



NICHOLAS W. DICKERSON
CONTRACTING OFFICER
5301 W. Cypress St. Tampa, FL 33607
813-341-9101 x 3500
813-367-0760(fax)

Addendum #1

DATE: November 13, 2017

TO: All Prospective Responders

REF: Solicitation: FY17-RFQ-02; Request for Qualifications for Meacham Urban Farms

The Request for Qualifications (RFQ) for the development of Meacham Urban Farms for the Tampa Housing Authority is hereby amended or clarified as set forth below:

The solicitation has been revised to allow for a pre-submittal site visit scheduled for November 16, at 12:00 noon at the site located on the North side of Scott Street, between Central Avenue and Governor Street. With this in mind, we have also extended the date and time for submission of all responses to November 21, 2017 at 2:00 pm.

Please see the follow responses to questions submitted, along with the attached well water sample identification;

-Can we walk the property prior to the RFQ submission deadline?

Response – **Yes on Thursday, November 16, 2017 @ 12:00 noon**

-Has an extensive soil test been completed?

Response – **Yes, see attached**

-Are water and electric utilities available at the site currently and are those utilities installed to be paid by the Farm Operation or will they be paid by THA as part of operations?

Response – **All utilities are the responsibility of the Operator**

-Is there an active well on the property? If not, is there opportunity to install a well?

Response – **Currently there is not an active well on the property. The Operator will need to determine whether or not there is an opportunity for a well**

-Is it guaranteed 5 years of operation before the schools take back the property?

Response – **There is no guarantee that the Urban Farm will be on this property beyond the 5 years that depends on the Hillsborough County Schools planning and funding sources, however currently this property is not on the School Boards 5 year plan.**

All other parts of the RFQ remain the unchanged.

Please complete the attached acknowledgement and return a copy inside your sealed response.

Sincerely,



Nicholas W. Dickerson
Contracting Officer

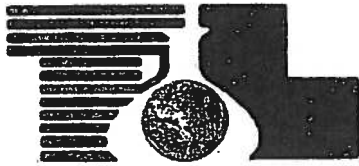
ACKNOWLEDGED:

For: _____
(Company Name)

By: _____

Date: _____

FY17-RFQ-02 Meacham Urban Farm
November 13, 2017



THORNTON LABORATORIES TESTING & INSPECTION SERVICES, INC.

1145 E. Cass St, Tampa, FL 33602
Phone: 813-223-9702 Fax: 813-223-9332
WWW.THORNTONLAB.COM

9-May-2016
Page 1 of 1

Report for: Urban Food Park, Inc.
4215 Miller Dr.
St. Pete Beach, FL 33706-2650
Attn: Derek Spilman

Sample Identification:
Well Water
Id: Chiller Well - Left rear of Plant
Sampled by C. Rathbun of Thornton Labs. on 4/27/16 @ 0915 hrs.
Total Residual Chlorine: < 0.1 mg/L
Proj: Encore
Date Received: 27-Apr-2016
Laboratory Number: 392190

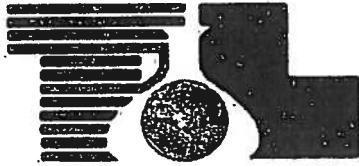
CERTIFICATE OF ANALYSIS

* Analysis performed by City of Clearwater, Public Utilities Lab. [#E54021].

Method	Parameter	Result	Units	Analysis Date / Analyst
EPA 325.3	Chloride (Cl)	129	mg/L	28-Apr-2016 / MP
EPA 200.7	Boron (B)	< 0.1	mg/L	09-May-2016 / DS
	Calcium (Ca)	91	mg/L	09-May-2016 / DS
	Iron (Fe)	0.7	mg/L	09-May-2016 / DS
	Lead (Pb)	< 0.01	mg/L	09-May-2016 / DS
	Magnesium (Mg)	5.7	mg/L	09-May-2016 / DS
	Sodium (Na)	52	mg/L	09-May-2016 / DS
EPA Calc	Total Hardness as CaCO3	251	mg/L	09-May-2016 / HR
EPA 160.1	Total Dissolved Solids	530	mg/L	02-May-2016 / HR
EPA 310.1 *	Alkalinity as CaCO3	161	mg/L	29-Apr-2016 / *
	P-Alkalinity as CaCO3	< 2	mg/L	29-Apr-2016 / *
SM 9223.B	Total Coliform per 100 mL	Absent		27-Apr-2016 / CG
	E. Coli per 100 mL	Absent		27-Apr-2016 / CG
	Date and time started	0427 1010		27-Apr-2016 / CG
EPA 150.1	pH Value	7.52		28-Apr-2016 / *

THORNTON LABORATORIES
Steve Fickett, III

Thornton Laboratories Testing & Inspection Services, Inc. responsibility for the above analysis, opinions, or interpretations is limited to the invoice amount.



THORNTON LABORATORIES TESTING & INSPECTION SERVICES, INC.

1145 E. Cass St, Tampa, FL 33602
Phone: 813-223-9702 Fax: 813-223-9332
WWW.THORNTONLAB.COM

9-May-2016
Page 1 of 1

Report for: Urban Food Park, Inc.
4215 Miller Dr.
St. Pete Beach, FL 33706-2650
Attn: Derek Spilman

Sample Identification:

Well Water

Id: Irrigation Well - Right front of Plant
Sampled by C. Rathbun of Thornton Labs. on 4/27/16 @ 0925 hrs.
Total Residual Chlorine: < 0.1 mg/L
Proj: Encore
Date Received: 27-Apr-2016
Laboratory Number: 392191

CERTIFICATE OF ANALYSIS

* Analysis performed by City of Clearwater, Public Utilities Lab. [#E54021].

Method	Parameter	Result	Units	Analysis Date / Analyst
EPA 325.3	Chloride (Cl)	61	mg/L	28-Apr-2016 / MP
EPA 200.7	Boron (B)	< 0.1	mg/L	09-May-2016 / DS
	Calcium (Ca)	99	mg/L	09-May-2016 / DS
	Iron (Fe)	0.6	mg/L	09-May-2016 / DS
	Lead (Pb)	< 0.01	mg/L	09-May-2016 / DS
	Magnesium (Mg)	5.0	mg/L	09-May-2016 / DS
	Sodium (Na)	24	mg/L	09-May-2016 / DS
EPA Calc	Total Hardness as CaCO ₃	268	mg/L	09-May-2016 / HR
EPA 160.1	Total Dissolved Solids	380	mg/L	02-May-2016 / HR
EPA 310.1 *	Alkalinity as CaCO ₃	224	mg/L	29-Apr-2016 / *
	P-Alkalinity as CaCO ₃	< 2	mg/L	29-Apr-2016 / *
SM 9223.B	Total Coliform per 100 mL	Absent		27-Apr-2016 / CG
	E. Coli per 100 mL	Absent		27-Apr-2016 / CG
	Date and time started	0427 1015		27-Apr-2016 / CG
EPA 150.1	pH Value	7.73		28-Apr-2016 / *

THORNTON LABORATORIES
Steve Fickett, III

Thornton Laboratories Testing & Inspection Services, Inc. responsibility for the above analysis, opinions, or interpretations is limited to the invoice amount.



**THORNTON LABORATORIES
TESTING & INSPECTION SERVICES, INC.**

1145 East Cass Street, Tampa, Florida 33602
P.O. Box 2880, Tampa, Florida 33601-2880

PROJECT NUMBER: URBAN FOOD PROJECT NAME & ADDRESS: PARK, INC @ ENCORE

SAMPLERS (Signature): Claude Kattber

LAB USE ONLY LAB NUMBER	DATE	TIME	TOTAL RESIDUAL CHLORINE	COLL METHOD	SAMPLE MATRIX	STATION LOCATION / DESCRIPTION	NUMBER OF CONTAINERS	CHAIN OF CUSTODY RECORD
392190	4/27/16	0915	2.1	GRAB	GW	CHILLER well - LEFT SIDE OF PLANT	3	SEE ATTACHED KIT SHEET, BOTTLE LEGEND AND VERIFICATION FORMS FOR
392191	4/27/16	0925	5.1	GRAB	GW	IRRIGATION well - RIGHT FRONT OF PLANT	3	ANALYSES / CONTAINERS AND PRESERVATIVES
								BACT COMMENTS
								W-Tc mug metals
								W-CA / W-MG / W-TA
								W-FE / W-NA / W-B
								W-PB / W-Digest
								S m
								W-CL / W-TDS / W-PH
								W-ALK / W-ALK / CALC

ASampling Methods abbreviations: Grab (G), Composite (C), Equipment Blank (EB)
ASample Matrix abbreviations: Groundwater (GW), Surface Water (SW), Marine Water (MW), Drinking Water (DW), Sludge (Slg), Soil, Waste (W), Domestic Effluent (Dom Eff), Industrial Effluent (Ind Eff), Influent (Inf)

Kit prepared and relinquished by: C. Kattber

Date/Time: 4/27/16

Date/Time: Relinquished by:

Date/Time: Common Carrier:

Received by:

Date/Time:

Company Name: Relinquished by:

Date/Time: Company Name: Received by:

Company Name:

Date/Time:

Company Name: Received in the Laboratory by: CL Kattber

Date/Time: Company Name:

Company Name:

Date/Time:

Company Name: Relinquished by: CL Kattber

Date/Time: Company Name:

NOTE: PLEASE RETURN THIS CHAIN OF CUSTODY WITH SAMPLES!



QUALITATIVE ASSAY

Client Emmanuel Roux
Address 2519 Driftwood RD St. Petersburg FL 33705
Urban Food Park

Sample ID _____
Phone/email 727.251.1879 emroux1@gmail.com

Sample Type Soil
Intended Crop Mixed Vegetables

Sample Date 4/19/16
Test Date 4/27-29/16

BACTERIA

Desired level 1500-3000

Number / field of view 2150

Diversity Moderate

Activity High

Notes The numbers of bacteria are at a moderate level with moderate diversity and at a high activity level. This level of bacteria will hold a lot of nutrients, nitrogen particularly, in the rhizosphere without being susceptible to leaching. Several Species of Cocci and Bacilli were observed.

FUNGI

Desired level 50%+

Fungi present / 20 fields of view 40%

Diversity High

Average Hyphal Diameter 1.68 μm

Desired level 3.00+ μm

Notes This level of beneficial fungi is in good balance with the bacteria. It will be helpful to promote the growth of fungi throughout the year with the addition of fungal foods to the soil and foliage. This approach should maintain the fungal biomass while boosting the hyphal diameters into the 3.00-4.00 μm range.

PROTOZOA

Desired level 40-80

Number / 20 fields of view 22

Flagellates 8

Amoebae 0

Ciliates 14

Notes The protozoa level is low. There should be more than 40 flagellates, amoebae, and ciliates. Boosting the bacterial numbers and diversity with compost and/or compost tea should activate this area of the soil foodweb and help ensure efficient nutrient cycling.

NEMATODES

Desired level 3+ beneficials

Number / 20 fields of view 0

Bacterial feeders 0

Fungal feeders 0

Root feeders 0

Predatory Nematodes 0

Notes The fact that no nematodes were observed does not necessarily indicate a problem. More extensive testing can result in a true picture of this part of the soil foodweb. Beneficial bacteria and fungi feeding nematodes can greatly aid in efficient nutrient cycling for the plants. Their numbers can easily be increased with the addition of vermicompost or compost teas made with vermicompost.

There is a decent balance between the fungi and the bacteria. However, the protozoa and the nematode populations are low in this soil. These areas are the primary nutrient cyclers, that is they eat the fungi/bacteria and excrete excess nutrients in a plant soluble form in the rhizosphere. Both of these areas can be inoculated with quality composts/vermicomposts and/or teas/extracts made from quality composts/vermicomposts. Also additions of microbial foods, such as fish, kelp and molasses, to the soil and foliage can boost the soil food web. Maintaining a layer of fibrous, or woody, mulch on the surface of the soil can also provide a nice refuge for beneficial soil fungi.



Crop Services International, Inc.

7700 S Sprinkle Rd
 Portage, MI 49002
 800.260.7933 616.246.7933
 Fax: 616.246.6039
 team@cropservicesintl.com
 joe@cropservicesintl.com
 www.cropservicesintl.com

Soil Testing. Quality. Integrity. Precision.

Grower **Emmanuel Roux**
 Field ID **Urban FoodPark**
 Crop **mixed vegetables**
 Area **2 acres**

Test Date		Base Saturation					
5/2/16		Targets:					
pH	CEC	Humus %	Ca%	Mg%	K%	Na%	Other%
6.7	11.2	1.0%	84.6%	4.4%	0.54%	1.29%	4.7%
							H%
							4.5%

! Zinc may be toxic above 200 lbs/acre

CEC test results (Mehlich 3) and Targets in lbs/acre										
572	2992	348	348	103	116	4	150	100	10	35
P ₂ O ₅	Ca	Mg	K	Na	S	Al	B	Fe	Mn	Zn
Phosphate	Calcium	Magnesium	Potassium	Sodium	Sulfur	Aluminum	Boron	Iron	Manganese	Copper
575	3778	117	47	66	76	2060	0.68	138	10	12.48
										359.00

Saturated Paste Test results and Targets in ppm																					
Targets:		6.0-6.3	<80	<1200	<80	5-6	3-4	20-40	4-8	10-12	<5	60%	20%	12%	<5%	.05-.1	.5-1.5	.07-.1	.05-.08	.07-.15	<1.5
pH	Cl	salts	Bicarb	Sulfur	Phos	Ca	Mg	K	Na	Ca%	Mg%	K%	Na%	B	Fe	Mn	Cu	Zn	Al		
6.7	8	151	95	21.8	0.03	42.2	2.1	2.5	0.3	89.4	7.3	2.8	0.5	.03	.13	<.02	<.02	<.02	<.02	.61	
high	good	good	high	high	low	high	low	low	good					low	low	low	low	low	low	low	

LaMotte Tests lbs/acre					
200-400	2000-5600	200-400	200-400	30-70	800-1200
P ₂ O ₅	Ca	Mg	K	Na	ERGS
Phosphate	Calcium	Magnesium	Potassium	Sodium	Nitrate
					Ammonium

Optional Tests ppm					
1-2 ppm	1-2 ppm	1-2 ppm	1-2 ppm	35-45 ppm	5-12%
Co	Mo	Ni	Se	Si	C
Cobalt	Molybdenum	Nickel	Selenium	Silicon	Carbon%

Living Soil is a Nation's Strength

CSI Soil Test Recommendations



Date: May 2, 2016
 Grower: Emmanuel Roux
 Field ID: Urban Food Park
 Crop: mixed vegetables

Operator: Joe
 Area: 2 acres
 Sustainable

All amounts below are "per 1000 ft²"

Dry Treatment					Liquid Treatment				
	Broadcast	Side Dress	Foliar	source		Broadcast	Side Dress	Foliar	source
1	Hi-Calcium Lime 0-0-2-39Ca			local	22	Cane Sugar dry			local
2	Gypsum - pellets or raw			CSI/loc	23	Water Mineral fulvic acid			CSI
3	Tn Brn Phos 22P ₂ O ₅ -39Ca			CSI	24	Apple Cider Vinegar			local
4	Ida Phos			CSI	25	Bioplin fixes N from air		1 tsp	CSI
5	KS Plus 0-0-8-24S-1Fe			CSI	26	NutriTech soil P releaser		1 tsp	CSI
6	0-0-50 (potassium sulfate)	5 lbs		CSI/loc	27	NutriFoliar fixes leaf N from air		1 tsp	CSI
7	K Mag 0-0-22-11Mg-22S	20 lbs		CSI/loc	28	COMPLETE 5-2-5-2Ca-2S	1 tbsp	2 tsp	1 tsp
8	Elemental Sulfur 90%			local	29	SeaStar 4-2-5-4Ca-2S-1Mg			CSI
9	Epsom Salts 9Mg-14S			local	30	Growth Plus 4-2-5-4Ca-2S-1Mg			CSI
10	Amm Sulfate 21-0-0-24S			CSI/loc	31	Bloom Plus 0-1-4-6Ca-2S			CSI
11	Humate Dry 70%			CSI	32	Jackpot Plus 0-4-8-10Ca-2S-1Mg			CSI
12	Mineral/Sea Salt			local	33	Soil Infusion 3-1-3-2S-1Ca			CSI
13	Boron Solubor 17% Borax 11%	7 oz		local	34	Crop Recycle residues			CSI
14	Copper Sulfate 30Cu-12S			local	35	Ultra Humates 65% Humic 35%C			CSI
15	Iron Sulfate 20Fe-18S	1 lb		local	36	K-35 0-0-35-6S-4Ca-1Mg	1 tbsp	2 tsp	1 tsp
16	Manganese Sulf 25Mn-19S	5 lbs		local	37	K-22 0-0-23-6S-4Ca-1Mg liq			
17	Zinc Sulfate 35Zn-17S			local	38	Phos Cal 30 0-14-0-16Ca			CSI
					39	Premium Cal 33 0-0-1-33Ca liq			CSI
	Liquid Treatment	Broadcast	Side Dress	Foliar	source				
18	Organo Fish protein N	7 oz	3 oz	2 oz	CSI	40	Companion fungicide OMRI		CSI
19	SeaCrop16 seaweed/kelp				CSI	41	Surfactant/ Wetting Agent		local
20	Soluble Kelp	1 tsp	1 tsp	1 tsp	CSI	42	Instant Compost Tea		CSI
21	Molasses liquid	7 oz	3 oz	2 oz	local	43	Prem Seed Treat 1-1-3-1Ca-1S	yes	CSI

There is an over-abundance of Calcium here and not much Potassium or Magnesium. The Potassium Sulfate and KMag will do the most to improve the mineral balance. I would suggest being liberal with compost applications. Compost will provide a good measure of Potassium, but, more importantly, will add billions of working soil microbes to aid in nutrient cycling, and it will add needed organic matter. You have a problem with too much Zinc. There may have been soil contamination from a paint spill. Too much Zinc can disrupt the uptake of other minerals including Iron and Manganese, which levels are low already. The amounts above may be added safely this season, but will probably need additional amounts of Boron next spring. The liquid broadcast treatments are designed to feed and stimulate the soil and foliar biology to keep the nutrients flowing to your vegetables. Bioplin (for the soil) and NutriFoliar (for the foliage) will improve Nitrogen availability with its N-fixing bacteria. NutriTech will aid the uptake of Phosphorus.

Broadcast (dry) Lines: 6, 7, 13, 15, 16	Mix and spread/lightly incorporate
Broadcast (liquid) Lines: 18, 20, 21, 28, 36	Early liquid soil drench to the garden
Side Dress (liquid) Lines: 18, 20, 21, 25, 26, 28, 36	
Drench the root zone once the plants have their first true leaves or the transplants have rooted and grown new leaves	
Foliar (liquid) Lines: 18, 20, 21, 27, 28, 36	Foliar feed every three weeks
Seed/Transplant Treatment: 43 Dust seeds or rootballs at planting	Fall Residue Incorporate:

CSI Recommendations:

CSI recommendations are for soil mineral balancing and biological activation.

A balanced soil will grow any crop. The biological products we recommend can be broadcast, banded, in-row, on the seed, or foliar. Always apply at lesser amounts when using directly on the seed or as a foliar.

CSI recommends using fish and azotobacter bacteria for nitrogen whenever possible.

Humus releases N as follows:

Mixing Do's & Don'ts: Read product technical sheets!

Do: Mix Boron with humic or fulvic acid, as found in several CSI products, to keep from leaching.

Don't: Mix liquid Calcium with liquid Phosphates or Sulfates - You won't like the mess

Most elevators/suppliers will blend dry fertilizers and dry trace minerals together for their customers, OR blend dry trace minerals with a carrier such as pelletized gypsum for easier spreading. Spread dry materials after moldboard plowing. Most dry materials work best if worked lightly into the soil.

Broadcast liquid programs work best at 20 - 35 gallons total liquid per acre. Fill tank 2/3 full of water (lower pH to 6 or below if using products subject to alkaline hydrolysis). Add each liquid and mix well before adding the next ingredient. Top off with water and mix.

Foliar programs should be applied in mornings up to 11:00 AM or later afternoons when temperatures are cooler. IF temperature remains above 80° F, even at night, foliar spray in early morning hours before dawn. Note: a basic foliar spray is 1 - 2 qts/acre fish and 1 pint seaweed.

The grower requesting CSI's recommendations retains full responsibility for the monitoring and observing of crops involved on no less than a weekly basis. For optimal results CSI recommends taking pH, ERGS and Brix readings on all crops, especially high value crops, on a bi-weekly basis. Notify CSI immediately if any signs of unsatisfactory growth, condition or color appears and take immediate actions necessary to preserve your crop.

The analysis and methods used to determine these recommendations is considered experimental and the use of said recommendations is the user's choice. Due to the variable and unpredictable nature of biological reactions, no claims or guarantees are made. This report is for the exclusive use of the client to whom it is addressed. **THE COMPANY EXTENDS NO GUARANTEE, OR EXPRESS WARRANTY OR IMPLIED WARRANTY, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE LIMIT OF THE LIABILITY OF CSI, INC. FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OF THESE SERVICES, INCLUDING LOSSES CAUSED BY CSI, INC. NEGLIGENCE SHALL BE THE FEES PAID BY THE USER OR BUYER FOR THE SERVICES INVOLVED.** In no case shall CSI, Inc. be liable for lost profits or any consequential, incidental, special or indirect damages resulting from the use of the data provided. The buyer and all users are deemed to have accepted the terms of this notice which may not be varied by any verbal or written agreement. These recommendations can be severely compromised if any nutritional materials are added that have not been checked for compatibility to crop, soil or other products being used. Severe weather conditions such as heavy rains or drought can alter the situation between the time of testing and time of applying and may necessitate the changing of these recommendations.