


Memorandum



Date: September 28, 2023

To: Jerry Bell, AICP, Assistant Director for Planning
Department of Regulatory and Economic Resources

From: Olga Espinosa-Anderson, Interim Director
Department of Solid Waste Management 

Subject: Solid Waste Disposal Concurrency Determination

The Department of Solid Waste Management (DSWM) determines compliance with the County's adopted level-of-service (LOS) standard for solid waste disposal based on the ability of the County Solid Waste Management System (System) to accommodate projected waste flows for concurrency. Only those System facilities that are constructed or subject to a binding executed contract for construction are included in this determination, in accordance with Chapter 33G of the Miami-Dade County Code, Service Concurrency Management Program.

The attached spreadsheet presents the projected utilization of the System's remaining disposal capacity over a period of twelve (12) years. The projection is based on the demand generated by those parties (municipalities and private haulers) who have committed their waste to the System through interlocal agreements or long-term contracts and anticipated non-committed waste flows, in accordance with the LOS standard. The analysis shows adequate System capacity to meet the LOS through Fiscal Year 2035 or seven (7) years beyond the minimum five (5) year standard. This determination is contingent upon the continued ability of the County and its disposal service contract providers to obtain and renew disposal facility operating permits from the applicable federal, state and local regulatory agencies. Therefore, please be advised that the current LOS is adequate to issue development orders. This determination shall remain in effect for a period of one (1) fiscal year (ending September 30, 2024), at which time a new determination will be issued. If, however, a significant event occurs that substantially alters the projection, the Department will issue an updated determination.

Attachment

c: Danny Diaz, Assistant Director, Administration
Achaya Kelapanda, Deputy Director, Operation

Department of Solid Waste Management (DSWM)
Disposal Facility Available Capacity
From Fiscal Year 2023-24 Through Fiscal Year 2034-35

| FISCAL YEAR PERIOD | WASTE PROJECTION NET TONS DISPOSED (1) | RESOURCES RECOVERY ASHFILL (2) | | | SOUTH DADE LANDFILL (3) | | | NORTH DADE LANDFILL (4) | | | WMI (5) & WC (7) | | TO BE INCINERATED AND RECYCLED | TOTAL | | | TOTAL | | |
|--------------------------------|--|--------------------------------|------------|-----------------|-------------------------|------------|-----------------|-------------------------|------------|-----------------|-------------------|------------------------|--------------------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|
| | | Beginning Capacity (6) | Landfilled | Ending Capacity | Beginning Capacity (6) | Landfilled | Ending Capacity | Beginning Capacity (6) | Landfilled | Ending Capacity | CONTRACT DISPOSAL | TOTAL TO BE LANDFILLED | | CONTRACT CAPACITY | CONTRACT CAPACITY | CONTRACT CAPACITY | UNUSED CAPACITY | UNUSED CAPACITY | UNUSED CAPACITY |
| OCT. 1, 2023 TO SEPT. 30, 2024 | 2,063,000 | 1,119,847 | 0 | 1,119,847 | 3,311,201 | 748,300 | 2,562,901 | 896,293 | 129,500 | 766,793 | 1,165,200 | 2,063,000 | 0 | 2,250,000 | 800,000 | 3,050,000 | 1,064,800 | 800,000 | 1,864,800 |
| OCT. 1, 2024 TO SEPT. 30, 2025 | 2,083,600 | 1,119,847 | 0 | 1,119,847 | 2,562,901 | 748,300 | 1,814,601 | 766,793 | 129,500 | 637,293 | 1,205,600 | 2,083,600 | 0 | 2,250,000 | 800,000 | 3,050,000 | 1,044,200 | 800,000 | 1,844,200 |
| OCT. 1, 2025 TO SEPT. 30, 2026 | 2,104,400 | 1,119,847 | 0 | 1,119,847 | 1,814,601 | 748,300 | 1,066,301 | 637,293 | 129,500 | 507,793 | 1,226,600 | 2,104,400 | 0 | 2,250,000 | 800,000 | 3,050,000 | 1,023,400 | 800,000 | 1,823,400 |
| OCT. 1, 2026 TO SEPT. 30, 2027 | 2,125,400 | 1,119,847 | 0 | 1,119,847 | 1,066,301 | 748,300 | 318,001 | 507,793 | 129,500 | 378,293 | 1,247,600 | 2,125,400 | 0 | 2,250,000 | 800,000 | 3,050,000 | 1,002,400 | 800,000 | 1,802,400 |
| OCT. 1, 2027 TO SEPT. 30, 2028 | 2,146,700 | 1,119,847 | 0 | 1,119,847 | 318,001 | 318,001 | 0 | 378,293 | 129,500 | 248,793 | 1,699,199 | 2,146,700 | 0 | 2,250,000 | 800,000 | 3,050,000 | 550,801 | 800,000 | 1,350,801 |
| OCT. 1, 2028 TO SEPT. 30, 2029 | 2,168,200 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 248,793 | 129,500 | 119,293 | 2,038,700 | 2,168,200 | 0 | 2,250,000 | 800,000 | 3,050,000 | 211,300 | 800,000 | 1,011,300 |
| OCT. 1, 2029 TO SEPT. 30, 2030 | 2,189,900 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 119,293 | 119,293 | 0 | 2,070,607 | 2,189,900 | 0 | 2,250,000 | 800,000 | 3,050,000 | 179,393 | 800,000 | 979,393 |
| OCT. 1, 2030 TO SEPT. 30, 2031 | 2,211,800 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 0 | 0 | 0 | 2,211,800 | 2,211,800 | 0 | 2,250,000 | 800,000 | 3,050,000 | 38,200 | 800,000 | 838,200 |
| OCT. 1, 2031 TO SEPT. 30, 2032 | 2,233,900 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 0 | 0 | 0 | 2,233,900 | 2,233,900 | 0 | 2,250,000 | 800,000 | 3,050,000 | 16,100 | 800,000 | 816,100 |
| OCT. 1, 2032 TO SEPT. 30, 2033 | 2,256,200 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 0 | 0 | 0 | 2,256,200 | 2,256,200 | 0 | 2,250,000 | 800,000 | 3,050,000 | 0 | 793,800 | 793,800 |
| OCT. 1, 2033 TO SEPT. 30, 2034 | 2,278,800 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 0 | 0 | 0 | 2,278,800 | 2,278,800 | 0 | 2,250,000 | 800,000 | 3,050,000 | 0 | 771,200 | 771,200 |
| OCT. 1, 2034 TO SEPT. 30, 2035 | 2,301,600 | 1,119,847 | 0 | 1,119,847 | 0 | 0 | 0 | 0 | 0 | 0 | 2,301,600 | 2,301,600 | 0 | 2,250,000 | 800,000 | 3,050,000 | 0 | 748,400 | 748,400 |
| REMAINING YEARS | | | | 12 | | | 4 | | | 6 | | 12 | | | | | | | |

| | |
|---|----------------|
| ANNUAL DISPOSAL - DSWM LANDFILLS (in tons) | |
| RESOURCES RECOVERY ASHFILL | 0 |
| SOUTH DADE LANDFILL | 748,300 |
| NORTH DADE LANDFILL | 129,500 |
| TOTAL TO BE LANDFILLED | 877,800 |

- (1) Net Tons Disposed (Budget Division Base Budget for FY2023-24 with an annual 1% growth rate).
- (2) Ashfill capacity is for Cell 20. When Cells 20 is depleted, Resources Recovery Plant Ash will go to WMI; RRF is inoperable due to fire February 12, 2023.
- (3) South Dade includes Cells 4 and 5. When South Dade Landfill capacity is depleted, trash goes to WMI & WC.
- (4) North Dade capacity represents buildout of the facility. When North Dade Landfill capacity is depleted, trash goes to WMI.
- (5) Maximum Contractual Tonnage per year for WMI is 2.25 million tons, 500K tons Medley Landfill and Okeechobee County Landfill and 1.75 million to Medley Landfill. The initial term of the WMI disposal contract ends September 30, 2035 and the contract contains two additional 5-year renewal terms. Total was 1.25 million. Contract amended in August 2023 for additional 1 million tons.
- (6) All beginning capacity figures are derived from the capacity of Miami-Dade County Landfills (Landfill Capacity Report) with actual tons for July 2023 through August 2023, and projected
- (7) Maximum contractual tonnage to Waste Connections (WC) is 800,000 at the JED Landfill in St. Cloud, FL. The initial term of the WC contract ends October 1, 2025 and the contract contains two additional 5-year renewal terms. Total was 500K. Contract amended in August 2023 for additional 300K.