



Joe Lauro, CPPO/CPPB  
Director

February 1, 2019

TO: ALL INTERESTED PROPOSERS

REQUEST FOR PROPOSAL: Denitrification Filter Rehab at South Cross Bayou WRF – Professional Engineering Services

PROPOSAL NUMBER: 189-0117-NC (SS)

PROPOSAL SUBMITTAL IS DUE: February 12, 2019 @ 3:00 P.M.

**ADDENDUM NO. 1**

Following is additional information, clarifications, questions and responses relative to referenced Request for Proposal (RFP):

**QUESTION(S)/RESPONSE(S):**

1. Question: Can you give me the feed water analysis out of their secondary clarifier, before the sand filters. Normal cations/anions but also suspended solids and I'm curious what the BOD5 is as well.

**Response: A current analysis is attached. The sampling was performed between August 27, 2018 through September 2, 2018. Pinellas County does not currently sample for normal cations/anions. BOD5 is not sampled at this location.**

All other specifications, terms and conditions remain the same.

Please remember to acknowledge receipt of this Addendum in Section **G**, Page 25 under Addendum No.1 and return with completed proposal package.

Sincerely,

*Joe Lauro CPPO/CPPB*

Joseph Lauro, CPPO/CPPB  
Director of Purchasing

PLEASE ADDRESS REPLY TO:  
400 South Ft. Harrison, Sixth Floor  
Clearwater, Florida 33756  
Phone: (727) 464-3311  
FAX: (727) 464-3925  
Website: [www.pinellascounty.org/purchase](http://www.pinellascounty.org/purchase)



Locations / Results	Raw Influent		LS No. 1		North Train Primary Effluent		South Train Primary Effluent		North Train Secondary Effluent		South Train Secondary Effluent	
mg/L	Individual Result (Duplicate)	Average	Individual Result (Duplicate)	Average	Individual Result (Duplicate)	Average	Individual Result (Duplicate)	Average	Individual Result (Duplicate)	Average	Individual Result (Duplicate)	Average
COD	327	381	1200	1745	330	343	388	434	33	56	62.5U	30
	172 (324)		1820		327		377		125U		188U	
	417		1950		319		372		125U		125U	
	386		2550		362		458		125U		188U	
	412		943		356		588		120		33	
	440		142		410 (320)		443		42		33	
	360		3610		298		414		30		23	
rbCOD	60	100	98	66	65	79	57	77	36	34	39	34.1
	86.6 (98.4)		35		72		79		35		27	
	87		44		75		77		32		35	
	91		42		79		72		25.0U		30	
	136		74				91		25.0U		25.0U	
	138		100		97.7 (85.9)		79		25.0U		41	
	93		69		86		84		25.0U		34	
BOD	126	157	603	403	118	135	139	186	2	4	3	5
	206		73		199		181		5			
	160		334		143		164		4		2	
	172		528		138		199 (COD/3, lab result 21.4)		2		13	
	159		501				256 (COD/3, lab result 108)		4		2	
	144		111		95		189		2		2.0U	
	132		671		115		176		5		2.0U	
BODU	250	292	790	831	190	216	250	272	5	7	7	7
			215						12		6	
	280		460		190				3		6	
	250		1260		200		230		5		5	
	390		1090				340		7		7	
	290		1250		260		340		3		5	
	290		750		240		200		14		10	
TSS	154	116	3650	1458	112	98	250	215	5.0U	6	5.0U	5.0 U
	146 (131)		1270		136		178		5.0U		5.1U	
	177.5 (119)		1280		114		273		5.0U		5.0U	
	55		436		47		219		6		5.0U	
	50		547				148		5.0U		5.0U	
	49		194		56 (52.5)		137		5.0U		5.0U	
	182		2830		126		262		5.0U		5.0U	
VSS	97	95	2230	1065	108	86	198	175	5.0U	6	5.0U	5.0 U
	136 (166)		766		106		206		5		5.0U	
	142 (142)		1520		114		260		7		5.0U	
	46		329		38		167		5.0U		5.0U	
	43		400				114		5.0U		5.0U	
	37		140		44 (44.5)		105		5.0U		5.0U	
	164		2070		106		206		5.0U		5.0U	
TKN	31	32	45	81	29	30	35	38	1.0	1.4	1.1	1.2
	30.9 (28.1)		105		30		30		1.2		1.0	
	31		84		30		32		1.2		1.3	
	35		124		32		41		1.3		1.4	
	34		76		32		47		2.6		1.1	
	33		64		28.8 (30.2)		42		1.2		1.2	
	31		72		31		40		1.5		1.3	
TP	4	4.0	13	43	3.6	4	7.4	8	1.0	0	0.4	1
	3.8 (2.4)		57		3.7		6.5		0.4		1.0	
	3.9		63		3.8		7.7		0.4		1.0	
	4.3		67		4.0		8.9		0.4		1.1	
	4.1		32		3.9		11.0		0.3		1.0	
	4.1		9		3.6 (3.9)		9.0		0.3		1.0	
	3.8		60		3.8		8.6		0.4		1.1	