



SOLID WASTE DIVISION

2016 Waste Levels in Line With 10-Year Average

At year's end, total waste disposed at the Middlesex County Landfill in 2016 was 525,423 tons. This represents a roughly 35,000 ton decrease compared to 2015, but is well within the 10-year average of 533,395 tons.

Waste levels remained steady for much of the decade, preceded by a high of 722,080 in 2006. The post-2006 drop is attributed

to the Great Recession as well as increased recycling programs.

Beyond the post-2006 drop, the steadiness of waste levels can be attributed to the MCUA's contract process in which haulers enter into three-year rates with specific tonnage amounts. The MCUA expects waste for 2017 to remain level with a possible minor decrease in ID13 bulky or construction waste.

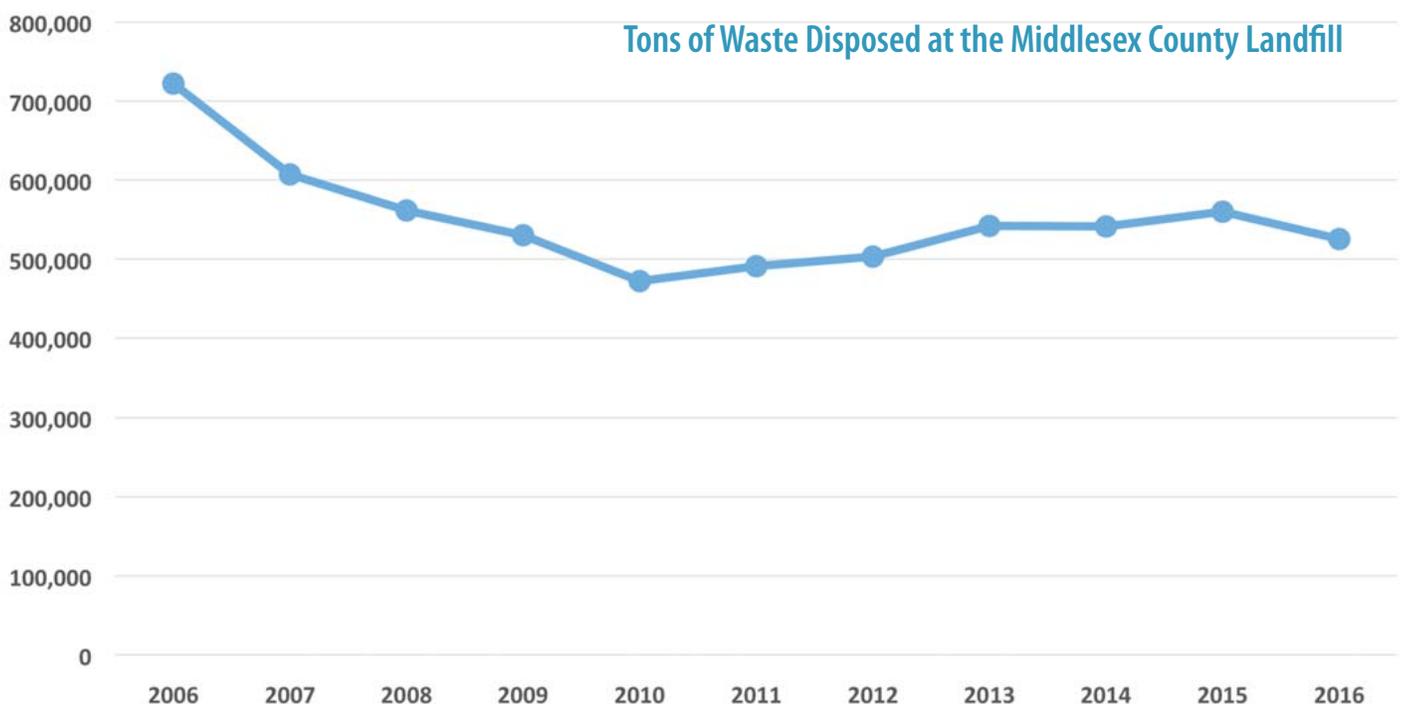
Solid Waste Division

December 2016 Tonnage Figures

	Monthly Tons	Cumulative Tons
2016	40,570	525,423
2015	48,750	559,977

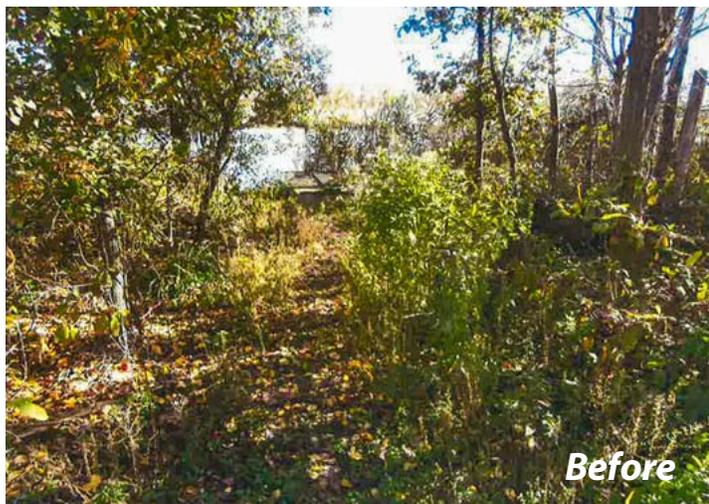
An average of 221 trucks hauled an average of 1,560 tons of waste to the Landfill facility each day.

In the ten years from 2007 through 2016, the MCUA accepted just over 5.3 million tons of waste.



WASTEWATER DIVISION

Clean-Up Efforts at Various Easement Sites Ongoing

*Before**After**Before**After*

Wastewater Division December 2016 Statistics

- Average Influent flow – 98.65 mgd
- Average Effluent TSS – 20 mg/l
- Average Effluent BOD – 18 mg/l
- Biosolids production – 14,160 wet tons, a 15.6% increase over the five-year average. The entire amount was processed through the dryers.

*Rainfall for the month was 3.12 inches as measured at the plant.

For the year the average flow was 94.72 mgd and we recorded a total rainfall of 34.12 inches. This is the fifth year in a row that total rainfall has been less than average for New Jersey. The average effluent BOD for the year was 16 mg/l and the yearly average effluent TSS was 24 mg/l. This is the 22nd consecutive year in which both yearly average results have been below the permit levels and the 32nd consecutive year in which the yearly BOD average has been below 30 mg/l. Average monthly flows for the year ranged from 138.43 mgd in March to 82.04 mgd in September.

Top Row:
Before and after of the South River siphon inlet.

Bottom Row:
Before and after of the Landing Lane siphon outlet chamber.

As part of their ongoing efforts to not only preserve and protect the region's natural environment, but also maintain and safeguard infrastructure, the MCUA staff regularly perform clean-ups of the easements throughout the county and region that surround MCUA infrastructure, namely meter chambers and outlets.

Clear and clean paths to these MCUA sites give professionals easier access, while also improving an area's aesthetic for neighbors and passers-by alike.