26
4	East Central Illinois	6	174,696,417	5,914,813	6,204,771	28.16
5	West Central Illinois	4	50,380,301	1,717,440	1,731,765	29.09
6	St. Louis Metro East	4	171,891,332	7,525,820	7,942,345	21.64
7	Southern Illinois	5	82,081,495	1,947,595	1,702,066	48.22
<b>Total</b>		<b>37</b>	<b>1,232,353,880</b>	<b>63,433,903</b>	<b>50,355,822</b>	<b>24.47</b>

## Region 1: Northwestern Illinois

Seven landfills in Region 1 reported available capacity as of January 1, 2020. The location of each landfill in Region 1 is depicted here.



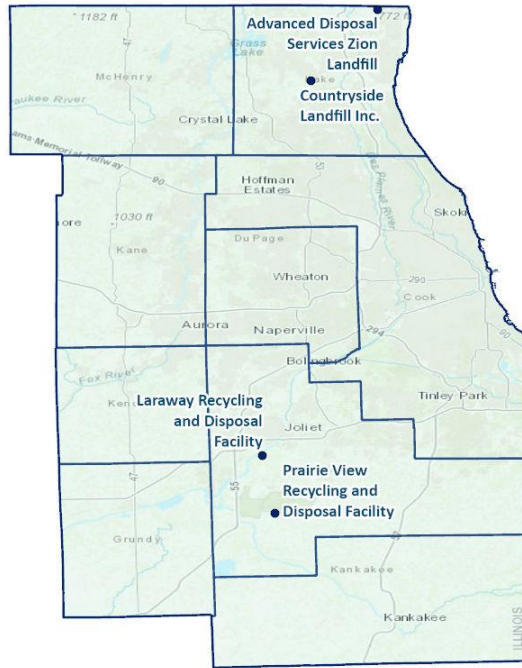
The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

### Region 1: Northwestern Illinois

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Advanced Disposal Services Orchard Hills Landfill Inc.	41,986,998	9,286,698	7,789,109	5.4
DeKalb County Landfill	67,852,217	2,396,885	2,228,552	30.4
LandComp Landfill	14,729,878	870,644	915,860	16.1
Lee County Landfill Inc.	53,600,570	658,583	1,088,296	49.3
Prairie Hill Recycling and Disposal Facility	35,600,762	1,224,418	1,132,481	31.4
Rochelle Municipal Landfill No. 2	11,673,840	164,115	395,121	29.5
Winnebago Landfill	278,684,249	17,992,552	6,295,185	44.3
<b>Total</b>	<b>504,128,514</b>	<b>32,593,895</b>	<b>19,844,604</b>	<b>25.4</b>

## Region 2: Chicago Metropolitan

Four landfills in Region 2 reported available capacity as of January 1, 2020. The location of each landfill in Region 2 is depicted here.



Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

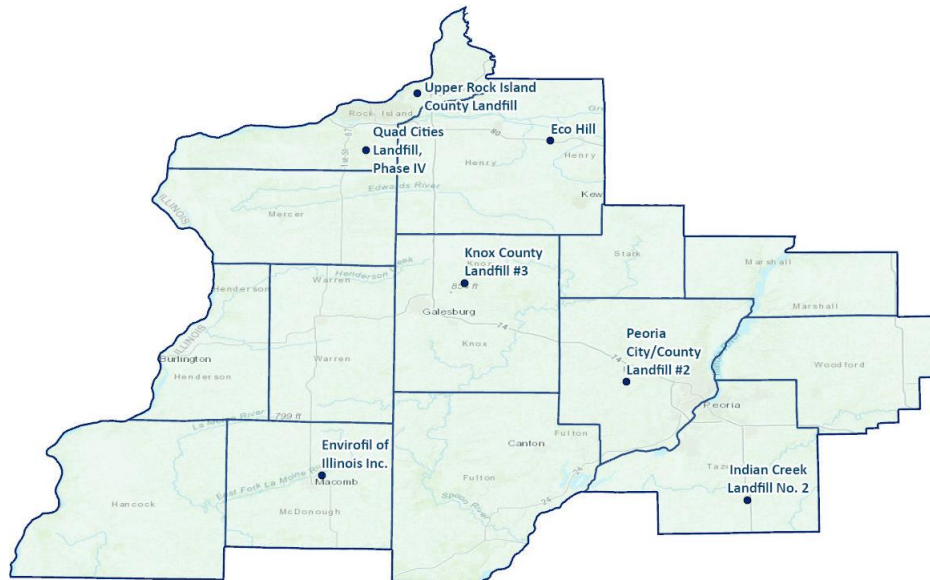
The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

### Region 2: Chicago Metropolitan

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Advanced Disposal Services Zion Landfill	17,725,365	1,706,160	2,153,070	8.2
Countryside Landfill Inc.	6,656,403	1,143,435	1,220,717	5.5
Laraway Recycling and Disposal Facility	12,927,133	2,120,010	2,152,240	6.0
Prairie View Recycling and Disposal Facility	61,391,636	3,840,723	2,431,429	25.2
<b>Total</b>	<b>98,700,537</b>	<b>8,810,328</b>	<b>7,957,456</b>	<b>12.4</b>

## Region 3: Peoria/Quad Cities

Seven landfills in Region 3 reported available capacity as of January 1, 2020. The location of each landfill in Region 3 is depicted here.



Eri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

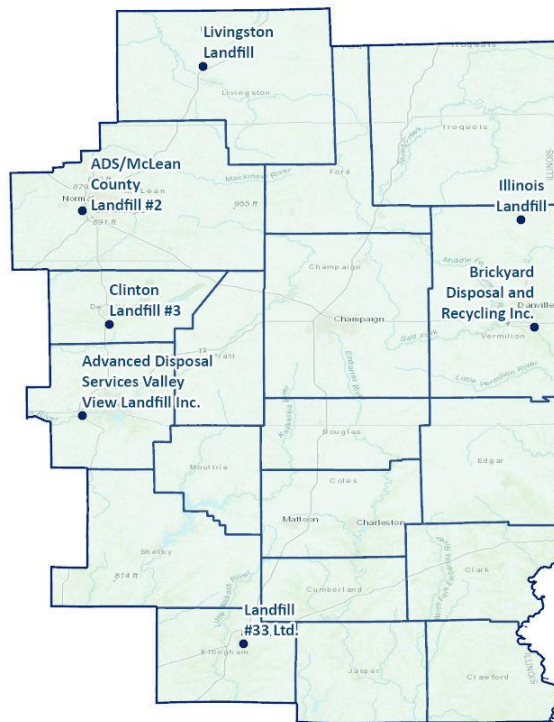
**Eco Hill** - Eco Hill is a recently opened landfill. It's re-opening increased Region 3 landfill capacity by 28% and increased the Region's lifetime expectancy by more than 7 years.

### Region 3: Peoria/Quad Cities

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Eco Hill	33,008,523	191,432	191,432	172.4
Envirofil of Illinois Inc.	17,078,304	174,717	181,020	94.3
Indian Creek Landfill No. 2	35,912,756	1,189,547	1,130,234	31.8
Knox County Landfill #3	2,814,921	280,241	313,771	9.0
Peoria City/County Landfill #2	2,900,562	724,631	798,458	3.6
Quad Cities Landfill, Phase IV	46,685,800	1,486,908	1,498,954	31.1
Upper Rock Island County Landfill	12,074,418	876,536	858,947	14.1
<b>Total</b>	<b>150,475,284</b>	<b>4,924,012</b>	<b>4,972,816</b>	<b>30.3</b>

## Region 4: East Central Illinois

Six landfills in Region 4 reported available capacity as of January 1, 2020. The location of each landfill in Region 4 is depicted here.



Eri, HERE, Garmin, FAO, USGS, INGA, EPA, NPS

The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

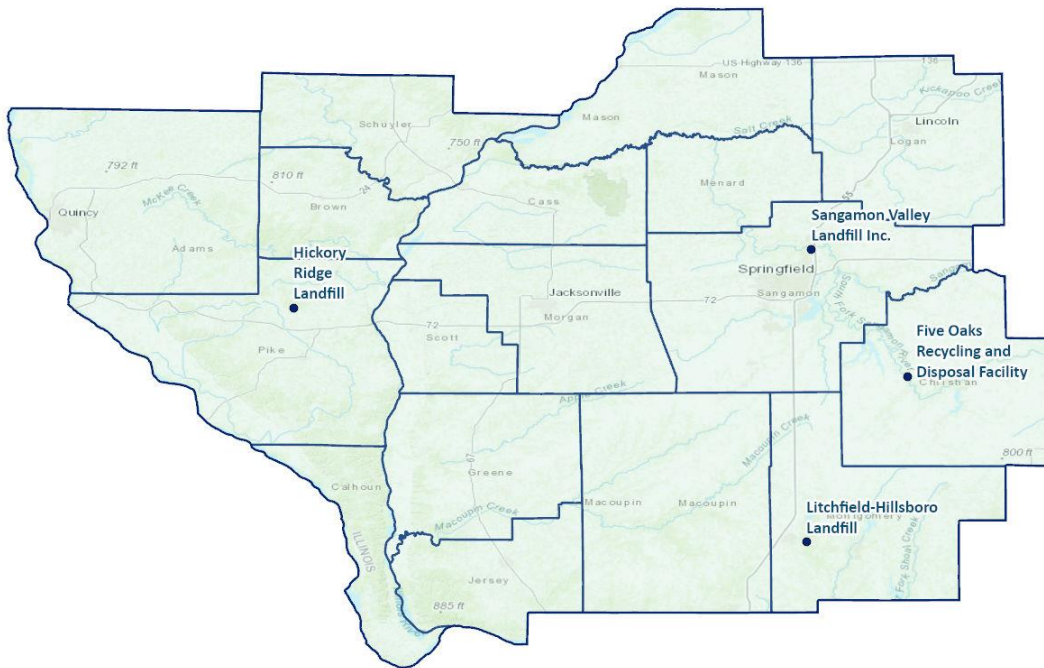
### Region 4: East Central Illinois

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Advanced Disposal Services Valley View Landfill Inc.	17,707,125	568,300	539,475	32.8
Brickyard Disposal and Recycling Inc.	11,371,703	689,585	689,605	16.5
Clinton Landfill #3	55,230,467	1,369,028	1,073,993	51.4
Illinois Landfill	20,160,580	105,235	104,071	193.7
Landfill #33 Ltd.	972,012	305,506	272,251	3.6
Livingston Landfill	69,254,530	2,877,159	3,525,376	19.6
<b>Total</b>	<b>174,696,417</b>	<b>5,914,813</b>	<b>6,204,771</b>	<b>28.2</b>



## Region 5: West Central Illinois

Four landfills in Region 5 reported available capacity as of January 1, 2020. The location of each landfill in Region 5 is depicted here.



Eri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

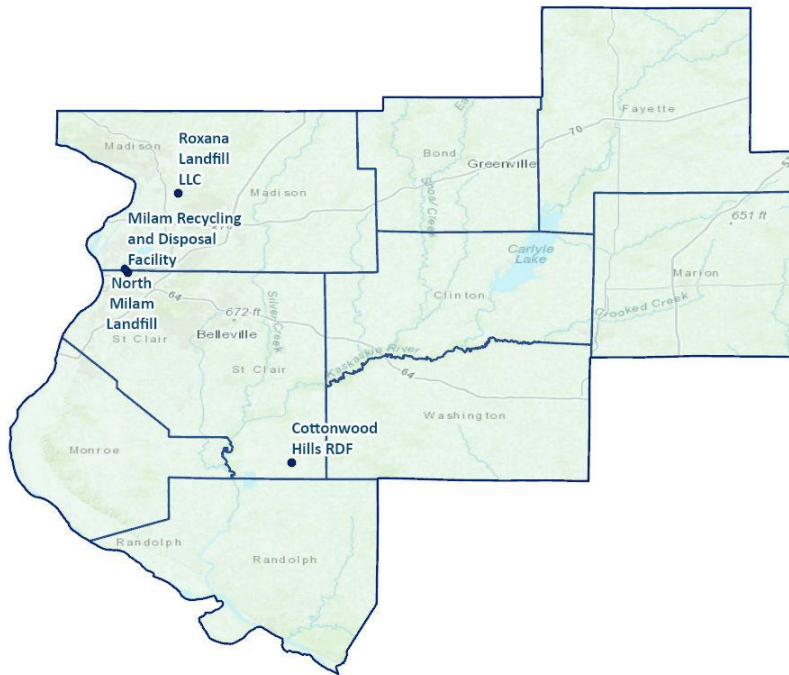
The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

### Region 5: West Central Illinois

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Five Oaks Recycling and Disposal Facility	14,977,169	692,301	684,637	21.9
Hickory Ridge Landfill	28,381,912	479,071	493,052	57.6
Litchfield-Hillsboro Landfill	2,157,810	160,051	180,102	12.0
Sangamon Valley Landfill Inc.	4,863,410	386,017	373,974	13.0
<b>Total</b>	<b>50,380,301</b>	<b>1,717,440</b>	<b>1,731,765</b>	<b>29.1</b>

## Region 6: St. Louis Metropolitan East

Four landfills in Region 6 reported available capacity as of January 1, 2020. The location of each landfill in Region 6 is depicted here.



Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

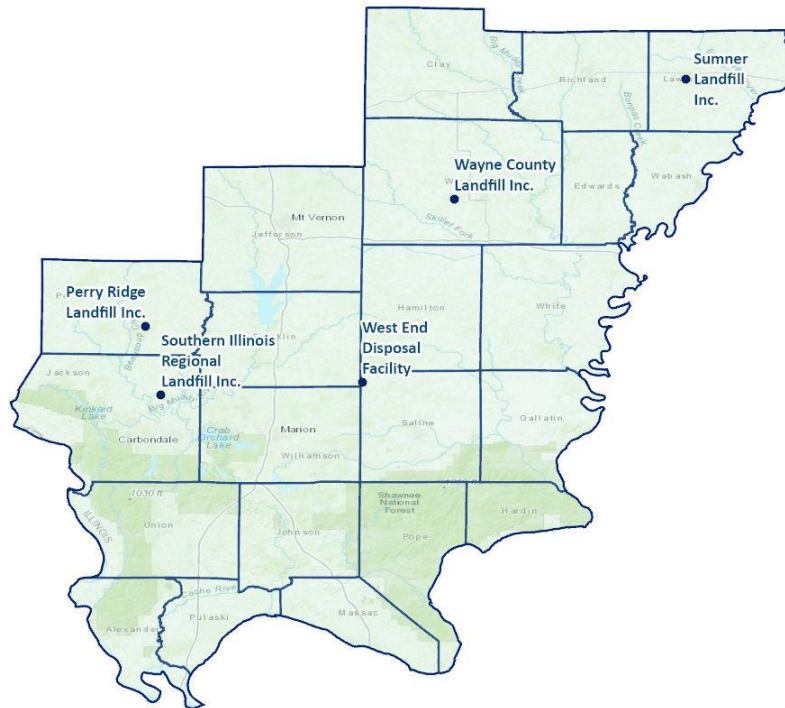
The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

**Region 6: St. Louis Metropolitan East**

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Cottonwood Hills RDF	77,442,480	991,488	1,123,042	69.0
Milam Recycling and Disposal Facility	255,150	9,325	363,215	0.7
North Milam Landfill	32,213,700	2,398,149	2,231,999	14.4
Roxana Landfill Inc.	61,980,002	4,126,858	4,224,089	14.7
<b>Total</b>	<b>171,891,332</b>	<b>7,525,820</b>	<b>7,942,345</b>	<b>21.6</b>

## Region 7: Southern Illinois

Five landfills in Region 7 reported available capacity as of January 1, 2020. The location of each landfill in Region 7 is depicted here.



Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

The table reflects each landfill's reported capacity as of January 1, 2020, volume of waste disposed in 2019, five-year average of volume disposed, and projected life expectancy based on the current five-year average.

### Region 7: Southern Illinois

Landfill	Capacity (yd <sup>3</sup> )	Disposal Volume (yd <sup>3</sup> )	Average Disposal (5yr)	Life Expectancy (yrs)
Perry Ridge Landfill Inc.	11,449,735	176,693	183,627	62.4
Southern Illinois Regional Landfill Inc.	38,498,490	1,240,696	1,039,278	37.0
Sumner Landfill Inc.	5,438,468	233,438	211,860	25.7
Wayne County Landfill Inc.	4,218,856	5,335	5,148	819.6
West End Disposal Facility	22,475,946	291,433	262,153	85.7
<b>Total</b>	<b>82,081,495</b>	<b>1,947,595</b>	<b>1,702,066</b>	<b>48.2</b>