



Request for Proposals 2023-047

WRF+WTP Laboratory Service

ADDENDUM No. 4

ISSUE DATE: April 14, 2023

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named RFP document.

The following items add to, modify, and/or clarify the RFP documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the RFP document.

A. Add/Delete/Replace

- Delete in its entirety:** Section 4.4 Pricing.
Replace with: Section 4.4 Pricing listed below:

4.4 PRICING

Please provide unit cost for sampling all associated requirements as outlines in **Appendix A – Price Forms**. Sampling quantities are approximate and may vary. Unit prices shall include all cost necessary to provide Union County with these services, including shipping service. Emergency Weekend Sampling services shall be priced in a separate column.

- Delete in its entirety:** Appendix A Price Form as well as all 8.1-8.7 Price Forms.
Replace with: Appendix A Price Form and 8.1-8.7 Price Forms listed below:

APPENDIX A – PRICE FORM

RFP 2023-047 WRF+WTP Laboratory Services

Offerors must complete and submit Appendix A in its entirety. Totals from each price form, 8.1 – 8.7, must be entered on the Total Summary as follows:

Price Form Name	"A" - Total Annual Standard TAT Cost	"B" - Total Emergency/Weekend Sampling Cost
8.1 – 12 Mile Creek WRF		
8.2 – Crooked Creek WRF		
8.3 – Grassy Branch WRF		
8.4 – Olde Sycamore WRF		
8.5 – Tallwood WRF		
8.6 – Yadkin Water Treatment Plant		
8.7 – Industrial Pretreatment Program		
Summary Total:		

“A” Summary Total + “B” Summary Total = Grand Total \$ _____

Name of Company Submitting: _____

8.1 12-MILE CREEK WRF PRICE FORM

Sample Code	Season	Description	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/Analysis	Standard TAT Cost/Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
UC12-INF		Influent	CBOD	Daily	260	Operator	Q-Comp				
			TSS	Daily	260	Operator	Q-Comp				
			NH3-N	Daily	260	Operator	Q-Comp				
			COD	Weekly	52	Operator	Q-Comp				
			TKN	Weekly	52	Operator	Q-Comp				
			NOx	Weekly	52	Operator	Q-Comp				
			TP	Weekly	52	Operator	Q-Comp				
			Alkalinity	Weekly	52	Operator	Q-Comp				
			Arsenic	Monthly	12	Operator	Q-Comp				
			Cadmium	Monthly	12	Operator	Q-Comp				
			Chromium	Monthly	12	Operator	Q-Comp				
			Copper	Monthly	12	Operator	Q-Comp				

			Lead	Monthly	12	Operator	Q-Comp				
			LL Mercury	Monthly	12	Operator	Grab				
			Molybdenum	Monthly	12	Operator	Q-Comp				
			Nickel	Monthly	12	Operator	Q-Comp				
			Selenium	Monthly	12	Operator	Q-Comp				
			Silver	Monthly	12	Operator	Q-Comp				
			Zinc	Monthly	12	Operator	Q-Comp				
			Cyanide	Monthly	12	Operator	Q-Comp				
			Organics	1/6 MONTHS	2	Operator	Grab				
			Pesticides	1/6 MONTHS	2	Operator	Grab				
			Chloride	1/6 MONTHS	2	Operator	Q-Comp				
			Oil & Grease (HEM)	MONTHLY	12	Operator	Grab				
			Petroleum Hydrocarbons (SGT-HEM)	ANNUALLY	1	Operator	Grab				
UC12-FCE		Filter Influent	BOD	Weekly	52	Operator	T-Comp				

			TSS	Weekly	52	Operator	T-Comp				
			NH3-N	Weekly	52	Operator	T-Comp				
			TKN	Monthly	12	Operator	T-Comp				
			NOx	Monthly	12	Operator	T-Comp				
			TP	Monthly	12	Operator	T-Comp				
			Arsenic	Monthly	12	Operator	Q-Comp				
			Cadmium	Monthly	12	Operator	Q-Comp				
			Chromium	Monthly	12	Operator	Q-Comp				
			Copper	Monthly	12	Operator	Q-Comp				
			Lead	Monthly	12	Operator	Q-Comp				
			Molybdenum	Monthly	12	Operator	Q-Comp				
			Nickel	Monthly	12	Operator	Q-Comp				
			Selenium	Monthly	12	Operator	Q-Comp				
			Silver	Monthly	12	Operator	Q-Comp				
			Zinc	Monthly	12	Operator	Q-Comp				

UC12-EFF		Effluent	Temp	Daily	260	Lab	Grab				
			DO	Daily	260	Lab	Grab				
			pH	Daily	260	Lab	Grab				
			Fecal	Daily	260	Lab	Grab				
			cBOD	Daily	260	Operator	Q-Comp				
			BOD	Daily	260	Operator	Q-Comp				
			TSS	Daily	260	Operator	Q-Comp				
			NH3-N	Daily	260	Operator	Q-Comp				
			COD	Weekly	52	Operator	Q-Comp				
			TKN	Weekly	52	Operator	Q-Comp				
			NOx	Weekly	52	Operator	Q-Comp				
			TP	Weekly	52	Operator	Q-Comp				
			Alkalinity	Weekly	52	Operator	Q-Comp				
			Arsenic	MONTHLY	12	Operator	Q-Comp				
			Cadmium	MONTHLY	12	Operator	Q-Comp				

			Chromium	MONTHLY	12	Operator	Q-Comp				
			Copper	MONTHLY	12	Operator	Q-Comp				
			Lead	MONTHLY	12	Operator	Q-Comp				
			LL Mercury	MONTHLY	12	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Q-Comp				
			Nickel	MONTHLY	12	Operator	Q-Comp				
			Selenium	MONTHLY	12	Operator	Q-Comp				
			Silver	MONTHLY	12	Operator	Q-Comp				
			Zinc	Monthly	12	Operator	Q-Comp				
			Cyanide	Monthly	12	Operator	Q-Comp				
			Hardness	Monthly	12	Operator	Q-Comp				
			Toxicity	Quarterly	4	Operator	Q-Comp				
			2nd Species Toxicity	Annually	2	Operator	Q-Comp				
			PPA	Annually	1	Lab	Grab/ Q- Comp				
			Organics	1/6 Months	2	Operator	Grab				

			Pesticides	1/6 Months	2	Operator	Grab				
			Chloride	1/6 Months	1	Operator	Q-Comp				
			Oil & Grease (HEM)	MONTHLY	12	Operator	Grab				
			Petroleum Hydrocarbons (SGT-HEM)	Annually	1	Operator	Grab				
UC12-TWAS/CAKE		Thickened Waste Activated Sludge/Cake	TS	Weekly	104	Operator	H-Comp				
			TVS	Weekly	104	Operator	H-Comp				
			TKN	MONTHLY	24	Operator	H-Comp				
			TP	MONTHLY	24	Operator	H-Comp				
			Arsenic	MONTHLY	24	Operator	H-Comp				
			Cadmium	MONTHLY	24	Operator	H-Comp				
			Chromium	MONTHLY	24	Operator	H-Comp				
			Copper	MONTHLY	24	Operator	H-Comp				
			Lead	MONTHLY	24	Operator	H-Comp				

			LL Mercury	MONTHLY	24	Operator	H-Comp				
			Molybdenum	MONTHLY	24	Operator	H-Comp				
			Nickel	MONTHLY	24	Operator	H-Comp				
			Selenium	MONTHLY	24	Operator	H-Comp				
			Silver	MONTHLY	24	Operator	H-Comp				
			Zinc	MONTHLY	24	Operator	H-Comp				
			Hg	MONTHLY	24	Operator	H-Comp				
UC12-FILT		TWAS/BFP Filtrate	BOD	Monthly	24	Operator	Grab				
			TSS	Monthly	24	Operator	Grab				
			NH3-N	Monthly	24	Operator	Grab				
			COD	Monthly	24	Operator	Grab				
			TKN	Monthly	24	Operator	Grab				
			NOx	Monthly	24	Operator	Grab				
			TP	Monthly	24	Operator	Grab				
			Arsenic	Monthly	24	Operator	Grab				

			Cadmium	Monthly	24	Operator	Grab				
			Chromium	Monthly	24	Operator	Grab				
			Copper	Monthly	24	Operator	Grab				
			Lead	Monthly	24	Operator	Grab				
			Nickel	Monthly	24	Operator	Grab				
			Silver	Monthly	24	Operator	Grab				
			Selenium	Monthly	24	Operator	Grab				
			Molybdenum	Monthly	24	Operator	Grab				
			Zinc	Monthly	24	Operator	Grab				
			Hg	Monthly	24	Operator	Grab				
UC12-RAS		Return Activated Sludge	TSS	Daily	260	Operator	H-Comp				
			TVSS	Bi-weekly	104	Operator	H-Comp				
			Arsenic	Monthly	12	Operator	H-Comp				
			Cadmium	Monthly	12	Operator	H-Comp				
			Chromium	Monthly	12	Operator	H-Comp				

			Copper	Monthly	12	Operator	H-Comp				
			Lead	Monthly	12	Operator	H-Comp				
			Nickel	Monthly	12	Operator	H-Comp				
			Silver	Monthly	12	Operator	H-Comp				
			Selenium	Monthly	12	Operator	H-Comp				
			Molybdenum	Monthly	12	Operator	H-Comp				
			Zinc	Monthly	12	Operator	H-Comp				
			Hg	Monthly	12	Operator	H-Comp				
UC12-MLSS		Mixed Liquor	TSS	Daily	260	Operator	T-Comp				
			TVSS	Daily	260	Operator	T-Comp				
			Arsenic	Monthly	12	Operator	T-Comp				
			Cadmium	Monthly	12	Operator	T-Comp				
			Chromium	Monthly	12	Operator	T-Comp				
			Copper	Monthly	12	Operator	T-Comp				
			Lead	Monthly	12	Operator	T-Comp				

			Nickel	Monthly	12	Operator	T-Comp				
			Silver	Monthly	12	Operator	T-Comp				
			Selenium	Monthly	12	Operator	T-Comp				
			Molybdenum	Monthly	12	Operator	T-Comp				
			Zinc	Monthly	12	Operator	T-Comp				
			Hg	Monthly	12	Operator	T-Comp				
UC12-AT (x2)		Mixed Liquor	TSS	1/6 MONTHS	4	Operator	T-Comp				
			NH3-N	1/6 MONTHS	4	Operator	T-Comp				
			NOX	1/6 MONTHS	4	Operator	T-Comp				
			TKN	1/6 MONTHS	4	Operator	T-Comp				
			TP	1/6 MONTHS	4	Operator	T-Comp				
			Arsenic	1/6 MONTHS	4	Operator	T-Comp				
			Cadmium	1/6 MONTHS	4	Operator	T-Comp				
			Chromium	1/6 MONTHS	4	Operator	T-Comp				
			Copper	1/6 MONTHS	4	Operator	T-Comp				

			Lead	1/6 MONTHS	4	Operator	T-Comp				
			LL Mercury	1/6 MONTHS	4	Operator	Grab				
			Molybdenum	1/6 MONTHS	4	Operator	T-Comp				
			Nickel	1/6 MONTHS	4	Operator	T-Comp				
			Selenium	1/6 MONTHS	4	Operator	T-Comp				
			Silver	1/6 MONTHS	4	Operator	T-Comp				
			Zinc	1/6 MONTHS	4	Operator	T-Comp				
			Cyanide	1/6 MONTHS	4	Operator	T-Comp				
			Organics	1/6 MONTHS	4	Operator	Grab				
			Pesticides	1/6 MONTHS	4	Operator	Grab				
UC12-DIG1-DIG4		Digester (x4)	TS	Weekly	208	Operator	Grab				
			TVS	Weekly	208	Operator	Grab				
			TKN	Monthly	24	Operator	Grab				
			NOx	Monthly	24	Operator	Grab				
			TP	Monthly	24	Operator	Grab				

			Arsenic	Monthly	48	Operator	Grab				
			Cadmium	Monthly	48	Operator	Grab				
			Chromium	Monthly	48	Operator	Grab				
			Copper	Monthly	48	Operator	Grab				
			Lead	Monthly	48	Operator	Grab				
			Nickel	Monthly	48	Operator	Grab				
			Silver	Monthly	48	Operator	Grab				
			Selenium	Monthly	48	Operator	Grab				
			Molybdenum	Monthly	48	Operator	Grab				
			Zinc	Monthly	48	Operator	Grab				
			Hg	Monthly	48	Operator	Grab				

STREAM MONITORING

	Winter										
UC12-CA			Temp	Weekly	104	Lab	Grab				
UC12-CB			DO	Weekly	104	Lab	Grab				
			TKN	Monthly	24	Lab	Grab				

			NOx	Monthly	24	Lab	Grab					
			TP	Monthly	24	Lab	Grab					
			HARD	Monthly	8	Lab	Grab					
	Summer											
UC12-CA			Temp	M-W-F	52	Lab	Grab					
UC12-CB			DO	M-W-F	52	Lab	Grab					
			TKN	Monthly	12	Lab	Grab					
			NOx	Monthly	12	Lab	Grab					
			TP	Monthly	12	Lab	Grab					
			HARD	Monthly	4	Lab	Grab					
	Company Name:						Totals					
							:					

End 12 Mile Creek WRF Price Form

Name of Company Submitting: _____

8.2 CROOKED CREEK WRF PRICE FORM

Sample Code	Season	Description	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/ Analysis	Standard TAT Cost/ Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
UCCC-INF		Influent	BOD	DAILY	260	Operator	Q-Comp				
			TSS	DAILY	260	Operator	Q-Comp				
			NH3-N	DAILY	260	Operator	Q-Comp				
			COD	MONTHLY	12	Operator	Q-Comp				
			TKN	MONTHLY	12	Operator	Q-Comp				
			NOx	MONTHLY	12	Operator	Q-Comp				
			TP	MONTHLY	12	Operator	Q-Comp				
			Arsenic	MONTHLY	12	Operator	Q-Comp				
			Cadmium	MONTHLY	12	Operator	Q-Comp				
			Chromium	MONTHLY	12	Operator	Q-Comp				
			Copper	MONTHLY	12	Operator	Q-Comp				

			Lead	MONTHLY	12	Operator	Q-Comp				
			LL Mercury	MONTHLY	12	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Q-Comp				
			Nickel	MONTHLY	12	Operator	Q-Comp				
			Selenium	MONTHLY	12	Operator	Q-Comp				
			Silver	MONTHLY	12	Operator	Q-Comp				
			Zinc	MONTHLY	12	Operator	Q-Comp				
			OIL&GREASE	MONTHLY	12	Operator	Grab				
			Total Petroleum Hydrocarbons SGT-HEM	1/YEAR	1	Operator	Grab				
			ALKINITY	MONTHLY	12	Operator	Q-Comp				
			Cyanide	MONTHLY	12	Operator	Q-Comp				
			Organics	1/6 MONTHS	2	Operator	Grab				
			Pesticides	1/6 MONTHS	2	Operator	Grab				
			Chloride	1/6 MONTHS	2	Operator	Q-Comp				

UCCC-FCE		FCE	TSS	Weekly	52	Operator	T-Comp				
			NH3-N	Weekly	52	Operator	T-Comp				
			TKN	Monthly	12	Operator	T-Comp				
			NOx	Monthly	12	Operator	T-Comp				
			TP	Monthly	12	Operator	T-Comp				
			BOD	WEEKLY	52	Operator	T-Comp				
UCCC-EFF		Effluent	DO	DAILY	260	Lab	Grab				
			pH	DAILY	260	Lab	Grab				
			FECAL	3X/WEEK	156	Lab	Grab				
			BOD	DAILY	260	Operator	Q-Comp				
			TSS	DAILY	260	Operator	Q-Comp				
			NH3-N	DAILY	260	Operator	Q-Comp				
			COD	MONTHLY	12	Operator	Q-Comp				
			TKN	MONTHLY	12	Operator	Q-Comp				
			NOx	MONTHLY	12	Operator	Q-Comp				

			TP	MONTHLY	12	Operator	Q-Comp				
			Arsenic	MONTHLY	12	Operator	Q-Comp				
			Cadmium	MONTHLY	12	Operator	Q-Comp				
			Chromium	MONTHLY	12	Operator	Q-Comp				
			Copper	MONTHLY	12	Operator	Q-Comp				
			Lead	MONTHLY	12	Operator	Q-Comp				
			LL Mercury	MONTHLY	12	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Q-Comp				
			Nickel	MONTHLY	12	Operator	Q-Comp				
			Selenium	MONTHLY	12	Operator	Q-Comp				
			Silver	MONTHLY	12	Operator	Q-Comp				
			Zinc	MONTHLY	12	Operator	Q-Comp				
			Cyanide	MONTHLY	12	Operator	Q-Comp				
			TEMP	Daily	260	Lab	Grab				
			HARD	Monthly	12	Operator	Q-Comp				

			Toxicity	Quarterly	4	Operator	Q-Comp				
			Toxicity	Annually	1	Operator	Q-Comp				
			PPA	Annually	1	Lab	Grab/ Q-Comp				
			Organics	1/6 MONTHS	2	Operator	Grab				
			Pesticides	1/6 MONTHS	2	Operator	Grab				
			Chloride	1/6 MONTHS	2	Operator	Q-Comp				
			Oil & Grease (HEM)	Annually	1	Operator	Grab				
			Petroleum Hydrocarbons (SGT-HEM)	Annually	1	Operator	Grab				
UCCC-RAS		Return Activated	TSS	Weekly	52	Operator	Grab				
		Sludge	TVSS	Weekly	52	Operator	Grab				
			Arsenic	Monthly	12	Operator	Grab				
			Cadmium	Monthly	12	Operator	Grab				
			Chromium	Monthly	12	Operator	Grab				
			Copper	Monthly	12	Operator	Grab				

			Lead	Monthly	12	Operator	Grab				
			Nickel	Monthly	12	Operator	Grab				
			Silver	Monthly	12	Operator	Grab				
			Selenium	Monthly	12	Operator	Grab				
			Molybdenum	Monthly	12	Operator	Grab				
			Zinc	Monthly	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCCC-MLSS		Mixed Liquor	TSS	Weekly	52	Operator	Grab				
			TVSS	Weekly	52	Operator	Grab				
			Arsenic	Monthly	12	Operator	Grab				
			Cadmium	Monthly	12	Operator	Grab				
			Chromium	Monthly	12	Operator	Grab				
			Copper	Monthly	12	Operator	Grab				
			Lead	Monthly	12	Operator	Grab				
			Nickel	Monthly	12	Operator	Grab				

			Silver	Monthly	12	Operator	Grab				
			Selenium	Monthly	12	Operator	Grab				
			Molybdenum	Monthly	12	Operator	Grab				
			Zinc	Monthly	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCCC-AB		Mixed Liquor	TSS	1/6 MONTHS	2	Operator	T-Comp				
			NH3-N	1/6 MONTHS	2	Operator	T-Comp				
			NOX	1/6 MONTHS	2	Operator	T-Comp				
			TKN	1/6 MONTHS	2	Operator	T-Comp				
			TP	1/6 MONTHS	2	Operator	T-Comp				
			Arsenic	1/6 MONTHS	2	Operator	T-Comp				
			Cadmium	1/6 MONTHS	2	Operator	T-Comp				
			Chromium	1/6 MONTHS	2	Operator	T-Comp				
			Copper	1/6 MONTHS	2	Operator	T-Comp				
			Lead	1/6 MONTHS	2	Operator	T-Comp				

			LL Mercury	1/6 MONTHS	2	Operator	Grab				
			Molybdenum	1/6 MONTHS	2	Operator	T-Comp				
			Nickel	1/6 MONTHS	2	Operator	T-Comp				
			Selenium	1/6 MONTHS	2	Operator	T-Comp				
			Silver	1/6 MONTHS	2	Operator	T-Comp				
			Zinc	1/6 MONTHS	2	Operator	T-Comp				
			Cyanide	1/6 MONTHS	2	Operator	T-Comp				
			Organics	1/6 MONTHS	2	Operator	Grab				
			Pesticides	1/6 MONTHS	2	Operator	Grab				
UCCC-DIG		Digester 705	TSS	Weekly	52	Operator	Grab				
			TVSS	Weekly	52	Operator	Grab				
			TKN	Monthly	12	Operator	Grab				
			NOx	Monthly	12	Operator	Grab				
			TP	Monthly	12	Operator	Grab				
			Arsenic	Monthly	12	Operator	Grab				

			Cadmium	Monthly	12	Operator	Grab				
			Chromium	Monthly	12	Operator	Grab				
			Copper	Monthly	12	Operator	Grab				
			Lead	Monthly	12	Operator	Grab				
			Nickel	Monthly	12	Operator	Grab				
			Silver	Monthly	12	Operator	Grab				
			Selenium	Monthly	12	Operator	Grab				
			Molybdenum	Monthly	12	Operator	Grab				
			Zinc	Monthly	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCCC-DECANT		Digester	TSS	Monthly	12	Operator	Grab				
			NH3-N	Monthly	12	Operator	Grab				
			TKN	Monthly	12	Operator	Grab				
			NOx	Monthly	12	Operator	Grab				
			TP	Monthly	12	Operator	Grab				

			BOD	Monthly	12	Operator	Grab				
			Arsenic	Monthly	12	Operator	Grab				
			Cadmium	Monthly	12	Operator	Grab				
			Chromium	Monthly	12	Operator	Grab				
			Copper	Monthly	12	Operator	Grab				
			Lead	Monthly	12	Operator	Grab				
			Nickel	Monthly	12	Operator	Grab				
			Silver	Monthly	12	Operator	Grab				
			Selenium	Monthly	12	Operator	Grab				
			Molybdenum	Monthly	12	Operator	Grab				
			Zinc	Monthly	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
	Company Name:						Totals:				

End Crooked Creek WRF Price Form

Name of Company Submitting: _____

8.3 GRASSY BRANCH WRF PRICE FORM

Sample Code	Season	Description	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/ Analysis	Standard TAT Cost/ Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
UCGB-INF		Influent	BOD	Weekly	52	Operator	Q-Comp				
			TSS	Weekly	52	Operator	Q-Comp				
			NH3-N	Weekly	52	Operator	Q-Comp				
			COD	Monthly	12	Operator	Q-Comp				
			ALKALINITY	Weekly	52	Operator	Q-Comp				
UCGB-EFF		Effluent	Fecal	Weekly	52	Operator	Grab				
			BOD	Weekly	52	Operator	Q-Comp				
			TSS	Weekly	52	Operator	Q-Comp				
			NH3-N	Weekly	52	Operator	Q-Comp				
			ALKALINITY	Weekly	52	Operator	Q-Comp				
			COD	Monthly	12	Operator	Q-Comp				

UCGB-RAS#1		Return Activated	TSS	Weekly	52	Operator	Grab				
		Sludge AB # 1	TVSS	Weekly	52	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				
			Selenium	MONTHLY	12	Operator	Grab				
			Silver	MONTHLY	12	Operator	Grab				
			Zinc	MONTHLY	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCGB-RAS#2		Return Activated Sludge	TSS	Weekly	52	Operator	Grab				

		Sludge AB # 2	TVSS	Weekly	52	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				
			Selenium	MONTHLY	12	Operator	Grab				
			Silver	MONTHLY	12	Operator	Grab				
			Zinc	MONTHLY	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCGB-MLSS#1		Mixed Liquor	TSS	Weekly	52	Operator	Grab				
		AB # 1	TVSS	Weekly	52	Operator	Grab				

			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				
			Selenium	MONTHLY	12	Operator	Grab				
			Silver	MONTHLY	12	Operator	Grab				
			Zinc	MONTHLY	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCGB-MLSS#2		Mixed Liquor	TSS	Weekly	52	Operator	Grab				
		AB # 2	TVSS	Weekly	52	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				

			Cadmium	MONTHLY	12	Operator	Grab					
			Chromium	MONTHLY	12	Operator	Grab					
			Copper	MONTHLY	12	Operator	Grab					
			Lead	MONTHLY	12	Operator	Grab					
			LL Mercury	ANNUALLY	1	Operator	Grab					
			Molybdenum	MONTHLY	12	Operator	Grab					
			Nickel	MONTHLY	12	Operator	Grab					
			Selenium	MONTHLY	12	Operator	Grab					
			Silver	MONTHLY	12	Operator	Grab					
			Zinc	MONTHLY	12	Operator	Grab					
			Hg	Monthly	12	Operator	Grab					
	Company Name:						Totals:					

End Grassy Branch WRF Price Form

Name of Company Submitting: _____

8.4 OLD SYCAMORE WRF PRICE FORM

Sample Code	Season	Description	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/ Analysis	Standard TAT Cost/ Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
UCOS-INF		Influent	BOD	2 X MONTH	24	Operator	Q-Comp				
			TSS	2 X MONTH	24	Operator	Q-Comp				
			NH3-N	2 X MONTH	24	Operator	Q-Comp				
			COD	MONTHLY	12	Operator	Q-Comp				
			TKN	2 X MONTH	24	Operator	Q-Comp				
			NOx	2 X MONTH	24	Operator	Q-Comp				
			TP	2 X MONTH	24	Operator	Q-Comp				
UCOS-EFF		Effluent	Fecal	2 X MONTH	24	Operator	Grab				
			BOD	2 X MONTH	24	Operator	Q-Comp				
			TSS	2 X MONTH	24	Operator	Q-Comp				
			NH3-N	2 X MONTH	24	Operator	Q-Comp				
			COD	MONTHLY	12	Operator	Q-Comp				

			TKN	2 X MONTH	24	Operator	Q-Comp				
			NOx	2 X MONTH	24	Operator	Q-Comp				
			TP	2 X MONTH	24	Operator	Q-Comp				
UCOS-RAS		Return Activated	TSS	2 X MONTH	24	Operator	Grab				
		Sludge	TVSS	2 X MONTH	24	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				
			Selenium	MONTHLY	12	Operator	Grab				
			Silver	MONTHLY	12	Operator	Grab				

			Zinc	MONTHLY	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCOS-MLSS		Mixed Liquor	TSS	2 X MONTH	24	Operator	Grab				
			TVSS	2 X MONTH	24	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				
			Selenium	MONTHLY	12	Operator	Grab				
			Silver	MONTHLY	12	Operator	Grab				
			Zinc	MONTHLY	12	Operator	Grab				

			Hg	Monthly	12	Operator	Grab				
	Company Name:						Totals:				

End Old Sycamore WRF Price Form

Name of Company Submitting: _____

8.5 TALLWOOD WRF PRICE FORM

Sample Code	Season	Description	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/ Analysis	Standard TAT Cost/ Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
UCTW-INF		Influent	BOD	Weekly	52	Operator	Q-Comp				
			TSS	Weekly	52	Operator	Q-Comp				
			NH3-N	Weekly	52	Operator	Q-Comp				
			COD	Weekly	52	Operator	Q-Comp				
			TKN	Quarterly	4	Operator	Q-Comp				
			NOx	Quarterly	4	Operator	Q-Comp				
			TP	Quarterly	4	Operator	Q-Comp				
			Alkalinity	Weekly	52	Operator	Q-Comp				
UCTW-EFF		Effluent	Fecal	Weekly	52	Operator	Grab				
			BOD	Weekly	52	Operator	Q-Comp				
			TSS	Weekly	52	Operator	Q-Comp				
			NH3-N	Weekly	52	Operator	Q-Comp				

			COD	Weekly	52	Operator	Q-Comp				
			TKN	Quarterly	4	Operator	Q-Comp				
			NOx	Quarterly	4	Operator	Q-Comp				
			TP	Quarterly	4	Operator	Q-Comp				
			Alkalinity	Weekly	52	Operator	Q-Comp				
UCTW-RAS		Return Activated	TSS	Weekly	52	Operator	Grab				
		Sludge	TVSS	Weekly	52	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				

			Selenium	MONTHLY	12	Operator	Grab				
			Silver	MONTHLY	12	Operator	Grab				
			Zinc	MONTHLY	12	Operator	Grab				
			Hg	Monthly	12	Operator	Grab				
UCTW-MLSS		Mixed Liquor	TSS	Weekly	52	Operator	Grab				
			TVSS	Weekly	52	Operator	Grab				
			Arsenic	MONTHLY	12	Operator	Grab				
			Cadmium	MONTHLY	12	Operator	Grab				
			Chromium	MONTHLY	12	Operator	Grab				
			Copper	MONTHLY	12	Operator	Grab				
			Lead	MONTHLY	12	Operator	Grab				
			LL Mercury	ANNUALLY	1	Operator	Grab				
			Molybdenum	MONTHLY	12	Operator	Grab				
			Nickel	MONTHLY	12	Operator	Grab				
			Selenium	MONTHLY	12	Operator	Grab				

			Silver	MONTHLY	12	Operator	Grab					
			Zinc	MONTHLY	12	Operator	Grab					
			Hg	Monthly	12	Operator	Grab					
	Company Name:						Totals:					

End Tallwood WRF Price Form

Name of Company Submitting: _____

8.6 YADKIN WATER PRETREATMENT PLANT PRICE FORM

Sample Code	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/ Analysis	Standard TAT Cost/ Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
Yadkin Water Treatment Plant	TOC (raw and finished)	Monthly	24	Operator	Grab				
	THM	Monthly	12	Operator	Grab				
	Cu on discharge	Monthly	12	Operator	Grab				
	HPC (2/mo)	Monthly	24	Operator	Grab				
	Chlorite (3/mo)	Monthly	36	Operator	Grab				
	Aquatic Tox	Quarterly	4	Operator	Grab				
	Metals (with tox)	Quarterly	4	Operator	Grab				
	Total Aluminum (wastewater)	Quarterly	4	Operator	Grab				
	Total Fluoride (wastewater)	Quarterly	4	Operator	Grab				
	Total Copper (wastewater)	Quarterly	4	Operator	Grab				
	Total Arsenic (wastewater)	Quarterly	4	Operator	Grab				
	Total Lead (wastewater)	Quarterly	4	Operator	Grab				
	Total Zinc (wastewater)	Quarterly	4	Operator	Grab				
	Total Phosphorous (wastewater)	Quarterly	4	Operator	Grab				
	Total Nitrogen (wastewater)	Quarterly	4	Operator	Grab				
	Chronic WET Testing (wastewater)	Quarterly	4	Operator	Grab				
	Total Hardness (wastewater)	Quarterly	4	Operator	Grab				

	SOC	Yearly	1	Operator	Grab				
	VOC	Yearly	1	Operator	Grab				
	Inorganics	Yearly	1	Operator	Grab				
	Radiological	Yearly	1	Operator	Grab				
	UCMR	Yearly	1	Operator	Grab				
	Arsenic	Yearly	1	Operator	Grab				
	Company Name				Totals				

End Yadkin Water Treatment Plant Price Form

Name of Company Submitting: _____

8.7 INDUSTRIAL PRETREATMENT PROGRAM PRICE FORM

Sample Code	Season	Description	Analyses	Monitoring Frequency	# Samples /year	Collected By	Sample Type	Standard TAT Price/ Analysis	Standard TAT Cost/ Year	Emergency or Weekend Sampling Price/Analysis	Emergency or Weekend Sampling Cost/Year
LTMP Domestic		6 sites	COD	<i>Bi-Annually</i>	24	IPP	Q-Comp				
		2 days each									
			TSS	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			NH3-N	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Cyanide	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Ag	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			As	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Cd	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Cu	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Cr	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Pb	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Mo	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Ni	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Se	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			Zn	<i>Bi-Annually</i>	24	IPP	Q-Comp				
			LLHg	<i>Bi-Annually</i>	24	IPP	Grab				

CLTW (Firethorne)		4 days each	BOD	Quarterly	16	IPP	Q-Comp				
			TSS	Quarterly	16	IPP	Q-Comp				
			NH3-N	Quarterly	16	IPP	Q-Comp				
CLTW (Marvin)		4 days each	BOD	Quarterly	16	IPP	Q-Comp				
			TSS	Quarterly	16	IPP	Q-Comp				
			NH3-N	Quarterly	16	IPP	Q-Comp				
CLTW (Tatting)		4 days each	BOD	Quarterly	16	IPP	Q-Comp				
			TSS	Quarterly	16	IPP	Q-Comp				
			NH3-N	Quarterly	16	IPP	Q-Comp				
CLTW (Highgate)		4 days each	BOD	Quarterly	16	IPP	Q-Comp				
			TSS	Quarterly	16	IPP	Q-Comp				
			NH3-N	Quarterly	16	IPP	Q-Comp				
CLTW (Joe Kerr)		4 days each	BOD	Quarterly	16	IPP	Q-Comp				
			TSS	Quarterly	16	IPP	Q-Comp				
			NH3-N	Quarterly	16	IPP	Q-Comp				
Investigation		10 Incidents per year*	COD	1/year	10	IPP	Q-Comp				
			NH3-N	1/year	10	IPP	Q-Comp				
			TSS	1/year	10	IPP	Q-Comp				
			Ag	1/year	10	IPP	Q-Comp				

			As	1/year	10	IPP	Q-Comp				
			Cd	1/year	10	IPP	Q-Comp				
			Cu	1/year	10	IPP	Q-Comp				
			Cr	1/year	10	IPP	Q-Comp				
			Pb	1/year	10	IPP	Q-Comp				
			Mo	1/year	10	IPP	Q-Comp				
			Ni	1/year	10	IPP	Q-Comp				
			Se	1/year	10	IPP	Q-Comp				
			Zn	1/year	10	IPP	Q-Comp				
			Hg	1/year	10	IPP	Grab				
			Cyanide	1/year	10	IPP	Q-Comp				
			Organics	1/year	10	IPP	Q-Comp				
			Pesticides	1/year	10	IPP	Q-Comp				
			Chlorides	1/year	10	IPP	Q-Comp				
			HEM	1/year	10	IPP	Grab				
			SGT-HEM	1/year	10	IPP	Grab				
NSIU/SIU		IU Effluent x3	BOD	Quarterly	24	IPP	Q-Comp				
		* Varies per Industry	TSS	Quarterly	24	IPP	Q-Comp				
			NH3-N	Quarterly	24	IPP	Q-Comp				
			COD	Quarterly	24	IPP	Q-Comp				

			TKN	Quarterly	24	IPP	Q-Comp			
			Nox	Quarterly	24	IPP	Q-Comp			
			TP	Quarterly	24	IPP	Q-Comp			
			Ag	Quarterly	24	IPP	Q-Comp			
			As	Quarterly	24	IPP	Q-Comp			
			Cd	Quarterly	24	IPP	Q-Comp			
			Cu	Quarterly	24	IPP	Q-Comp			
			Cr	Quarterly	24	IPP	Q-Comp			
			Pb	Quarterly	24	IPP	Q-Comp			
			Mo	Quarterly	24	IPP	Q-Comp			
			Ni	Quarterly	24	IPP	Q-Comp			
			Se	Quarterly	24	IPP	Q-Comp			
			Zn	Quarterly	24	IPP	Q-Comp			
			Hg	Quarterly	24	IPP	Q-Comp			
			Cyanide	Quarterly	24	IPP	Q-Comp			
			Organics	Quarterly	3	IPP	Q-Comp			
			Pesticides	Quarterly	3	IPP	Q-Comp			
			Chlorides	Quarterly	3	IPP	Q-Comp			
			HEM	Quarterly	24	IPP	Q-Comp			
			SGT-HEM	Quarterly	24	IPP	Q-Comp			

	Company Name		Totals				
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End Industrial Pretreatment Program Price Form

Name of Company Submitting: _____

Question/Answer

- 1. In Section 4.2 where it references that samples shall be collected by the selected laboratory, does that mean the Union County laboratory at that specific location, or does that mean the contracted commercial laboratory that is awarded this bid? It seems that Section 4.1 and Section 4.2 have some conflicting language with regard to sample collection and I just would like to make sure I understand what is needed.**

Answer: The Selected Laboratory language is referencing the lab that is awarded this contract.

- 2. Is the County requesting pricing for the contracted laboratory personnel to actually collect samples in Sections 4.3/4.4; or is the County actually asking for the contracted laboratory to pick up or receive samples collected by the Union County Sampling Personnel as indicated in Section 4.1?**

Answer: Refer to Section A Item 1 listed below, Scope of Work, and other requirements listed in the RFP.

- 3. Is the Routine Cost per Sampling column supposed to be the Price/Analysis + the price to pick up the samples and transport them, or should it be the Price/Analysis + Contracted Lab Sample Collection + transport to the lab?**

Answer: Refer to Section A Item 1.

- 4. Is the Emergency or Weekend Sampling Up & Downstream column the Price/Analysis + the price to pick up the samples and transport them on a weekend/Emergency Situation, or should it be the Price/Analysis + Contracted Lab Personnel Sample Collection on the weekend/Emergency + transport to the lab?**

Answer: Refer to Section A Item 1 listed above and Section A Item 2 listed in RFP.
