

# ***Salazar Consulting Group, Inc.***

*A professional team of engineers, industrial hygienists,  
safety experts, physicians, and health scientists.*

Indoor Environmental Quality Evaluations  
Environmental and Medical Monitoring  
EPA/OSHA Compliance  
Expert Testimony

Hazardous Waste Control  
Hazard Communication  
Safety Evaluations  
Training

August 6, 2010

Mr. Aston A. Henry  
Supervisor, Risk Management Department  
The School Board of Broward County  
600 Southeast 3<sup>rd</sup> Avenue  
Fort Lauderdale, Florida 33301

RE: Drinking Water Test Results  
Croissant Park Elementary School  
1800 Southwest 4<sup>th</sup> Avenue  
Fort Lauderdale, Florida 33315-2114  
SCG File No.: 1031.73

Dear Mr. Henry:

Salazar Consulting Group, Inc. (SCG) has reviewed the information recently received regarding the analytical results of drinking water samples collected at Croissant Park Elementary School. Samples were collected by the School District and submitted to an independent laboratory by same on June 8, 2010.

Based upon the data tabulated on the report titled 'Florida Department of Environmental Protection (FDEP) Safe Drinking Water Program Laboratory Reporting Format' (Report Number/Job ID 1006-195/19617: PWS ID 4060486), SCG agrees with the laboratory's verbal indication that levels of all detected agents remained below the respective Maximum Contaminant Level (MCL). Again, SCG concludes such based exclusively upon comparison of the analytical outcomes reported with the MCLs listed for each. Please be advised that SCG offers no comment on levels detected of agents for which the respective MCL is listed as N/A (presumably indicating 'Not Applicable'). A copy of the FDEP report (comprised of a total of eight [8] pages) is enclosed for reference.

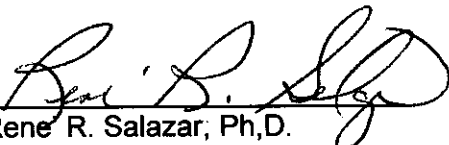
SCG reminds that this correspondence serves only to communicate the results of the recently collected drinking water samples, and offers no comment, neither written nor implied, regarding the suitability or quality of water servicing the facility. Concerns regarding exposure outcomes by any specific individual(s) to any agent(s) described herein should be discussed with an appropriate health practitioner.

Mr. Aston A. Henry  
August 6, 2010  
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SCG appreciates the opportunity to be of assistance in this regard. Of course, please do not hesitate to contact us should you have any questions, comments, or require additional information.

Sincerely,

SALAZAR CONSULTING GROUP, INC.

By:   
Rene R. Salazar, Ph.D.  
Certified Industrial Hygienist

Enclosure

**Florida Department of Environmental Protection  
Safe Drinking Water Program Laboratory Reporting Format**

**PUBLIC WATER SYSTEM INFORMATION** (to be completed by sampler -- please type or print legibly)

System Name: City of Fort Lauderdale PWS I.D. #: 

4	0	6	0	4	8	6
---	---	---	---	---	---	---

  
 System Type (check one):  Community  Nontransient Noncommunity  Transient Noncommunity  
 Address: 100 N. Andrews Avenue

City: Fort Lauderdale State: FL ZIP Code: 33301  
 Phone # 954-828-5150 Fax #: 954-828-7897 E-Mail Address: \_\_\_\_\_

**SAMPLE INFORMATION** (to be completed by sampler)

Sample Number: 19617 Sample Date: 06/08/10 Sample Time: 11:30 AM PM (Circle One)  
 Sample Location (be specific): 1800 SW 4th Avenue, Ft. Lauderdale, FL 33315 Location Code: Crossant Park Elementary

Disinfectant Residual (Required when reporting results for trihalomethanes and haloacetic acids): \_\_\_\_\_ mg/L Field pH: \_\_\_\_\_ Units  
 Sample Type (Check Only One) Reason(s) for Sample (Check all that apply)  
 Distribution  Routine Compliance with 62-550  Replacement (of invalidated Sample)  
 Entry Point (to Distribution)  Confirmation of MCL Exceedance\*\*  Special (not for compliance with 62-550)  
 Plant Tap (not for compliance with 62-550)  Composite of Multiple Sites\*\*  Clearance (permitting)  
 Raw (at well or intake)  Other: Occupant Complaint

Sampling Procedure Used or Other Comments: \_\_\_\_\_

\*\*See 62-550.500(6) for requirements and restrictions. \*\*See 62-550.550(4) for requirements and attach a results page for each site.  
 And 62-550.512(3) for nitrate or nitrite exceedances.

**SAMPLER CERTIFICATION**

I, Aston A. Henry Jr., Supervisor Risk Mgmt., do HEREBY CERTIFY  
 (Print Name) (Print Title)

that the above public water system and sample collection information is complete and correct.

Signature: \_\_\_\_\_ Date: 7/28/10

Certified Operator #: \_\_\_\_\_ Phone #: 754-321-1900 Sampler's Fax #: 754-321-3290

Sampler's E-mail: \_\_\_\_\_

# Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Reporting Format

LABORATORY CERTIFICATION INFORMATION (to be completed by lab - please type or print legibly)

Lab Name: Florida-Spectrum Environmental Services, Florida DOH Certification #: E86006 Certification Expiration Date: June 30<sup>th</sup>, 2011

ATTACH CURRENT DOH ANALYTE SHEET\*

Address: 1460 W. McNab Road, Fort Lauderdale, FL 33309

Phone #: 954-978-6400

Were any analyses subcontracted?  Yes  No If yes, please provide DOH certification number(s): E86795- E83079- E83033- E87611

ATTACH DOH ANALYTE SHEET FOR EACH SUBCONTRACTED LAB\*

ANALYSIS INFORMATION (to be completed by lab)      Date Sample(s) Received: 06/08/10 13:30

PWS ID (From Page 1): 4060486      Sample Number (From Page 1): 19617      Lab Assigned Report # or Job ID: 1006-195/19617

Group(s) Analyzed & Results attached for compliance with Chapter 62-550, F.A.C. (Check all that apply):

- |   |  |   |   |  |  |
|---|--|---|---|--|--|
| Inorganics<br><input type="checkbox"/> All Except Asbestos<br><input checked="" type="checkbox"/> Partial<br><input checked="" type="checkbox"/> Nitrate<br><input checked="" type="checkbox"/> Nitrite<br><input checked="" type="checkbox"/> Asbestos | Synthetic Organics<br><input checked="" type="checkbox"/> All 30<br><input type="checkbox"/> All Except Dioxin<br><input type="checkbox"/> Partial<br><input type="checkbox"/> Dioxin Only | Volatile Organics<br><input checked="" type="checkbox"/> All 21<br><input type="checkbox"/> Partial | Disinfection Byproducts<br><input checked="" type="checkbox"/> Trihalomethanes<br><input checked="" type="checkbox"/> Haloacetic Acids<br><input checked="" type="checkbox"/> Chlorite<br><input checked="" type="checkbox"/> Bromate | Radionuclides<br><input checked="" type="checkbox"/> Single Sample<br><input type="checkbox"/> Ctrny Composite** | Secondarys<br><input checked="" type="checkbox"/> All 14<br><input type="checkbox"/> Partial |
|---|--|---|---|--|--|

## LAB CERTIFICATION

I, Enrique Ochoa Customer Service Manager, do HEREBY CERTIFY  
(Print Name) (Print Title)

that all attached analytical data are correct and unless noted meet all requirements of the National Environmental Laboratory Accreditation Conference (NELAC).

Signature: \_\_\_\_\_ Date: 07/28/10

\* Failure to provide a valid and current Florida DOH lab certification number and a current Analyte Sheet for the attached analysis results will result in rejection of the report, possible enforcement against the public water system for failure to sample, and may result in notification of the DOH Bureau of Laboratory Services.  
\*\* Please provide radiological sample dates & locations for each quarter.

CONFIRMATION & NOTIFICATION IS REQUIRED WITHIN 24 HRS FOR NITRATE OR NITRITE MCL EXCEEDANCES  
NON-DETECTS ARE TO BE REPORTED AS THE MDL WITH A "U" QUALIFIER. (Non-detects reported as "BDL" or with a "<" are not acceptable.)

COMPLIANCE DETERMINATION (to be completed by DEP or DOH -- attach notes as necessary)

Sample Collection & Analysis Satisfactory:  Yes  No      Replacement Sample or Report Requested (circle or highlight group(s) above)

Person Notified: \_\_\_\_\_ Date Notified: \_\_\_\_\_ DEP/DOH Reviewing Official: \_\_\_\_\_

**Florida Department of Environmental Protection  
Safe Drinking Water Program Laboratory Reporting Format**

**INORGANIC CONTAMINANTS**  
62-550.310(1)

Report Number / Job ID: 1006-195/19617  
PWS ID (From Page 1): 4080486

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Analysis Date	Analysis Time	DOH Lab Certification #
1040	Nitrate (as N)	10	mg/L	0.20		300.0	0.005	06/08/10	16:20	E86006
1041	Nitrite (as N)	1	mg/L	0.006	U	300.0	0.006	06/08/10	16:20	E86006
1005	Arsenic	0.010	mg/L	0.0002	U	200.8	0.0002	06/10/10	14:48	E86006
1010	Barium	2	mg/L	0.0005		200.8	0.00004	06/10/10	14:48	E86006
1015	Cadmium	0.005	mg/L	0.00008	U	200.8	0.00008	06/10/10	14:48	E86006
1020	Chromium	0.1	mg/L	0.0001	U	200.8	0.0001	06/10/10	14:48	E86006
1024	Cyanide	0.2	mg/L	0.002	U	SM4500 CN-E	0.002	06/10/10	11:40	E86006
1025	Fluoride	4.0	mg/L	0.93		300.0	0.040	06/08/10	16:20	E86006
1030	Lead	0.015	mg/L	0.0043		200.8	0.00006	06/10/10	14:48	E86006
1035	Mercury	0.002	mg/L	0.00007	U	245.1	0.00007	06/10/10	16:52	E86006
1036	Nickel	0.1	mg/L	0.0216		200.8	0.0002	06/10/10	14:48	E86006
1045	Selenium	0.05	mg/L	0.0009	U	200.8	0.0009	06/10/10	14:48	E86006
1052	Sodium	160	mg/L	25.4		200.7	0.003	06/09/10	01:18	E86006
1074	Antimony	0.006	mg/L	0.0002	U	200.8	0.0002	06/10/10	14:48	E86006
1075	Beryllium	0.004	mg/L	0.00003	U	200.8	0.00003	06/10/10	14:48	E86006
1085	Thallium	0.002	mg/L	0.000004	U	200.8	0.000004	06/10/10	14:48	E86006
1094	Asbestos	7 MFL	MFL	<0.20	U	100.2(EPA8007-R-84/134 TEM)	0.20	06/22/10	13:00	E86795

\*Results must be reported with appropriate qualifiers in accordance with Florida Administrative Code Rule 62-160, Table 1. Results qualified with A, F, H, N, O, T, Z, ? , are unacceptable for compliance with 62-550. Results qualified with a J, Q, R, or Y must be accompanied by written justification and will be evaluated on a case by case basis. To avoid a monitoring violation, unacceptable results must be replaced with acceptable results from samples collected during the same monitoring period.

**Florida Department of Environmental Protection  
Safe Drinking Water Program Laboratory Reporting Format**

**SECONDARY CONTAMINANTS**

Report Number / Job ID: 1006-195/19617  
PWS ID (From Page 1): 4060486

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Analysis Date	Analysis Time	DOH Lab Certification #
1002	Aluminum	0.2	mg/L	0.015		200.7	0.0007	06/09/10	01:18	E86006
1017	Chloride	250	mg/L	11.4		300.0	0.31	06/08/10	16:20	E86006
1022	Copper	1	mg/L	0.098		200.7	0.0002	06/09/10	01:18	E86006
1025	Fluoride	2.0	mg/L	0.93		300.0	0.040	06/08/10	16:20	E86006
1028	Iron	0.3	mg/L	0.042		200.7	0.0008	06/09/10	01:18	E86006
1032	Manganese	0.05	mg/L	0.0004		200.7	0.00009	06/09/10	01:18	E86006
1050	Silver	0.1	mg/L	0.0001	U	200.7	0.0001	06/09/10	01:18	E86006
1055	Sulfate	250	mg/L	2.03		300.0	0.04	06/08/10	16:20	E86006
1095	Zinc	5	mg/L	0.177		200.7	0.00050	06/09/10	01:18	E86006
1905	Color	15	Pt-Co	5/8.0		SM2120B	1.0	06/09/10	17:33	E86006
1920	Odor	3	TON	2	I	SM2150B	1.0	06/08/10	16:02	E86006
1925	pH (field pH from page 1)	6.5 - 8.5				150.1	0.1			E86006
1930	Total Dissolved Solids	500	mg/L	82.0		SM2540C	1.0	06/14/10	14:00	E86006
2905	Foaming Agents	0.5	mg/L	0.041	I	SM5540C	0.033	06/10/10	09:30	E86006

\*Results must be reported with appropriate qualifiers in accordance with Florida Administrative Code Rule 62-160, Table 1. Results qualified with A, F, H, N, O, T, Z, ? , \* are unacceptable for compliance with 62-550. Results qualified with a J, Q, R, or Y must be accompanied by written justification and will be evaluated on a case by case basis. To avoid a monitoring violation, unacceptable results must be replaced with acceptable results from samples collected during the same monitoring period.

**Florida Department of Environmental Protection  
Safe Drinking Water Program Laboratory Reporting Format**

DISINFECTION BYPRODUCTS  
62-550.310(3)

Report Number / Job ID: 1006-195/19617

Disinfectant Residual (mg/L):

PWS ID (From Page 1): 4060486

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Regulatory MRL**	Analysis Date	Analysis Time	DOH Lab Certification #
1009	Chlorite	1000	µg/L	0.84	U	EPA300.1	0.84	20***	06/19/10	06:42	E83079
1011	Bromate	10	µg/L	2.1	I	EPA300.1	0.32	5.0 or 1.0****	06/19/10	06:42	E83079

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Regulatory MRL**	Analysis Date	Analysis Time	DOH Lab Certification #
2450	Monochloroacetic Acid	N/A	µg/L	0.79	U	552.2	0.79	2.0	06/10/10	15:29	E86006
2451	Dichloroacetic Acid	N/A	µg/L	26.4		552.2	0.45	1.0	06/10/10	15:29	E86006
2452	Trichloroacetic Acid	N/A	µg/L	1.82		552.2	0.36	1.0	06/10/10	15:29	E86006
2453	Monobromoacetic Acid	N/A	µg/L	0.47	U	552.2	0.47	1.0	06/10/10	15:29	E86006
2454	Dibromoacetic Acid	N/A	µg/L	0.37	U	552.2	0.37	1.0	06/10/10	15:29	E86006
2456	Total Haloacetic Acids (HAA5)	60	µg/L	28.2		552.2		---	06/10/10	15:29	E86006

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	Regulatory MRL**	Analysis Date	Analysis Time	DOH Lab Certification #
2941	Chloroform	N/A	µg/L	3.50		524.2	0.13	1.0	06/08/10	16:56	E86006
2942	Bromoform	N/A	µg/L	0.81	I	524.2	0.43	1.0	06/08/10	16:56	E86006
2943	Bromodichloromethane	N/A	µg/L	1.53		524.2	0.25	1.0	06/08/10	16:56	E86006
2944	Dibromochloromethane	N/A	µg/L	1.08		524.2	0.13	1.0	06/08/10	16:56	E86006
2950	Total Trihalomethanes (TTHM)	80	µg/L	6.9		524.2		---	06/08/10	16:56	E86006

\*\* Laboratories are required to adhere to the minimum reporting level (MRL) requirements of 40 CFR 141.131(b)(2)(iv).

\*\*\* Applicable to monitoring as prescribed in 40 CFR 141.132.(b)(2)(i)(B) and (b)(2)(ii).

\*\*\*\* Laboratories that use EPA Methods 317.0 Revision 2.0, 326.0 or 321.8 must meet a 1.0 µg/L MRL for bromate.

**NOTE:** Do not round values. Report results to the accuracy, precision, and sensitivity of the analytical method used.

Reporting Format 62-550.730  
Effective January 1995, Revised February 2010

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\*Results must be reported with appropriate qualifiers in accordance with Florida Administrative Code Rule 62-160, Table 1. Results qualified with A, F, H, N, O, T, Z, ? , are unacceptable for compliance with 62-550. Results qualified with a J, Q, R, or Y must be accompanied by written justification and will be evaluated on a case by case basis. To avoid a monitoring violation, unacceptable results must be replaced with acceptable results from samples collected during the same monitoring period.

**Florida Department of Environmental Protection  
Safe Drinking Water Program Laboratory Reporting Format**

RADIONUCLIDES  
62-550.310(6)

Report Number / Job ID: 1006-195/19617

PWS ID (From Page 1): 4060486

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	RDL	Analysis Error	Analysis Date	Analysis Time	DOH Lab Certification #
4000	Gross Alpha (Excl Uranium)	15	pCi/L	1.1	U	EPA 900.0	1.1	3	0.7	06/23/10	07:26	E83033
4002	Gross Alpha (incl Uranium)	***	pCi/L					3				E83033
4006	Combined Uranium**** (U-234, U-235, & U-238)	20	pCi/L					.67				E83033
		30	µg/L					1				E83033
4020	Radium-226	5	pCi/L	0.5	I	EPA903.1	0.2	1	0.2	06/30/10	10:32	E83033
4030	Radium-228			1.0	U	EPA-Ra-05	1.0	1	0.7	06/30/10	12:57	E83033

\*\* If the result exceeds 5 pCi/L, a measurement for radium-226 is required. Uranium is reported separately under Contam ID 4006.

\*\*\* If the results exceed 5 pCi/L, a measurement for radium-226 is required. If the results exceed 15 pCi/L, a measurement for Combined Uranium must be reported separately. The DEP/DOH will subtract the U value from the Gross Alpha (ID 4002) to determine compliance with MCL for Gross Alpha (Excl. U) of 15pCi/L. If the result for ID 4002 Gross Alpha (including Uranium) does not exceed 15pCi/L, Combined Uranium need not be measured nor reported.

\*\*\*\* If using Uranium testing methods ASTM D5174 or EPA 200.8 only, then Analysis Error need not be reported.

\*Results must be reported with appropriate qualifiers in accordance with Florida Administrative Code Rule 62-160, Table 1. Results qualified with A, F, H, N, O, T, Z, ?, \* are unacceptable for compliance with 62-550. Results qualified with a J, Q, R, or Y must be accompanied by written justification and will be evaluated on a case by case basis. To avoid a monitoring violation, unacceptable results must be replaced with acceptable results from samples collected during the same monitoring period.



# Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Reporting Format

Report Number / Job ID: 1006-195/19617  
PWS ID (from Page 1): 4060486

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier*	Analytical Method	Lab MDL	RDL	Extraction Date	Analysis Date	Analysis Time	DOH Lab Certification #
2005	Endrin	2	µg/L	0.010	U	508	0.010	0.01	06/11/10	06/12/10	08:34	E86006
2010	Lindane	0.2	µg/L	0.012	U	508	0.012	0.02	06/11/10	06/12/10	08:34	E86006
2015	Methoxychlor	40	µg/L	0.013	U	508	0.013	0.1	06/11/10	06/12/10	08:34	E86006
2020	Toxaphene	3	µg/L	0.21	U	508	0.21	1	06/11/10	06/12/10	08:34	E86006
2031	Delapron	200	µg/L	0.09	U	515.3	0.09	1	06/11/10	06/12/10	09:55	E86006
2032	Diquat	20	µg/L	0.4	U	549.2	0.4	0.4	06/08/10	06/08/10	16:34	E86006
2033	Endothall	100	µg/L	2.72	U	548.1	2.72	9	06/09/10	06/10/10	14:09	E86006
2034	Glyphosate	700	µg/L	3.55	U	547	3.55	6	06/11/10	06/11/10	12:36	E86006
2035	Di(2-ethylhexyl)adipate	400	µg/L	0.01	U	525.2	0.01	0.6	06/15/10	06/16/10	12:33	E86006
2036	Oxaryl (Vydate)	200	µg/L	0.41	U	531.1	0.41	2	06/10/10	06/10/10	11:17	E86006
2037	Simazine	4	µg/L	0.03	U	525.2	0.03	0.07	06/15/10	06/16/10	12:33	E86006
2039	Di(2-ethylhexyl)phthalate	6	µg/L	0.04	U	525.2	0.04	0.6	06/15/10	06/16/10	12:33	E86006
2040	Picloram	500	µg/L	0.06	U	515.3	0.06	0.1	06/11/10	06/12/10	08:55	E86006
2041	Dinoseb	7	µg/L	0.11	U	515.3	0.11	0.2	06/11/10	06/12/10	09:55	E86006
2042	Hexachlorocyclopentadiene	50	µg/L	0.010	U	508	0.010	0.1	06/11/10	06/12/10	08:34	E86006
2046	Carbofuran	40	µg/L	0.45	U	531.1	0.45	0.9	06/10/10	06/10/10	11:17	E86006
2050	Atrazine	3	µg/L	0.03	U	525.2	0.03	0.1	06/15/10	06/16/10	12:33	E86006
2051	Alachlor	2	µg/L	0.03	U	525.2	0.03	0.2	06/15/10	06/16/10	12:33	E86006
2063	2,3,7,8-TCDD (Dioxin)	0.03	ng/L	0.001	U	1613B	0.001	0.005	06/15/10	06/20/10	21:09	E87611
2065	Heptachlor	0.4	µg/L	0.012	U	508	0.012	0.04	06/11/10	06/12/10	08:34	E86006
2067	Heptachlor Epoxide	0.2	µg/L	0.011	U	508	0.011	0.02	06/11/10	06/12/10	08:34	E86006
2105	2,4-D	70	µg/L	0.08	U	515.3	0.08	0.1	06/11/10	06/12/10	09:55	E86006
2110	2,4,5-TP (Silvex)	50	µg/L	0.04	U	515.3	0.04	0.2	06/11/10	06/12/10	09:55	E86006
2274	Hexachlorobenzene	1	µg/L	0.009	U	508	0.009	0.1	06/11/10	06/12/10	08:34	E86006
2306	Benzo(a)pyrene	0.2	µg/L	0.01	U	525.2	0.01	0.02	06/15/10	06/16/10	12:33	E86006
2326	Pentachlorophenol	1	µg/L	0.02	U	515.3	0.02	0.04	06/11/10	06/12/10	09:55	E86006
2383	Polychlorinated biphenyls (PCBs)	0.5	µg/L	0.05	U	508	0.05	0.1	06/11/10	06/12/10	08:34	E86006
2931	Dibromochloropropane	0.2	µg/L	0.006	U	504.1ECD	0.006	0.02	06/14/10	06/14/10	21:29	E86006
2946	Ethylene Dibromide (EDB)	0.02	µg/L	0.006	U	504.1ECD	0.006	0.01	06/14/10	06/14/10	21:29	E86006
2959	Chlordane	2	µg/L	0.03	U	508	0.03	0.2	06/11/10	06/12/10	08:34	E86006

NOTE: Results indicating non-detection with a reported lab MDL >50% of the MCL will not be accepted for compliance.

\*Results must be reported with appropriate qualifiers in accordance with Florida Administrative Code Rule 62-160, Table 1. Results qualified with A, F, H, N, O, T, Z, ?, \* are unacceptable for compliance with 62-550. Results qualified with a J, G, R, or Y must be accompanied by written justification and will be evaluated on a case by case basis. To avoid a monitoring violation, unacceptable results must be replaced with acceptable results from samples collected during the same monitoring period.