

ORIGINAL

LAW OFFICES
ROSE, SUNDBSTROM & BENTLEY, LLP
2548 BLAIRSTONE PINES DRIVE
TALLAHASSEE, FLORIDA 32301

FREDERICK L. ASCHAUER, JR.
CHRIS H. BENTLEY, P.A.
ROBERT C. BRANNAN
DAVID F. CHESTER
F. MARSHALL DETERDING
JOHN R. JENKINS, P.A.
STEVEN T. MINDLIN, P.A.
CHASITY H. O'STEEN
DAREN L. SHIPPY
WILLIAM E. SUNDBSTROM, P.A.
DIANE D. TREMOR, P.A.
JOHN L. WHARTON
WAYNE L. SCHIEFELBEIN, OF COUNSEL
ROBERT M. C. ROSE (1924-2006)

(850) 877-6555
FAX (850) 656-4029
www.rsbattoorneys.com

CENTRAL FLORIDA OFFICE
SANLANDO CENTER
2180 W. STATE ROAD 434, SUITE 2118
LONGWOOD, FLORIDA 32779
(407) 830-6331
FAX (407) 830-8522

REPLY TO CENTRAL FLORIDA OFFICE

MARTIN S. FRIEDMAN, P.A.
VALERIE L. LORD
BRIAN J. STREET

November 9, 2006

HAND DELIVERY

RECEIVED-FPSC
06 NOV -9 PM 12:13
COMMISSION
CLERK

Ms. Blanca Bayo
Commission Clerk & Administrative Services Director
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399

RE: Docket No.: 060254-SU; Mid-County Services, Inc.'s Application for Rate Increase in
Volusia County, Florida
Our File No.: 30057.109

Dear Ms. Bayo:

Enclosed for filing in the above-referenced docket is the response of Mid-County
Services, Inc. (*Utility*) to Staff's third data request dated October 9, 2006:

CMP 1. What is the total number of lots in the service area? (Number of built houses +
COM vacant lots)

CTR RESPONSE: 1,940 lots, of which 1,873 are improved. The difference is 67. The system
ECR is essentially 100% used and useful because the empty lots are scattered
GCL throughout the collection system. There are no streets with collection system
OPC facilities that are not providing service to existing customers.

RCA 2. The following items relate to the pro forma plant additions requested on Schedule
SCR A-3 of the MFRs. For each pro forma plant item, please provide the following:

SGA (a) A copy of the "Capital Project Request" sheet from the Integrated Solution
SEC 1 System.

OTH

DOCUMENT NUMBER-DATE

10349 NOV-9 g

FPSC-COMMISSION CLERK

Ms. Blanca Bayo
Commission Clerk & Administrative Services Director
Florida Public Service Commission
November 9, 2006
Page 2

RESPONSE: Please refer to Exhibit 2(a) attached hereto.

- (b) All retirement entries, as well as the methodology and calculations used to calculate the retirement of any items that are replacements for existing plant.

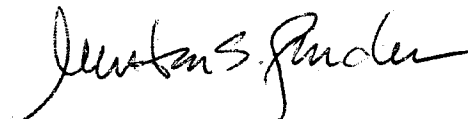
RESPONSE: The retirement entry was calculated using the acquisition year of 1985. The Lift Station is retired under the Electric Pumping Equipment category. The calculation uses the Handy Witman 1985-cost index/ 2005 cost index ($282/611 = 46\%$). Based on review, the Utility determined that the retirement amount should be \$8,538 [$18,500 * (282/611)$].

3. Within the last three years, has the utility considered or discussed whether the capacity of the wastewater treatment plant will need to be increased during the next five years? If so, please provide the utility's conclusions and the basis for those conclusions.

RESPONSE: Every five years, the Utility includes an updated capacity analysis report (CAR) with its permit renewal package. The CAR shows the historical flow data and a projection of future flow based on customer growth trends, remaining undeveloped property in the service area and other data. Because the plant's average daily flow has been flat or trended downward over the last four years, there is no indication that the plant needs to be expanded any time soon. Therefore, there is no reason to think that the service availability charges need to be modified.

Should you have any questions regarding this filing, please do not hesitate to give me a call.

Very truly yours,



MARTIN S. FRIEDMAN
VALERIE L. LORD
For the Firm

VLL/tlc
Enclosures

Ms. Blanca Bayo
Commission Clerk & Administrative Services Director
Florida Public Service Commission
November 9, 2006
Page 3

cc: Rosanne Gervasi, Esquire, Office of General Counsel (w/o enc - via hand delivery)
Mr. Troy Rendell, Division of Economic Regulation (w/o enc - via hand delivery)
Ms. Mahnaz Massoudi, Division of Economic Regulation (w/o enc- via hand delivery)
Mr. Jay Revell, Division of Economic Regulation (w/o enclosures - via hand delivery)
Steven M. Lubertozi, Chief Regulatory Officer (w/enclosures)
Kirsten Weeks, CPA (w/o enclosures)
John Hoy, Regional Vice President for Operations (w/o enclosures)
Patrick C. Flynn, Regional Director (w/enclosures)
Mr. Frank Seidman (w/o enclosures)
Stephen Reilly, Esquire, Office of Public Counsel (w/enclosures)

M:\1 ALTAMONTE\UTILITIES INC\MID-COUNTY\(.109) 2005 RATE CASE\PSC Clerk 10 (Data Request 3).wpd

APPROVED



Project Request

Florida FL C088 0645 4002
Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 02/23/06

Related to ID #:

Project Name: **580 Lift Station Upgrade**

Company: **Mid-County Services, Inc.**

Expenses to Start: **04/01/2006**

System: **Mid-County Services, Inc.**

Expenses to End: **09/15/2006**

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety



Estimated Costs by Component

WO#: 088-0645-116-06-02

PO#: _____ GL#: _____

Component(s)	Component Description	Original Estimate
20002	Capitalized Time	\$885.00
20003	IDC	\$279.00
20612	Labor and Materials	\$16,500.00
20615	Equipment Rental	\$1,000.00
	Contingency	\$1,000.00

Asset Designation

New Asset(s)
 Upgrading Asset(s)
 Repairing Asset(s)
 Replacing Asset(s)

If replacing existing equipment, when (year) was the original asset placed in service?

Cap Plan Estimate: \$18,500.00 **Estimate Totals:** \$19,664.00

Capitalized Time Estimate: 30 Hours Total # of Customers: 2,069 # of Affected Customers: 2,069 Cost per Customer: \$9.50

Annual Offset In Expenses: _____



Signature Authority & Approvals

Submitted by: **Richard W. Retz** Title: Regional Manager Date: 03/08/06

\$5,000 - \$25,000 **Patrick Flynn** Regional Director Date: 03/09/06

\$25,001 - \$75,000 _____ Regional VP of Operations Date: _____

\$75,001 - \$100,000 _____ VP of Operations Date: _____

Over \$100,000 _____ Chief Executive Officer Date: _____

APPROVED



Project Request

Florida FL C088 0645 4002
Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 02/23/06

Related to ID #:

Project Name: 580 Lift Station Upgrade

Company: Mid-County Services, Inc.

Expenses to Start: 04/01/2006

System: Mid-County Services, Inc.

Expenses to End: 09/15/2006



Attachment(s) - Ref. # 4002

Fax QuickMail / Email
 Interoffice Mail Hand Delivery

Project Description
List of System Projects

Project Description

See Notes Screen for add'l info

Estimate Total: \$19,664.00

Upgrade of the 580 MHP lift station located on Belcher Road north of Main St. The 580 lift station services the south east section of the Mid County sewer collection system. The project includes the installation of two (2) 5 hp Flygt pumps with "N" impellers, pump bases, stainless steel rail system, emergency by-pass piping, above ground manifold with 4" concrete pad and relocation of the control panel.

Justification & Benefits

This project is necessary due to the deteriorated condition of the existing equipment. The existing pumps are regularly removed to be deragged and repaired. The riser pipes in the wet well are leaking, which makes the pump operation very energy inefficient. In order to remove the pumps from the wet well, the entire piping system must be dismantled which is very time consuming and inefficient. The new system will provide a bypass pumping option, labor friendly pump removal system and a stanard isolation and check valve configuration for each pump that will enable staff to perform maintenance on one (1) pump will the remaining pump is in service

Alternatives

1. RETAIN EXISTING SYSTEM: This alternative will continue to result in expensive and labor intensive repair and maintenance. Due to the style of the system it provide more opportunities for accident and or injury when maintenance is required. Power is wasted by the continued use of worn pumps and piping
2. REPLACE PUMPS AND STAND PIPES ONLY: This style of lift station construction is antiquated and does not comply with our standard specifications for lift station construction.

Timing of Project

Project will begin 4 weeks after work order approval

System Information

- Acquisition Date
- Facility Update

Mid-County Services, Inc. is a sewer only system located in Pinellas County. The WWTP site is situated in the middle of the Doral MHP between US 19 and Belcher Road. The oldest sections of the wastewater collection system and treatment plant date to the 1970's. The wastewater plant has a capacity of 0.900 mgd and a 12-month average flow of 0.665 mgd (as of 12/31/05) or 74%. This is a decrease of 0.058 mgd AADF since December 2004 due to

APPROVED



Project Request

Florida FL C088 0645 4002
Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 02/23/06

Related to ID #:

Project Name: **580 Lift Station Upgrade**

Company: **Mid-County Services, Inc.**

Expenses to Start: **04/01/2006**

System: **Mid-County Services, Inc.**

Expenses to End: **09/15/2006**

ongoing collection system improvements. Maximum daily flow over the last 12 months was 0.990 mgd. There were 10 days in June, July or August when flow exceeded plant capacity due to wet weather. Additional I&I studies are planned for 2006 to identify the location and volume of groundwater infiltration.

The majority of the capital projects completed in Mid-County since 2000 involved either maintenance activities at the wastewater plant or improvements to the collection system. Primarily, collection system improvements addressed I&I problems, some of which were caused by pipe failures (commonly vitrious clay pipe), improper construction methods, and poor design.

● Anticipated Growth in Area

Customer growth is occurring from redevelopment of Travel Towne RV Resort into S/F and M/F homes, redevelopment of Skylark MHP into a Kohl's Department store and 4 out parcels, and redevelopment of smaller parcels into light commercial along the US 19 and SR 580 corridors. Approximately 20% of the service area contains either existing homes on septic tanks or undeveloped land.

Redevelopment of mobile home and RV parks is expected to continue. There are eight remaining MHP's in the service area: Doral, Frontier Village, Serendipity, Regency Heights, Silk Oak, Bellehaven, Countryside Estates, and 580 MHP.

● Rate Case Information

Last Order Date: 09/99

Order Number: PSC-99-1912-FOF-SU

Type: S

Docket: 971065-SU

Test Year: 12/31/96

● List of Other Projects for System - by Project Status

Sub	Status	Proj ID	Project Name	Date	Estimate	Spent
0645	Fully Approved	4436	Estancia Blvd Sanitary Sewer Repairs	09/20/06	\$27,000	
0645	Open	1812	Spanish Acres I/I Study	03/15/06	\$14,000	
0645	Open	1813	Spanish Pines I/I Study	03/15/06	\$18,000	
0645	Open	1814	Spanish Oaks I/I Study	03/15/06	\$28,000	
0645	Open	4452	Mid County WWTF Methanol Pump	09/16/06	\$6,000	
0645	Placed In Service	3843	Mid County Road Repair	02/15/06	\$12,400	\$11,500
0645	Placed In Service	3719	Odor Control System for Mid County	10/17/05	\$90,000	\$47,970
0645	Placed In Service	3795	Mid County South Plant Blowers Control	12/08/05	\$8,800	\$7,126
0645	Placed In Service	3498	Spanish Vista Drive&Doral MHP Manhole	01/30/06	\$50,000	\$48,800
0645	Placed In Service	4002	580 Lift Station Upgrade	04/01/06	\$18,500	\$16,500
0645	Placed In Service	4403	Safety Upgrades - Mid-County WWTF	05/01/06	\$21,480	\$21,480
0645	Closed	1186	Silk Oak Lift Station improvements	06/01/03	\$9,500	\$4,180
0645	Closed	193	Replace splitter box on South Plant	07/01/04	\$40,000	\$43,544
0645	Closed	1182	Blower replacement on North Plant	07/30/04	\$50,000	\$55,366
0645	Closed	1856	Operating Permit Renewal	10/21/04	\$10,000	\$9,550
0645	Closed	2996	Spanish Acres Sanitary Sewer and Lateral	03/01/05	\$150,000	\$141,045
0645	Closed	3346	Wilshire Blvd Manhole #4 Repair	06/06/05	\$9,600	\$10,942

APPROVED



Project Request

Florida FL C088 0645 4002
Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 02/23/06

Related to ID #:

Project Name: **580 Lift Station Upgrade**

Company: **Mid-County Services, Inc.**

Expenses to Start: 04/01/2006

System: **Mid-County Services, Inc.**

Expenses to End: 09/15/2006

0645	Closed	3484	South Plant Blower #4 Repair	06/13/05	\$5,700	\$5,687
0645	Closed	3552	Secondary Clarifier Sludge Collection	09/01/05	\$88,000	\$137,820
0645	Closed	3584	Mid-County South Plant Blowers #1&2	09/15/05	\$5,400	\$3,529
0645	Proposed	1857	Mid-County EQ Tank-new	01/01/07		
0645	Proposed	191	Mid-County Sludge Handling Equipment	07/01/07		
0645	Proposed	3696	Eng-Mid-County Sludge Handling Equipment	09/01/07		
0645	Proposed	1185	Mid-Co WWTP Conversion to Reuse	02/03/08		
0645	Proposed	1183	Mid-County Denitification Filter #4	04/03/08		
0645	Proposed	3695	Eng-Mid-County EQ Tank	07/01/08		
0645	Proposed	190	Doral MHP I&I Study	08/03/08		
0645	Proposed	2180	Spanish Acres LS Power Conversion	09/03/08		
0645	Proposed	1972	Mid-County WWTP UV Conversion	01/03/10	\$200,000	



Project Details

Florida FL C088 0645 4002
 Region State Co# Sub# ID #

Project Name: 580 Lift Station Upgrade
 Company: Mid-County Services, Inc.
 System: Mid-County Services, Inc.

Current Status: Placed In Service
 WO/PO#: 088-0645-116-06-02
 Project Mgr: Richard W. Retz

Project Description



Upgrade of the 580 MHP lift station located on Belcher Road north of Main St. The 580 lift station services the south east section of the Mid County sewer collection system. The project includes the installation of two (2) 5 hp Flygt pumps with "N" impellers, pump bases, stainless steel rail system, emergency by-pass piping, above ground manifold with 4" concrete pad and relocation of the control panel.

Location

580 Mobile Home Park, Blecher Rd. north of Main Street, Dunedin, Pinellas County, Fl.

Justification & Benefits

This project is necessary due to the deteriorated condition of the existing equipment. The existing pumps are regularly removed to be deragged and repaired. The riser pipes in the wet well are leaking, which makes the pump operation very energy inefficient. In order to remove the pumps from the wet well, the entire piping system must be dismantled which is very time consuming and inefficient. The new system will provide a bypass pumping option, labor friendly pump removal system and a stanard isolation and check valve configuration for each pump that will enable staff to perform maintenance on one (1) pump will the remaining pump is in service

Alternatives

1. RETAIN EXISTING SYSTEM: This alternative will continue to result in expensive and labor intensive repair and maintenance. Due to the style of the system it provide more opportunities for accident and or injury when maintenance is required. Power is wasted by the continued use of worn pumps and piping
2. REPLACE PUMPS AND STAND PIPES ONLY: This style of lift station construction is antiquated and does not comply with our standard specifications for lift station construction.

Project Dates

Submitted By: Richard W. Retz 03/08/06 Approvals: Reg Director --> Patrick Flynn 03/09/06
 Approved: 03/09/06



Timing Issues

Project will begin 4 weeks after work order approval

Estimated Start & Finish Dates

Start: 04/01/06 In Service: 09/01/06
 Finish: 09/15/06

Original	Changes	Amended By	Reason for Amending Project Completion Date	Date Amended
Finish: 07/01/2006		Patrick Flynn	Control panel has yet to arrive. Delivery is scheduled for week of 7/17 with installation to follow.	07/13/2006
	08/15/2006	Patrick Flynn	The wet well lid needed to be modified or refabricated to fit properly.	08/16/2006

Project Costs

*Total spent posted as of: 08/31/06

Component(s) & Description	Orig. Estimate	Amended	Spent to Date	Over/Under	% of Budget
20002 CAPITALIZED TIME	\$885.00			\$885.00	0%
20003 IDC	\$279.00		\$248.32	\$30.68	89%



Project Details

Florida FL C088 0645 4002
 Region State Co# Sub# ID #

Project Name: 580 Lift Station Upgrade
 Company: Mid-County Services, Inc.
 System: Mid-County Services, Inc.

Current Status: Placed In Service
 WO/PO#: 088-0645-116-06-02
 Project Mgr: Richard W. Retz

20612	LABOR AND MATERIALS	\$16,500.00	\$16,500.00	\$0.00	100%
20615	EQUIPMENT RENTAL	\$1,000.00		\$1,000.00	0%
	CONTINGENCY	\$1,000.00		\$1,000.00	0%
Totals:		\$19,664.00	\$16,748.32	\$2,915.68	85.17%

Project Notes





Project Details

Florida FL C088 0645 3719
 Region State Co# Sub# ID #

Project Name: Odor Control System for Mid County Barscreen & Dumpster Current Status: Placed In Service
 Company: Mid-County Services, Inc. WO/PO#: 088-0645-116-05-03
 System: Mid-County Services, Inc. Project Mgr: Richard W. Retz

Project

Description This project includes the installation of a JAWS #DHPC-748-300 CFM Bio-Filter, duct work, Nema 4X control panel, 8'x15' concrete pad, 3 hp blower and electrical wiring. This is a turnkey installation and start up. Operation and Maintenance manuals and training are included.



Location

2299 Spanish Vista Drive, Dunedin Florida 34698

Justification & Benefits

This project is necessary because of numerous ongoing odor complaints from residents to regulatory agencies. The WWTP is located in the middle of the Doral MHP. Masking agents and other procedures have been used to control odors but are unable to eliminate them enough to stop the complaints. Installation of this odor control system will satisfy FDEP's concerns and significantly reduce the number of odor complaints from the nearby residents. By reducing the intensity and frequency of odors that carry off-site, the utility will avoid an NOV and possible penalty. Some cost savings achieved from reducing the purchase of masking agents will offset the cost to install the odor control unit.

Alternatives

1. CONTINUE UTILIZING MASKING AGENTS & INCORPORATE ADDITIONAL MASKING AGENTS: This alternative is not feasible. The hydrogen sulfide levels are too high to be controlled by masking agents and other odor generators such as methyl mercaptan, dimethyl sulphide and dimethyl disphide are not effectively neutralized by masking agents.
2. INSTALL A CHEMICAL SCRUBBER ODOR CONTROL SYSTEM: A chemical odor control system would eliminate the odors. However, the cost of leasing or purchasing a chemical scrubber is substantially higher than a bio-filter. The chemical scrubber system requires extensive maintenance and chemical costs are extremely high when compared to a bio-filter.

Project Dates

Submitted By: Richard W. Retz 09/30/05 Approvals: Reg Director --> Patrick Flynn 10/08/05
 Approved: 11/17/05 Lisa Crossett 11/15/05
 Jim Camaren 11/17/05



Timing Issues

The odor control system can be installed and on line 4-8 weeks after work order approval.

Estimated Start & Finish Dates

Start: 10/17/05 In Service: 07/07/06
 Finish: 06/01/06

Original	Changes	Amended By	Reason for Amending Project Completion Date	Date Amended
Finish: 12/30/2005		Patrick Flynn	Equipment is in production after delay caused by project approval process.	01/03/2006
	03/31/2006	Richard W. Retz	Delay in Construction	02/17/2006

Project Costs

*Total spent posted as of: 08/31/06

Component(s) & Description	Orig. Estimate	Amended	Spent to Date	Over/Under	% of Budget
20002 CAPITALIZED TIME	\$1,180.00		\$491.25	\$688.75	42%
20003 IDC	\$1,361.00		\$391.41	\$969.59	29%



Project Details

Florida FL C088 0645 3719
 Region State Co# Sub# ID #

Project Name: Odor Control System for Mid County Barscreen & Dumpster

Current Status: Placed In Service

Company: Mid-County Services, Inc.

WO/PO#: 088-0645-116-05-03

System: Mid-County Services, Inc.

Project Mgr: Richard W. Reitz

20112	LABOR AND MATERIALS	\$88,000.00	\$47,970.02	\$40,029.98	55%
	CONTINGENCY	\$2,000.00		\$2,000.00	0%
Totals:		\$92,541.00	\$48,852.68	\$43,688.32	52.79%

Project Notes



APPROVED



Project Request

Florida FL C088 0645 3719
Region State Co# Sub# ID #

Priority Level: 1 - Regulatory

Project Created: 09/30/05

Related to ID #:

Project Name: **Odor Control System for Mid County Barscreen & Dumpster**

Company: Mid-County Services, Inc.

Expenses to Start: 10/17/2005

System: Mid-County Services, Inc.

Expenses to End: 06/01/2006

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety



Estimated Costs by Component

WO#: 088-0645-116-05-03

PO#:

GL#:

Component(s)	Component Description	Original Estimate	Asset Designation
20002	Capitalized Time	\$1,180.00	<input checked="" type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service?
20003	IDC	\$1,361.00	
20112	Labor and Materials	\$88,000.00	
	Contingency	\$2,000.00	

Cap Plan Estimate:

Estimate Totals:

\$92,541.00

Capitalized Time Estimate: 40 Hours

Total # of Customers: 2,069

of Affected Customers: 2,069

Cost per Customer: \$44.73

Annual Offset In Expenses:



Signature Authority & Approvals

Submitted by: Richard W. Retz

Title: Assistant Operations Mgr.

Date: 09/30/05

\$5,000 - \$25,000 Patrick Flynn

Regional Director

Date: 10/08/05

\$25,001 - \$75,000 _____

Regional VP of Operations

Date: _____

\$75,001 - \$100,000 Lisa Crossett

VP of Operations

Date: 11/15/05

Over \$100,000 Jim Camaren

Chief Executive Officer

Date: 11/17/05

APPROVED



Project Request

Florida FL C088 0645 3719
Region State Co# Sub# ID #

Priority Level: 1 - Regulatory

Project Created: 09/30/05

Related to ID #:

Project Name: **Odor Control System for Mid County Barscreen & Dumpster**

Company: **Mid-County Services, Inc.**

Expenses to Start: **10/17/2005**

System: **Mid-County Services, Inc.**

Expenses to End: **06/01/2006**



Attachment(s) - Ref. # 3719

- Fax
- QuickMail / Email
- Interoffice Mail
- Hand Delivery

Project Description
List of System Projects

Estimate(s) Required

Project Description

See Notes Screen for add'l info

Estimate Total: \$92,541.00

This project includes the installation of a JAWS #DHPC-748-300 CFM Bio-Filter, duct work, Nema 4X control panel, 8'x15' concrete pad, 3 hp blower and electrical wiring. This is a turnkey installation and start up. Operation and Maintenance manuals and training are included.

Justification & Benefits

This project is necessary because of numerous ongoing odor complaints from residents to regulatory agencies. The WWTP is located in the middle of the Doral MHP. Masking agents and other procedures have been used to control odors but are unable to eliminate them enough to stop the complaints. Installation of this odor control system will satisfy FDEP's concerns and significantly reduce the number of odor complaints from the nearby residents. By reducing the intensity and frequency of odors that carry off-site, the utility will avoid an NOV and possible penalty. Some cost savings achieved from reducing the purchase of masking agents will offset the cost to install the odor control unit.

Alternatives

1. CONTINUE UTILIZING MASKING AGENTS & INCORPORATE ADDITIONAL MASKING AGENTS: This alternative is not feasible. The hydrogen sulfide levels are too high to be controlled by masking agents and other odor generators such as methyl mercaptan, dimethyl sulphide and dimethyl disphide are not effectively neutralized by masking agents.
2. INSTALL A CHEMICAL SCRUBBER ODOR CONTROL SYSTEM: A chemical odor control system would eliminate the odors. However, the cost of leasing or purchasing a chemical scrubber is substantially higher than a bio-filter. The chemical scrubber system requires extensive maintenance and chemical costs are extremely high when compared to a bio-filter.

Timing of Project

The odor control system can be installed and on line 4-8 weeks after work order approval.

System Information

- Acquisition Date
- Facility Update

APPROVED



Project Request

Florida FL C088 0645 3719
Region State Co# Sub# ID#

Priority Level: 1 - Regulatory

Project Created: 09/30/05

Related to ID #:

Project Name: **Odor Control System for Mid County Barscreen & Dumpster**

Company: **Mid-County Services, Inc.**

Expenses to Start: **10/17/2005**

System: **Mid-County Services, Inc.**

Expenses to End: **06/01/2006**

Mid-County Services, Inc. is a sewer only system located in Pinellas County. The WWTP site is situated in the middle of the Doral MHP between US 19 and Belcher Road. The oldest sections of the wastewater collection system and treatment plant date to the 1970's. The wastewater plant has a capacity of 0.900 mgd and a 12-month average flow of 0.665 mgd (as of 12/31/05) or 74%. This is a decrease of 0.058 mgd AADF since December 2004 due to ongoing collection system improvements. Maximum daily flow over the last 12 months was 0.990 mgd. There were 10 days in June, July or August when flow exceeded plant capacity due to wet weather. Additional I&I studies are planned for 2006 to identify the location and volume of groundwater infiltration.

The majority of the capital projects completed in Mid-County since 2000 involved either maintenance activities at the wastewater plant or improvements to the collection system. Primarily, collection system improvements addressed I&I problems, some of which were caused by pipe failures (commonly vitrious clay pipe), improper construction methods, and poor design.

● Anticipated Growth in Area

Customer growth is occurring from redevelopment of Travel Towne RV Resort into S/F and M/F homes, redevelopment of Skylark MHP into a Kohl's Department store and 4 out parcels, and redevelopment of smaller parcels into light commercial along the US 19 and SR 580 corridors. Approximately 20% of the service area contains either existing homes on septic tanks or undeveloped land.

Redevelopment of mobile home and RV parks is expected to continue. There are eight remaining MHP's in the service area: Doral, Frontier Village, Serendipity, Regency Heights, Silk Oak, Bellehaven, Countryside Estates, and 580 MHP.

● Rate Case Information

Last Order Date: 09/99

Order Number: PSC-99-1912-FOF-SU

Type: S

Docket: 971065-SU

Test Year: 12/31/96

● List of Other Projects for System - by Project Status

<u>Sub</u>	<u>Status</u>	<u>Proj ID</u>	<u>Project Name</u>	<u>Date</u>	<u>Estimate</u>	<u>Spent</u>
0645	Fully Approved	4436	Estancia Blvd Sanitary Sewer Repairs	09/20/06	\$27,000	
0645	Open	1812	Spanish Acres I/I Study	03/15/06	\$14,000	
0645	Open	1813	Spanish Pines I/I Study	03/15/06	\$18,000	
0645	Open	1814	Spanish Oaks I/I Study	03/15/06	\$28,000	
0645	Open	4452	Mid County WWTF Methanol Pump	09/16/06	\$6,000	
0645	Placed In Service	3843	Mid County Road Repair	02/15/6	\$12,400	\$11,500
0645	Placed In Service	3719	Odor Control System for Mid County	10/17/05	\$90,000	\$47,970
0645	Placed In Service	3795	Mid County South Plant Blowers Control	12/08/05	\$8,800	\$7,126
0645	Placed In Service	3498	Spanish Vista Drive&Doral MHP Manhole	01/30/06	\$50,000	\$48,800
0645	Placed In Service	4002	580 Lift Station Upgrade	04/01/06	\$18,500	\$16,500
0645	Placed In Service	4403	Safety Upgrades - Mid-County WWTF	05/01/06	\$21,480	\$21,480
0645	Closed	1186	Silk Oak Lift Station improvements	06/01/03	\$9,500	\$4,180
0645	Closed	193	Replace splitter box on South Plant	07/01/04	\$40,000	\$43,544

APPROVED



Project Request

Florida FL C088 0645 3719
Region State Co# Sub# ID #

Priority Level: 1 - Regulatory

Project Created: 09/30/05

Related to ID #:

Project Name: **Odor Control System for Mid County Barscreen & Dumpster**

Company: **Mid-County Services, Inc.**

Expenses to Start: 10/17/2005

System: **Mid-County Services, Inc.**

Expenses to End: 06/01/2006

0645	Closed	1182	Blower replacement on North Plant	07/30/04	\$50,000	\$55,366
0645	Closed	1856	Operating Permit Renewal	10/21/04	\$10,000	\$9,550
0645	Closed	2996	Spanish Acres Sanitary Sewer and Lateral	03/01/05	\$150,000	\$141,045
0645	Closed	3346	Wilshire Blvd Manhole #4 Repair	06/06/05	\$9,600	\$10,942
0645	Closed	3484	South Plant Blower #4 Repair	06/13/05	\$5,700	\$5,687
0645	Closed	3552	Secondary Clarifier Sludge Collection	09/01/05	\$88,000	\$137,820
0645	Closed	3584	Mid-County South Plant, Blowers #1&2	09/15/05	\$5,400	\$3,529
0645	Proposed	1857	Mid-County EQ Tank-new	01/01/07		
0645	Proposed	191	Mid-County Sludge Handling Equipment	07/01/07		
0645	Proposed	3696	Eng-Mid-County Sludge Handling Equipment	09/01/07		
0645	Proposed	1185	Mid-Co WWTP Conversion to Reuse	02/03/08		
0645	Proposed	1183	Mid-County Denitification Filter #4	04/03/08		
0645	Proposed	3695	Eng-Mid-County EQ Tank	07/01/08		
0645	Proposed	190	Doral MHP I&I Study	08/03/08		
0645	Proposed	2180	Spanish Acres LS Power Conversion	09/03/08		
0645	Proposed	1972	Mid-County WWTP UV Conversion	01/03/10	\$200,000	

APPROVED



Project Request

Florida FL C088 0645 3498
Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 06/13/05

Related to ID #:

Project Name: Spanish Vista Drive&Doral MHP Manhole Rehabilitation

Company: Mid-County Services, Inc.

Expenses to Start: 01/30/2006

System: Mid-County Services, Inc.

Expenses to End: 06/30/2006

Service(s): Water Sewer Water & Sewer Reuse Other...

Benefits Category: Regulatory Requirement Expand Capacity Ongoing Maintenance
 Improve Service Provide New Service Other (explain below)
 Cost Reduction Improve Safety



Estimated Costs by Component

WO#: 088-0645-116-06-01

PO#:

GL#:

Component(s)	Component Description	Original Estimate	Asset Designation
20002	Capitalized Time	\$1,180.00	<input type="radio"/> New Asset(s) <input type="radio"/> Upgrading Asset(s) <input checked="" type="radio"/> Repairing Asset(s) <input type="radio"/> Replacing Asset(s) If replacing existing equipment, when (year) was the original asset placed in service? _____
20003	IDC	\$1,139.00	
20812	Labor and Materials	\$50,000.00	

Cap Plan Estimate: \$50,000.00 Estimate Totals: \$52,319.00

Capitalized Time Estimate: 40 Hours Total # of Customers: 2,069 # of Affected Customers: 2,069 Cost per Customer: \$25.29

Annual Offset In Expenses:



Signature Authority & Approvals

Submitted by: Richard W. Retz

Title: Assistant Operations Mgr

Date: 12/29/05

\$5,000 - \$25,000 Patrick Flynn

Regional Director

Date: 01/03/06

\$25,001 - \$75,000 _____

Regional VP of Operations

Date: _____

\$75,001 - \$100,000 Lisa Crossett

VP of Operations

Date: 01/10/06

Over \$100,000 Jim Camaren

Chief Executive Officer

Date: 01/17/06



APPROVED

Project Request

Florida FL C088 0645 3498
 Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 06/13/05

Related to ID #:

Project Name: **Spanish Vista Drive&Doral MHP Manhole Rehabilitation**

Company: **Mid-County Services, Inc.**

Expenses to Start: **01/30/2006**

System: **Mid-County Services, Inc.**

Expenses to End: **06/30/2006**



Attachment(s) - Ref. # 3498

- Fax
- Interoffice Mail
- QuickMail / Email
- Hand Delivery

Project Description
 List of System Projects

Estimate(s) Required

Project Description

See Notes Screen for addt'l info

Estimate Total: \$52,319.00

Rehabilitate 10 manholes along Spanish Vista Drive from east of Belcher Road to the Master Lift Station at the Mid-County WWTP, which is inside the Doral MHP.

The project consists of the following elements:

- 1) Install H-20 rated fiberglass liner in each manhole.
- 2) Rebuild the bench and invert in each manhole.
- 3) Replace ring and cover on each manhole.
- 4) Perform all site restoration.

The work will be performed at: manholes 1, 2 and behind the Mid-County field office trailer (located on the plant site) and, manholes 48, 51, 51A, 52, 52A, 60 and 63 on Spanish Vista Drive .

Justification & Benefits

These manholes were installed in 1969 and are severely deteriorated because of hydrogen sulfide gases in the sewer system. The manhole structures have weakened and need attention before a collapse occurs. The recommended course of action is to install a fiberglass liner in each manhole and grout the annular ring between the liner and the existing manhole to provide structural support. This will also eliminate infiltration through the manhole walls.

Manhole liners were installed in 2002 in two manholes on Spanish Vista Dr. One was a receiving manhole for an 8" FM and the second was immediately downstream of the first. This proposed project addresses the condition of the remaining manholes downstream of the second repaired one.

Alternatives

1. REHABILITATE MANHOLES BY RECOATING THE WALLS - This method is approximately 50% less costly than relining the manholes. The coating will not provide the additional structural support needed to shore up the manholes because of the extensive deterioration that has already occurred to the concrete bottom and walls and brick chimneys. This alternative is not recommended.
2. REPAIR MANHOLES WHEN EXTENSIVE PROBLEMS OCCUR - Delaying repairs will eventually result in a manhole collapse, emergency repairs and sewer overflows. This is a one of four primary mains flowing into the plant and cannot be shut down for an extended period without the use of bypass pumps. The cost of one emergency repair could be as much as the proposed project. This alternative is not recommended.
3. REPLACE MANHOLES - The material cost for ten manholes is approximately the same as the work proposed for each manhole in this project. Labor costs would be substantial because the line is a main feeder line to the plant,



Project Request

Florida	FL	C088	0645	3498
Region	State	Co#	Sub#	ID #

Priority Level: 4 - Maintenance

Project Created: 06/13/05

Related to ID #:

Project Name: **Spanish Vista Drive&Doral MHP Manhole Rehabilitation**

Company: **Mid-County Services, Inc.**

Expenses to Start: **01/30/2006**

System: **Mid-County Services, Inc.**

Expenses to End: **06/30/2006**

the manholes are 6-10 feet deep, and the water table is high. This alternative could easily exceed \$100,000 because of the need to wellpoint and install bypass pumping equipment. This alternative is not recommended.

Timing of Project

Project will begin 2 weeks after work order approval

System Information

● Acquisition Date

● Facility Update

Mid-County Services, Inc. is a sewer only system located in Pinellas County. The WWTP site is situated in the middle of the Doral MHP between US 19 and Belcher Road. The oldest sections of the wastewater collection system and treatment plant date to the 1970's. The wastewater plant has a capacity of 0.900 mgd and a 12-month average flow of 0.665 mgd (as of 12/31/05) or 74%. This is a decrease of 0.058 mgd AADF since December 2004 due to ongoing collection system improvements. Maximum daily flow over the last 12 months was 0.990 mgd. There were 10 days in June, July or August when flow exceeded plant capacity due to wet weather. Additional I&I studies are planned for 2006 to identify the location and volume of groundwater infiltration.

The majority of the capital projects completed in Mid-County since 2000 involved either maintenance activities at the wastewater plant or improvements to the collection system. Primarily, collection system improvements addressed I&I problems, some of which were caused by pipe failures (commonly vitrious clay pipe), improper construction methods, and poor design.

● Anticipated Growth in Area

Customer growth is occurring from redevelopment of Travel Towne RV Resort into S/F and M/F homes, redevelopment of Skylark MHP into a Kohl's Department store and 4 out parcels, and redevelopment of smaller parcels into light commercial along the US 19 and SR 580 corridors. Approximately 20% of the service area contains either existing homes on septic tanks or undeveloped land. Redevelopment of mobile home and RV parks is expected to continue. There are eight remaining MHP's in the service area: Doral, Frontier Village, Serendipity, Regency Heights, Silk Oak, Bellehaven, Countryside Estates, and 580 MHP.

● Rate Case Information

Last Order Date: 09/99

Order Number: PSC-99-1912-FOF-SU

Type: S

Docket: 971065-SU

Test Year: 12/31/96

● List of Other Projects for Svsstem - bv Project Status



Project Request

Florida FL C088 0645 3498
 Region State Co# Sub# ID #

Priority Level: 4 - Maintenance

Project Created: 06/13/05

Related to ID #:

Project Name: **Spanish Vista Drive&Doral MHP Manhole Rehabilitation**

Company: Mid-County Services, Inc.

Expenses to Start: 01/30/2006

System: Mid-County Services, Inc.

Expenses to End: 06/30/2006

Sub	Status	Proj ID	Project Name	Date	Estimate	Spent
0645	Fully Approved	4436	Estancia Blvd Sanitary Sewer Repairs	09/20/06	\$27,000	
0645	Open	1812	Spanish Acres I/I Study	03/15/06	\$14,000	
0645	Open	1813	Spanish Pines I/I Study	03/15/06	\$18,000	
0645	Open	1814	Spanish Oaks I/I Study	03/15/06	\$28,000	
0645	Open	4452	Mid County WWTF Methanol Pump	09/16/06	\$6,000	
0645	Placed In Service	3843	Mid County Road Repair	02/15/06	\$12,400	\$11,500
0645	Placed In Service	3719	Odor Control System for Mid County	10/17/05	\$90,000	\$47,970
0645	Placed In Service	3795	Mid County South Plant Blowers Control	12/08/05	\$8,800	\$7,126
0645	Placed In Service	3498	Spanish Vista Drive&Doral MHP Manhole	01/30/06	\$50,000	\$48,800
0645	Placed In Service	4002	580 Lift Station Upgrade	04/01/06	\$18,500	\$16,500
0645	Placed In Service	4403	Safety Upgrades - Mid-County WWTF	05/01/06	\$21,480	\$21,480
0645	Closed	1186	Silk Oak Lift Station Improvements	06/01/03	\$9,500	\$4,180
0645	Closed	193	Replace splitter box on South Plant	07/01/04	\$40,000	\$43,544
0645	Closed	1182	Blower replacement on North Plant	07/30/04	\$50,000	\$55,366
0645	Closed	1856	Operating Permit Renewal	10/21/04	\$10,000	\$9,550
0645	Closed	2995	Spanish Acres Sanitary Sewer and Lateral	03/01/05	\$150,000	\$141,045
0645	Closed	3346	Wilshire Blvd Manhole #4 Repair	06/06/05	\$9,600	\$10,942
0645	Closed	3484	South Plant Blower #4 Repair	06/13/05	\$5,700	\$5,687
0645	Closed	3552	Secondary Clarifier Sludge Collection	09/01/05	\$88,000	\$137,820
0645	Closed	3584	Mid County South Plant, Blowers #1&2	09/15/05	\$5,400	\$3,529
0645	Proposed	1857	Mid-County EQ Tank-new	01/01/07		
0645	Proposed	191	Mid-County Sludge Handling Equipment	07/01/07		
0645	Proposed	3696	Eng-Mid-County Sludge Handling Equipment	09/01/07		
0645	Proposed	1185	Mid-Co WWTP Conversion to Reuse	02/03/08		
0645	Proposed	1183	Mid-County Denitification Filter #4	04/03/08		
0645	Proposed	3695	Eng-Mid-County EQ Tank	07/01/08		
0645	Proposed	190	Doral MHP I&I Study	08/03/08		
0645	Proposed	2180	Spanish Acres LS Power Conversion	09/03/08		
0645	Proposed	1972	Mid-County WWTP UV Conversion	01/03/10	\$200,000	



Project Details

Florida FL C088 0645 3498
 Region State Co# Sub# ID #

Project Name: Spanish Vista Drive&Doral MHP Manhole Rehabilitation
 Company: Mid-County Services, Inc.
 System: Mid-County Services, Inc.

Current Status: Placed In Service
 WO/PO#: 088-0645-116-06-01
 Project Mgr: Richard W. Retz



Project Description

Rehabilitate 10 manholes along Spanish Vista Drive from east of Belcher Road to the Master Lift Station at the Mid-County WWTP, which is inside the Doral MHP.



- The project consists of the following elements:
- 1) Install H-20 rated fiberglass liner in each manhole.
 - 2) Rebuild the bench and invert in each manhole.
 - 3) Replace ring and cover on each manhole.
 - 4) Perform all site restoration.

The work will be performed at: manholes 1, 2 and behind the Mid-County field office trailer (located on the plant site) and, manholes 48, 51, 51A, 52, 52A, 60 and 63 on Spanish Vista Drive .

Location

Spanish Vista Drive in Palm Harbor, Florida

Justification & Benefits

These manholes were installed in 1969 and are severely deteriorated because of hydrogen sulfide gases in the sewer system. The manhole structures have weakened and need attention before a collapse occurs. The recommended course of action is to install a fiberglass liner in each manhole and grout the annular ring between the liner and the existing manhole to provide structural support. This will also eliminate infiltration through the manhole walls.

Manhole liners were installed in 2002 in two manholes on Spanish Vista Dr. One was a receiving manhole for an 8" FM and the second was immediately downstream of the first. This proposed project addresses the condition of the remaining manholes downstream of the second repaired one.

Alternatives

1. REHABILITATE MANHOLES BY RECOATING THE WALLS - This method is approximately 50% less costly than relining the manholes. The coating will not provide the additional structural support needed to shore up the manholes because of the extensive deterioration that has already occurred to the concrete bottom and walls and brick chimneys. This alternative is not recommended.
2. REPAIR MANHOLES WHEN EXTENSIVE PROBLEMS OCCUR - Delaying repairs will eventually result in a manhole collapse, emergency repairs and sewer overflows. This is a one of four primary mains flowing into the plant and cannot be shut down for an extended period without the use of bypass pumps. The cost of one emergency repair could be as much as the proposed project. This alternative is not recommended.
3. REPLACE MANHOLES - The material cost for ten manholes is approximately the same as the work proposed for each manhole in this project. Labor costs would be substantial because the line is a main feeder line to the plant, the manholes are 6-10 feet deep, and the water table is high. This alternative could easily exceed \$100,000 because of the need to wellpoint and install bypass pumping equipment. This alternative is not recommended.



Project Dates



Submitted By: Richard W. Retz	12/29/05	Approvals: Reg Director -->	Patrick Flynn	01/03/06
Approved: 01/17/06			Lisa Crossett	01/10/06
			Jim Camaren	01/17/06

Timing Issues

Project will begin 2 weeks after work order approval

Estimated Start & Finish Dates

Start: 01/30/06 In Service: 04/04/06



Project Details

Florida FL C088 0645 3498
 Region State Co# Sub# ID #

Project Name: Spanish Vista Drive&Doral MHP Manhole Rehabilitation
 Company: Mid-County Services, Inc.
 System: Mid-County Services, Inc.

Current Status: Placed In Service
 WO/PO#: 088-0645-116-06-01
 Project Mgr: Richard W. Retz

FINISH: 06/30/06

Original Finish:	Changes	Amended By	Reason for Amending	Project Completion Date	Date Amended
------------------	---------	------------	---------------------	-------------------------	--------------

Project Costs

*Total spent posted as of: 08/31/06

Component(s) & Description	Orig. Estimate	Amended	Spent to Date	Over/Under	% of Budget
20002 CAPITALIZED TIME	\$1,180.00			\$1,180.00	0%
20003 IDC	\$1,139.00		\$367.00	\$772.00	32%
20812 LABOR AND MATERIALS	\$50,000.00		\$48,800.00	\$1,200.00	98%
Totals:	\$52,319.00		\$49,167.00	\$3,152.00	93.98%

Project Notes

