



Application No.: FLUM-2015-015

Appendix "G"

Solid Waste

Arc/Treo, LLC

Amending the Future Land Use Map (FLUM) within the Town's Comprehensive Plan from Mixed-Use to Medium Density.



Public Works and Waste Management Department
Stephen P. Clark Center
111 NW 1st Street 16th Floor
Miami, FL 33128
T 305-375-2960 F 305-375-3070
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January 19, 2016

Ms. Mercy Arce
Land Use Planner
Holland & Knight LLP
701 Brickell Avenue, Suite 3300
Miami, Florida 33131

Re: ARC/Treo 216, LLC - Application to Amend the Growth Management Plan
Future Land Use Map in the Town of Cutler Bay, Florida.

Dear Ms. Arce:

In response to your e-mail dated January 7, 2016 regarding the ARC/Treo 216, LLC - Application to Amend the Growth Management Plan Future Land Use Map for the Town of Cutler Bay, the Miami-Dade County Public Works and Waste Management Department (PWWM) can provide you with the following information:

The PWWM does not measure waste disposal capacity utilization on a case-by-case basis. Instead, the adequacy of County disposal capacity is evaluated system-wide, based on historical contracted and anticipated non-contracted waste flows. Accordingly, we are not able to make specific capacity commitments to facilities, developments, or areas.

Enclosed please find the PWWM's FY 2015-16 concurrency determination, issued on September 24, 2015, which is filed with the Regulatory and Economic Resources Department on an annual basis. The determination shows sufficient system-wide waste disposal capacity to meet the County's adopted 5-year level-of-service standard.

Should you require additional information, please do not hesitate to contact Stacey McDuffie, Manager, Intergovernmental and External Affairs Division, at 305-375-1354.

Sincerely,

A handwritten signature in blue ink that reads "Paul Mauriello".

Paul Mauriello, Deputy Director, Waste Operations
Public Works and Waste Management Department

Enclosure

c: Kathryn Lyon, AICP, CFM, Planning and Zoning Director, Town of Cutler Bay
Aimee Cabrera, Division Director, Intergovernmental and External Affairs, PWWM
Stacey McDuffie, Manager, Intergovernmental and External Affairs, PWWM

Memorandum



Date: September 24, 2015

To: Mark R. Woener, AICP, Assistant Director for Planning
Department of Regulatory and Economic Resources

From: Paul Mauriello, AICP, Deputy Director, Waste Operations
Public Works and Waste Management Department

Subject: Solid Waste Disposal Concurrency Determination

A handwritten signature in cursive script, appearing to read "Paul Mauriello".

The Public Works and Waste Management Department (PWWM) 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 fifteen (15) 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 2029-30 or ten (10) 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, 2016), 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: Alina T. Hudak, Deputy Mayor and Director, PWWM
Aneisha Daniel, Assistant Director, Administration
Asok Ganguli, Assistant Director, Technical Services
Michael Fernandez, Assistant Director, Disposal Operations
Aimee Cabrera, Chief, Intergovernmental & External Affairs

Public Works and Waste Management Department (PWWM)
 Disposal Facility Available Capacity
 From Fiscal Year 2015-16 Through Fiscal Year 2029-30

FISCAL YEAR PERIOD	WASTE PROJECTION NET TONS DISPOSED	RESOURCES RECOVERY ASHFILL *			SOUTH DADE LANDFILL **			NORTH DADE LANDFILL ***			WMI ****	TOTAL TO BE LANDFILLED
		Beginning Capacity	Landfilled	Ending Capacity	Beginning Capacity	Landfilled	Ending Capacity	Beginning Capacity	Landfilled	Ending Capacity		
OCT. 1, 2015 TO SEPT.	1,600,000	2,460,854	168,000	2,292,854	5,761,827	381,400	5,380,427	1,555,908	185,400	1,370,508	250,000	984,800
OCT. 1, 2016 TO SEPT.	1,600,000	2,292,854	168,000	2,124,854	5,380,427	381,400	4,999,027	1,370,508	185,400	1,185,108	250,000	984,800
OCT. 1, 2017 TO SEPT.	1,600,000	2,124,854	168,000	1,956,854	4,999,027	381,400	4,617,627	1,185,108	185,400	999,708	250,000	984,800
OCT. 1, 2018 TO SEPT.	1,600,000	1,956,854	168,000	1,788,854	4,617,627	381,400	4,236,227	999,708	185,400	814,308	250,000	984,800
OCT. 1, 2019 TO SEPT.	1,600,000	1,788,854	168,000	1,620,854	4,236,227	381,400	3,854,827	814,308	185,400	628,908	250,000	984,800
OCT. 1, 2020 TO SEPT.	1,600,000	1,620,854	168,000	1,452,854	3,854,827	381,400	3,473,427	628,908	185,400	443,508	250,000	984,800
OCT. 1, 2021 TO SEPT.	1,600,000	1,452,854	168,000	1,284,854	3,473,427	381,400	3,092,027	443,508	185,400	258,108	250,000	984,800
OCT. 1, 2022 TO SEPT.	1,600,000	1,284,854	168,000	1,116,854	3,092,027	381,400	2,710,627	258,108	185,400	72,708	250,000	984,800
OCT. 1, 2023 TO SEPT.	1,600,000	1,116,854	168,000	948,854	2,710,627	381,400	2,329,227	72,708	72,708	0	362,692	984,800
OCT. 1, 2024 TO SEPT.	1,600,000	948,854	168,000	780,854	2,329,227	381,400	1,947,827	0	0	0	435,400	984,800
OCT. 1, 2025 TO SEPT.	1,600,000	780,854	168,000	612,854	1,947,827	381,400	1,566,427	0	0	0	435,400	984,800
OCT. 1, 2026 TO SEPT.	1,600,000	612,854	168,000	444,854	1,566,427	381,400	1,185,027	0	0	0	435,400	984,800
OCT. 1, 2027 TO SEPT.	1,600,000	444,854	168,000	276,854	1,185,027	381,400	803,627	0	0	0	435,400	984,800
OCT. 1, 2028 TO SEPT.	1,600,000	276,854	168,000	108,854	803,627	381,400	422,227	0	0	0	435,400	984,800
OCT. 1, 2029 TO SEPT.	1,600,000	108,854	108,854	0	422,227	381,400	40,827	0	0	0	494,546	984,800
REMAINING YEARS				14			15			8		15

ANNUAL DISPOSAL (in tons)	
RESOURCES RECOVERY ASHFILL	168,000
SOUTH DADE LANDFILL	381,400
NORTH DADE LANDFILL	185,400
WMI CONTRACT	250,000
TOTAL TO BE LANDFILLED	<u>984,800</u>

* Ashfill capacity is for Cell 20.
 ** South Dade includes Cells 4 and 5. Assumes unders from Resources Recovery consumes capacity whether or not it is used as cover.
 *** North Dade capacity represents buildout of the facility. When North Dade Landfill capacity is depleted, trash goes to WMI.
 **** Maximum Contractual Tonnage per year from WMI is 1.25 million tons, 500,000 tons to the Medley Landfill, 500,000 to Okeechobee County Landfill and 250,000 tons to the Monarch Hill Landfill in Broward County. The initial term of the WMI disposal contract ends September 30, 2035 and the contract contains two 5-year renewal terms.
 ***** All beginning capacity figures are derived from the Capacity of Miami-Dade County Landfills draft report prepared by Arcadis based on the actual July 2015, survey with actual tons for July 2015 through August 2015, and projected tons for September 2015.