



# Environmental Reagent Service

3860 SW 30th Ave. Hollywood, FL 33312

pH: 954•316•879<sub>2</sub> | Fax: 954•316•8793 | EMail: Environmentalrs@bellsouth.net

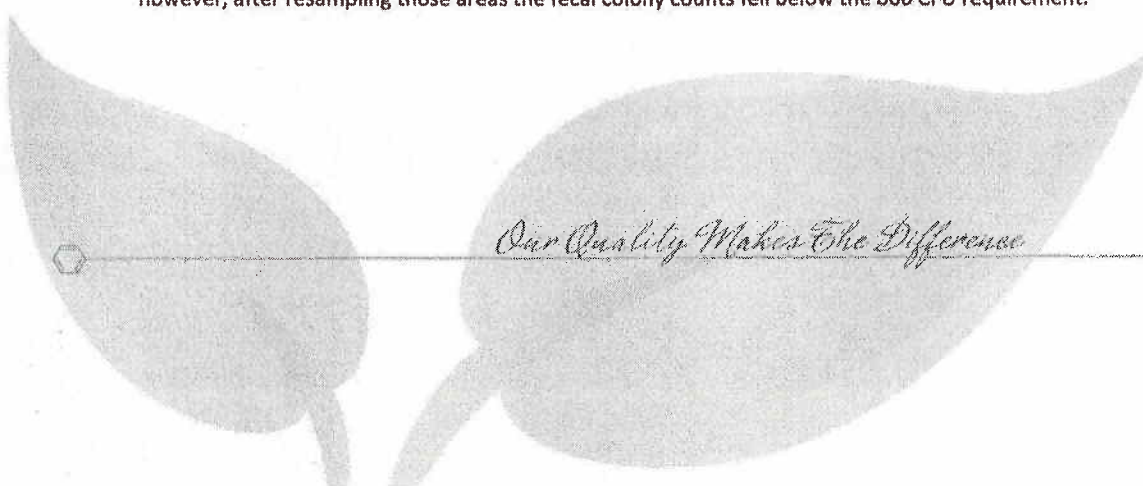
November 7, 2017

To whom it may concern,

On October 17, 2017, the City of Miramar contracted [Advanced Environmental Laboratories (AEL)] to sample and test the canal system in Country Club Ranches. More specifically, AEL conducted water quality sampling and tested for fecal coliform by the SM 9222D Method. AEL conducted 42 fecal coliform testing within the canal system. An overview of the results are presented below:

ADDRESS (CANALS)	SOUTHERN END (CFU)	MIDDLE (CFU)	NORTHERN END (CFU)
SW 126 <sup>th</sup> Ave	50	57	50
SW 128 <sup>th</sup> Ave	29	286	50
SW 137 <sup>th</sup> Ave	50	50	50
SW 139 <sup>th</sup> Ave	50	6,000	29
SW 139 <sup>th</sup> Ave (Resample)	N/A	50	N/A
SW 141 <sup>st</sup> Ave	229	50	200
SW 143 <sup>rd</sup> Ave	50	171	50
SW 139/SW 141 Ave	86	86	171
SW137th/139th Ave	371	543	171
SW 136/137 <sup>th</sup> Ave	1,950	1,200	86
SW 136/137 <sup>th</sup> Ave (Resample)	171	429	N/A
SW 132 <sup>nd</sup> Ave	50	50	343
SW 130 <sup>th</sup> Ave	429	314	50
ADDRESS (CANALS)	EAST (CFU)	MIDDLE (CFU)	WEST (CFU)
SW 148 Ave/SW 47 St.	50	114	200

**NOTE:** According to the Florida Department of Environmental Protection guideline(62-302.530 Table(11)(a)), whenever a sewer spill enters a body of freshwater, such water must be sampled and tested for fecal coliform until the colony counts reach 800 or below of Colony Forming Units (CFU). In this testing series, only three samples were above that threshold, however, after resampling those areas the fecal colony counts fell below the 800 CFU requirement.



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AEL also sampled and conducted fecal sediment testing in the canals located at SW 130<sup>th</sup> and SW 132<sup>nd</sup> Avenue using the SM 9221E Method. AEL conducted seven fecal coliform tests in soil within the canal system. An overview of the results are presented below:

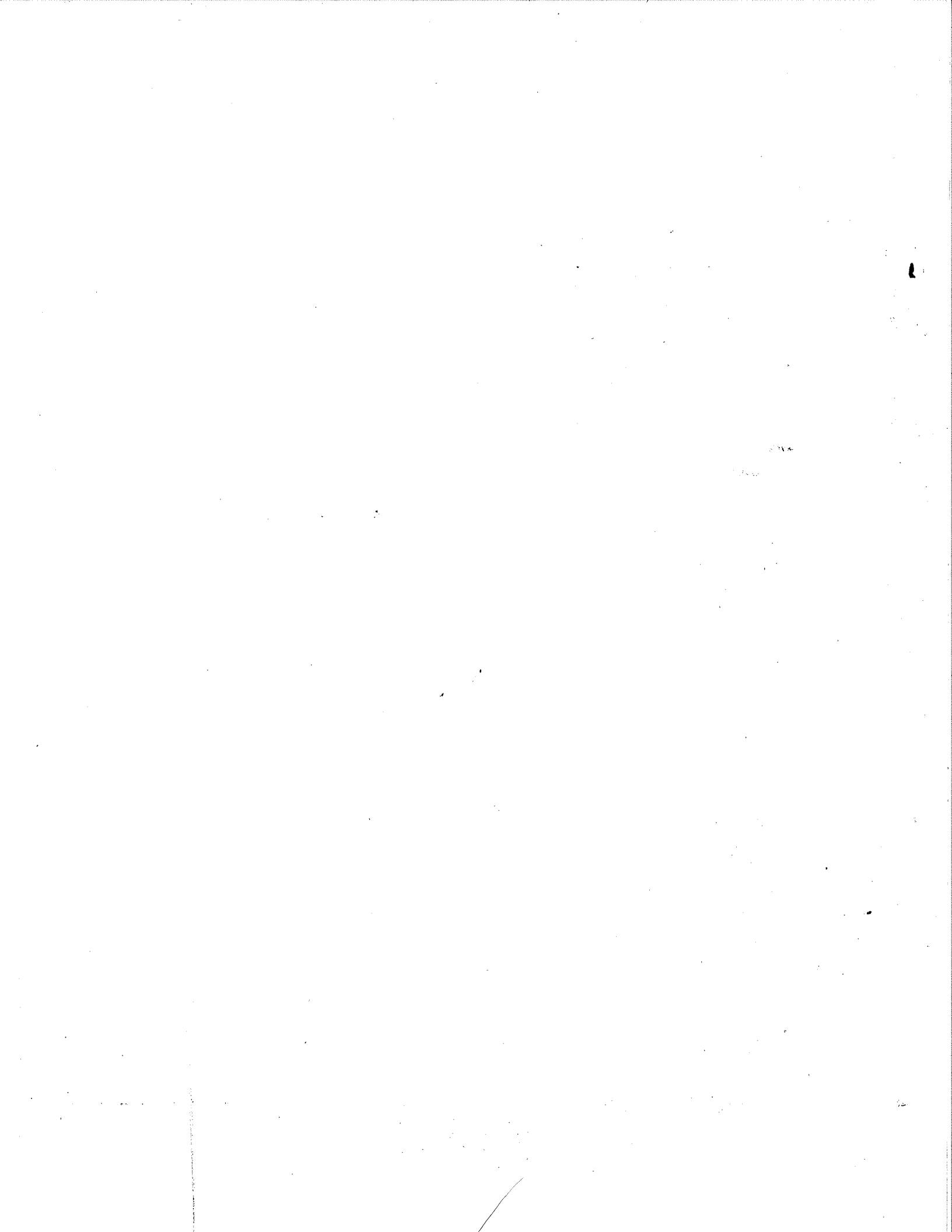
ADDRESS	SOUTHERN END (MPN/G)	MIDDLE OF CANAL (MPN/G)	NORTHERN END (MPN/G)
SW 130 <sup>th</sup> Ave	13,109	1,400	890
SW 132 <sup>nd</sup> Ave	2,544	590	654
Pembroke Road & Flamingo Road (control sample)	Did not test	730	Did not Test

This information was provided by City of Miramar and Advanced Environmental Laboratories. All data is accurate based on our knowledge and reports dated October 18<sup>th</sup> 2017.

Sincerely,

Julie Furman  
Lab Manager

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Advanced  
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc  
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October 25, 2017

Roy Virgin  
City of Miramar  
4100 S. Flamingo Road  
Miramar, FL 33027

RE: Workorder: M1704066 N/A

Dear Roy Virgin:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, October 17, 2017. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marie Bertolini - Project Manager  
MBertolini@AELLab.com

Enclosures

Report ID: 515643 - 1395738

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### CERTIFICATE OF ANALYSIS

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**SAMPLE SUMMARY**

Workorder: M1704066 N/A

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1704066001	132 AVE South	Soil	10/17/2017 09:48	10/17/2017 16:00
M1704066002	132 AVE Middle	Soil	10/17/2017 10:17	10/17/2017 16:00
M1704066003	132 AVE North	Soil	10/17/2017 10:34	10/17/2017 16:00
M1704066004	130 Ave South	Soil	10/17/2017 11:55	10/17/2017 16:00
M1704066005	130 Ave Middle	Soil	10/17/2017 12:09	10/17/2017 16:00
M1704066006	130 Ave North	Soil	10/17/2017 12:31	10/17/2017 16:00
M1704066007	Control Sample Pembroke & Flam	Soil	10/17/2017 13:40	10/17/2017 16:00

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**ANALYTICAL RESULTS**

Workorder: M1704066 N/A

Lab ID: **M1704066001** Date Received: 10/17/17 16:00 Matrix: Soil  
 Sample ID: **132 AVE South** Date Collected: 10/17/17 09:48

Results for sample M1704066001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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**Microbiology**

Analysis Desc: Fecal MPN, SM9221E, Soil		Analytical Method: SM 9221E						
Coliform Fecal	2544		Col/dry g MPN	5	590	590	10/17/2017 21:30	M

**WET CHEMISTRY**

Analysis Desc: pH, SW9045C, Soil		Analytical Method: SW 9045C						
pH	7.68		SU	1			10/24/2017 17:00	M

**WET CHEMISTRY**

Analysis Desc: Percent Solids, SM2540G, Soil		Analytical Method: SM 2540G						
Percent Solid	15.7		%	1	0.01	0.01	10/24/2017 19:09	M

Lab ID: **M1704066002** Date Received: 10/17/17 16:00 Matrix: Soil  
 Sample ID: **132 AVE Middle** Date Collected: 10/17/17 10:17

Results for sample M1704066002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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**Microbiology**

Analysis Desc: Fecal MPN, SM9221E, Soil		Analytical Method: SM 9221E						
Coliform Fecal	590	U,B	Col/dry g MPN	5	590	590	10/17/2017 21:30	M

**WET CHEMISTRY**

Analysis Desc: pH, SW9045C, Soil		Analytical Method: SW 9045C						
pH	7.11		SU	1			10/24/2017 17:00	M

**WET CHEMISTRY**

Analysis Desc: Percent Solids, SM2540G, Soil		Analytical Method: SM 2540G						
Percent Solid	16.0		%	1	0.01	0.01	10/24/2017 19:09	M

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**ANALYTICAL RESULTS**

Workorder: M1704066 N/A

Lab ID: **M1704066003** Date Received: 10/17/17 16:00 Matrix: Soil  
Sample ID: **132 AVE North** Date Collected: 10/17/17 10:34

Results for sample M1704066003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>Microbiology</b>								
Analysis Desc: Fecal MPN, SM9221E, Soil			Analytical Method: SM 9221E					
Coliform Fecal	654		Col/dry g MPN	5	650	650	10/17/2017 21:30	M

**WET CHEMISTRY**

Analysis Desc: pH, SW9045C, Soil			Analytical Method: SW 9045C					
pH	7.08		SU	1			10/24/2017 17:00	M

**WET CHEMISTRY**

Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Solid	13.9		%	1	0.01	0.01	10/24/2017 19:09	M

Lab ID: **M1704066004** Date Received: 10/17/17 16:00 Matrix: Soil  
Sample ID: **130 Ave South** Date Collected: 10/17/17 11:55

Results for sample M1704066004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>Microbiology</b>								
Analysis Desc: Fecal MPN, SM9221E, Soil			Analytical Method: SM 9221E					
Coliform Fecal	13109		Col/dry g MPN	10	2100	2100	10/18/2017 12:35	M

**WET CHEMISTRY**

Analysis Desc: pH, SW9045C, Soil			Analytical Method: SW 9045C					
pH	7.16		SU	1			10/24/2017 17:00	M

**WET CHEMISTRY**

Analysis Desc: Percent Solids, SM2540G, Soil			Analytical Method: SM 2540G					
Percent Solid	8.48		%	1	0.01	0.01	10/24/2017 19:09	M

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