



Miami-Dade Water and Sewer Department

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miamidade.gov

ADA Coordination

Agenda Coordination

Animal Services

Art in Public Places

Audit and Management Services

Aviation

Building

Building Code Compliance

Business Development

Capital Improvements Construction Coordination

Citizens' Independent Transportation Trust

Commission on Ethics and Public Trust

Communications

Community Action Agency

Community & Economic Development

Community Relations

Consumer Services

Corrections & Rehabilitation

Cultural Affairs

Elections

Emergency Management

Employee Relations

Empowerment Trust

Enterprise Technology Services

Environmental Resources Management

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Finance

Fire Rescue

General Services Administration

Historic Preservation

Homeless Trust

Housing Agency

Housing Finance Authority

Human Services

Independent Review Panel

International Trade Consortium

Juvenile Assessment Center

Medical Examiner

Metro-Miami Action Plan

Metropolitan Planning Organization

Park and Recreation

Planning and Zoning

Police

Procurement Management

Property Appraiser

Public Library System

Public Works

Safe Neighborhood Parks

Seaport

Solid Waste Management

Strategic Business Management

Team Metro

Transit

Task Force on Urban Economic Revitalization

Vizcaya Museum And Gardens

Water & Sewer

March 13, 2008

Certified Mail 7001 0360 0001 6783 5580

Return Receipt Requested

Mr. Curtis Thompson
Water Use Compliance
South Florida Water Management District
P. O. Box 24680
West Palm Beach, FL 33416-4680

Subject: Water Use Permit No. 13-00017-W, Miami-Dade County

Dear Mr. Thompson:

Attached is a copy of the tabulation per exhibit 25 as described in limiting condition 46 of the referenced permit used to determine the "unaccounted for" distribution system losses for calendar year 2007; as requested at the March 4, 2008 meeting.

Should you have any questions, please call me at (786) 552-8112 or Mr. Richard M. O'Rourke, at (786) 552-8123.

Sincerely,

Rafael A. Terrero, P.E., BCEE, M.ASCE
Assistant Director – Water System Operations

RAT/ro

c: Carlos Hernandez, DERM

Attachment: Miami-Dade Water & Sewer Department Water Accounting

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L08066SFWMD-UAW

Water Use Permit No. 13-0017-W, Water Accounting

bc: J. Renfrow
J. Ruiz
L. Yoder
B. Goldenberg
L. Aguiar
D. Bridges
T. Segars
M. Balbin
S. Negahban
J. Epaves
E. Turner
A. Baldwin
R. O'Rourke
A. Sanchez

**MIAMI-DADE WATER AND SEWER DEPARTMENT
WATER LOSS ACCOUNTING**

ESTIMATED ACCOUNTED FOR WATER
(in thousands of gallons)

FISCAL YEAR BY QUARTERS	1 WATER PRODUCED & PURCHASED	2 WATER SOLD	UN-ACCOUNT WATER			ADJUSTMENTS									UNACCOUNTED FOR DISTRIBUTION LOSSES		
			3 TOTAL BEFORE ADJUSTMENTS (1-2)	4 PERCENT (3/1)	5 ANNUAL PERCENT (g)	6 (a) NON-CONSUME USAGE	7 FIRE DEPT.	8 FLUSHING		9 FLUSHING	11 DISTRIBUTION		12 UNDER - REGISTRATION OF METERS (f)	13 (b) WASAD FACILITIES NOT INC. IN RETAIL	14 TOTAL (SUM 5..13)	15 TOTAL AFTER ADJUSTMENT (3 - 14)	ANNUAL PERCENT (h)
								(d) CONTRACTS	DONATIONS		10 LEAK DETECTION	CLEANING GRAVITY MAINS					
OCT-DEC 2004	31,550,891	24,354,774	7,196,117	22.81	22.04	10,722 (e)	806		4,055	395,995	2,837,354	2,165	1,095,965	14,465	4,361,527	2,834,590	7.68
JAN-MAR 2005	31,340,809	24,210,336	7,130,473	22.75	22.29	10,722 (e)	1,081		4,763	185,627	2,199,297	1,630	1,089,465	14,843	3,507,428	3,623,045	8.98
APR-JUN 2005	31,396,894	24,823,572	6,573,322	20.94	21.27	10,722 (e)	562		2,285	185,037	2,948,639	1,542	1,117,061	6,330	4,272,179	2,301,143	8.41
JUL-SEP 2005	31,500,243	24,928,798	6,571,445	20.86	21.84	10,722 (e)	824		4,838	122,637	1,841,973	1,846	1,121,796	890	3,105,527	3,465,918	9.72
OCT-DEC 2005	31,298,438	24,955,824	6,342,614	20.26	21.20	10,722 (e)	848			82,848	3,693,341	1,848	1,123,012	745	4,913,364	1,429,250	8.62
JAN-MAR 2006	31,219,533	24,590,271	6,629,262	21.23	20.82	10,722 (e)	116		10,801	104,098	3,314,020	1,477	1,106,562	711	4,548,507	2,080,755	7.40
APR-JUN 2006	31,995,722	25,401,400	6,594,322	20.61	20.74	10,722 (e)	113		2,754	100,464	3,225,881	7,167	1,143,063	752	4,490,916	2,103,406	7.21
JUL-SEP 2006	31,123,063	24,542,979	6,580,084	21.14	20.81	10,722 (e)	130		3,641	283,186	2,988,075	5,078	1,104,434	821	4,396,087	2,183,997	6.21
OCT-DEC 2006	30,911,230	24,299,396	6,611,834	21.39	21.09	10,722 (e)	N/A		7,090	158,386	2,880,232	1,943	1,093,473	689	4,152,535	2,459,299	7.05
JAN-MAR 2007	30,378,379	23,565,522	6,812,857	22.43	21.38	10,722 (e)	N/A		262,840	125,285	2,494,443	2,380	1,060,448	725	3,956,843	2,856,014	7.72
APR-JUN 2007	28,406,692	22,988,613	5,418,079	19.07	21.04	10,722 (e)	N/A		2,937	72,294	3,760,839	1,122	1,034,488	965	4,883,367	534,712	6.65
JUL-SEP 2007	29,395,395	22,329,324	7,066,071	24.04	21.76	10,722 (e)	N/A		3,925	41,137	4,473,821	1,495	1,004,820	816	5,536,736	1,529,335	6.20
OCT-DEC 2007	28,421,944	22,313,944	6,108,000	21.49	21.79	10,722 (e)	N/A		6,359	42,843	2,841,221	2,216	1,004,127	633	3,908,121	2,199,879	6.11

(a) Miami-Dade, City of Coral Gables and City of Miami; includes Key Biscayne

(b) Lejeune Building, Westwood Lake and Distribution

(c) Revised on 8/26/99 to include Non - Consumer Usage Reported by Collections

(d) Starting in October 1998 most of the contract work is PSIP, therefore, not much water was used for flushing

(e) Average from fiscal year (1998 - 1999) to (2000 - 2001)

(f) A 4.5 percent under-registration is used, as conservative figure, en lieu of a 6 percent under-registration which is the 4-year mid-point of the overall average water meter accuracy of 88 percent at the 8-year replacement interval was determined in the Brown and Caldwell, Water Meter Periodic Testing (PT) Program Evaluation, November 1995, because the study did not evaluate meters less than 8 years in service. This percentage will be revised as additional evaluations are performed.

(g) Sum 4Qtrs Col 3/Sum 4Qtrs Col 1

(h) Sum 4Qtrs Col 15/Sum 4Qtrs Col 1

Coral Gables Fire Department Only, City of Miami is presently unable to provide due to an operating system and programing environment change.

Miami-Dade Fire Resue has not provided use.

Values from this column are now found in Distribution Flushing.

Values were lost while computer system was being updated.

N/A Not available