CITY OF MEMPHIS

REQUEST FOR PROPOSAL

#52099

Organic Processing Services

Addendum #1

Section 5.2 Update and Questions & Answers are included in this addendum.

SECTION 5.2 EVALUATION OF QUALIFYING PROPOSALS

This Section is deleted in its entirety and replaced with the following.

5.2 EVALUATION OF QUALIFYING PROPOSALS

An evaluation team composed of representatives of the City will evaluate proposals on a variety of quantitative and qualitative criteria. Upon receipt of proposals, the City will review to determine whether the proposal is acceptable or non-acceptable based on the criteria outlined below.

The criteria, and their associated weights, upon which the evaluation of the proposals will be based on the following:

1. **Experience, Background, Qualifications (35%).**

    a) Respondent is an established business with long-term operational experience.
    b) Respondent has facilitated and completed multiple contracts at numerous geographic locations over the course of its history.
    c) Contracts were managed and completed within expected time parameters.
    d) Contracts were kept within contractually established budget.
    e) Respondent possesses the financial ability to manage a project of the size detailed in the Scope of Work.
    f) Respondent possesses the resources, including equipment and personnel, to support a project of the size detailed in the Scope of Work. 5. Respondent possesses a history of consistent performance and fulfillment of contract requirements.
    g) Respondent's safety history including type, amount, and response to safety concerns will be considered.
    h) Respondent's corporate history of environmental sustainability will be considered.

2. **Proposed Plan (35%)**

    a) Respondent possesses the resources to process a similar volume of material detailed in the Scope of Work.
        a. Traffic in/out of location is minimized.
        b. Vehicle queuing and disposal time is minimized and prioritizes City vehicles.
    b) Respondent's contamination plan will be considered, including:
        a. Maximizing the amount of acceptable loads of material and minimizing rejected loads.
        b. Amount and type of resources dedicated to removing contamination.
        c. Length of processing time to remove contaminants.
        d. Disposal plan for contaminated material.
            i. Cost to dispose of rejected material.
            ii. Disposal time from initial sort to outbound transport.
    c) Respondent's composting process will be considered, including:
        a. Length of compost processing time.
        b. Compost storage method and time.

d) Respondent possesses a detailed safety and training plan along with a contingency plan that complies with OSHA regulations.
e) Respondent possesses a detailed environmental sustainability plan to reduce carbon emissions and greenhouse gasses during operations on-site.
f) Respondent has developed a detailed sales plan for end material.
    a. Respondent has identified markets and customers for compost/end material purchasing.

3. **Price (30%)**

Questions & Answers

Except to remove vendor names and addresses, questions are provided exactly as submitted.

#		Section	Question / Answer
1	Q	3.3 Proposed Plan	Does the current surface comply with Tier 3 design permitting standards?
1	A		*The current surface meets the standard for a Tier 2 facility. The City cannot confirm the current surface complies with the Tier 3 standard.*
2	Q	1.3 Background	Can you confirm the existing pads on all 18 acres meet requirements of 10^{-6} cm/sec in the first 5 feet?
2	A		*The current surface meets the standard for a Tier 2 facility. The City cannot confirm the current surface complies with the Tier 3 standard.*
3	Q	3.3 Proposed Plan	Can you confirm that the future Tier 3 biosolids composting facility can drain to the Maxson Wastewater Treatment Plant (WWTP)? Does the Composting Facility stormwater and contact water runoff currently drain to the Maxson WWTP?
3	A		*The future Tier 3 facility will be allowed to discharge to the Maxson Wastewater Treatment Plant. As currently designed, the facility drains by surface flow toward the south and east that may not be captured by the WWTP.*
4	Q	3.3 Proposed Plan	What are the connections points where the stormwater and contact water runoff from the Composting Facility tie (or could tie) into the Maxson WWTP sewer system?
4	A		*The existing concrete pad for the composting operations was constructed to drain to the east/southeast. Existing runoff goes through the fence in this southeastern area. This runoff is intercepted in an existing drainage ditch for the Maxson Wastewater Treatment Facility which drains to the existing sewer system. This surface runoff could be modified to be hard piped to the existing ditch if the respondent chose to do so.*
5	Q	3.3 Proposed Plan	Can you confirm the Maxon WWTP is okay to accept stormwater and contact water runoff from the proposed biosolids composting operation?
5	A		*Yes, with appropriate notification/permitting to City of Memphis Public Works Division.*
6	Q	3.3 Proposed Plan	Can you provide geotechnical information on the site? If not, is it acceptable for us to perform a limited investigation?
6	A		*Geotechnical information is not available. There may be limited information available from the Tennessee Department of Environment and Conservation regarding nearby Earth Complex Class I sanitary landfill permit*

			#SNL790000259. Access will be granted for limited investigation if requested.
7	Q	3.3 Proposed Plan	Are adjacent City-owned parcels available to expand the site? Could they be used for scale house, stormwater BMPs, and/or additional storage
7	A		*Adjacent parcels owned by City of Memphis may be available for expansion at the City's discretion.*
8	Q	2.1 Services	Who will be responsible for the existing material on site?
8	A		*Existing material on-site will be managed by the vendor awarded this contract.*
9	Q	1.3 Background	Is there any land available for expansion of the facility?
9	A		*Adjacent parcels owned by City of Memphis may be available for expansion at the City's discretion.*
10	Q	1.3 Background	Can the current facility permit be made available?
10	A		*This information is available from the Tennessee Department of Environment and Conservation. Reference Earth Complex City of Memphis Composting Facility permit #CMP790000011.*
11	Q	1.3 Background	Is there future potential for The City to put a ban on plastic bags for yard waste collection?
11	A		*If a ban were to be implemented, this would likely be done by ordinance at the will of Memphis City Council. The Division is unaware of any consideration at this time.*
12	Q	1.3 Background	Is there any analytical of the biosolids available? If so, please share a representative analysis of what would be expected to be accepted at the composting facility.
12	A		*See attached analytical results for Maxon WWTP biosolids.*
13	Q	2.1 Services	Has The City had any communication with TDEC regarding the potential of becoming a permitted Tier 3 facility?
13	A		*Yes.*
14	Q	2.1 Services	Would The City allow a contractor to perform any composting operations under roof?
14	A		*Yes.*
15	Q	2.2 (#4A) Operations	Is the compost currently generated being sold? If so, please share sales volumes and revenues by month for the last 3 years.
15	A		*No.*

Maxson Biosolids Snapshot Nov 2020

Maxson

Metals Are Dry Weight Basis																		
	Arsenic	Cadmium	Chromium	Copper	Fecal Coliform	Iron	Lead	Mercury	Molybdenum	Nickel	Selenium	Sulfur	Zinc	%TS	Ammonia-Nitrogen	Nitrate-Nitrite	Phosphorus	TKN	Postassium
Aug-18	8.93	1.81	51.9	420			38	0.461	36	42.5	8.88		1,070		NONE				
Sep-18	7.98	1.88	43.9	400			32.6	0.611	37.3	41.1	10.1		1,050	19.8	5,860	<5.05	21,300	47,600	
Oct-18	9.44	1.75	46.2	434			32.9	0.541	40	43.3	11.2		1,230	17.7	6,160	357	19,200	24,400	
Nov-18	8.78	1.71	52.1	429			40.5	0.545	38.9	45	10.8		1,300	11.5	8,520	<8.70	22,000	52,300	
Dec-18	9.29	1.21	34	341			25.1	0.277	30.7	39.2	8.71		929	15.5	6,650	<6.45	16,900	67,700	
Jan-19	6.96	1.6	50	431			31.8	0.63	38.3	41.4	11.2		1,160	18.1	7,240	<5.52	20,200	35,900	
Feb-19	9.79	1.22	39.4	298			23.7	1.26	27.6	40.1	7.03		834	14.5	8,340	<6.9	16,500	39,600	
Mar-19	9.53	1.04	29.8	283			22.8	0.548	25	40.2	7.45		803	12.7	9,840	<7.87	15,700	64,800	
Apr-19	13.6	0.938	27.6	255			20.1	0.378	21.5	39.8	8.62		746	13	9,460	<7.69	16,300	67,900	
May-19	12.4	1.16	35.4	317			25	0.311	26.9	44.9	8.46		941	16.9	9,230	<5.92	17,600	43,900	
Jun-19	11.8	1.35	43.8	367			31.1	0.53	30.7	49.1	9.26		1,070	13.6	11,500	<7.35	21,700	32,700	
Jul-19	13.9	1.55	39.1	354			27.4	0.402	25.7	46.8	8.99		993	13.8	9,860	<7.25	22,600	40,000	
Aug-19	9.94	1.2	38.5	331			24.6	0.457	32.5	37.2	7.22		935	16.9	7,460	<5.92	16,900	25,600	
Sep-19	10.2	1.29	40.5	353			27.2	0.47	31	43.4	8.64		995	19.9	7,840	<5.03	20,300	31,900	
Oct-19	10.7	1.51	46.2	398			32.6	0.595	35.9	46.8	9.51		1,140	18.5	10,700	<5.41	20,900	23,100	
Nov-19	11.4	1.67	48.6	385			31.8	0.281	39.4	46.4	10		1,080	18	5,940	<5.56	19,300	42,900	
Dec-19	7.43	0.991	32.3	286			21.8	0.177	31.3	33.3	7.52		863	10.9	7,700	<9.17	16,500	64,900	
Jan-20	6.4	0.697	26.1	260			19.8	0.282	26.9	28.9	3.85		684	15.2	6,840	<6.58	12,300	59,400	
Feb-20	6.27	1.11	38.9	257			21.8	0.287	26.1	31.4	5.56		770	16.1	3,010	<6.21	13,400	51,900	
Mar-20	9.08	1.16	39.7	286		17,200	23.7	0.316	27	33.4	6.09	14,400	850	15.3	7,190	<6.54	14,400	47,800	
Apr-20	8.63	1.1	33.2	266		NA	22.7	0.5	24.7	32.3	6.17	NA	770	13.9	6,760	<7.19	13,500	46,500	
May-20	10.4	1.06	32.9	280		14,800	22.6	0.318	25.1	39.6	6.06	13,400	850	16	6,810	<6.25	13,300	33,900	
Jun-20	10	1.1	33.9	282		14,600	21.6	0.402	26	39.5	6.55	14,000	820	20.6	6,550	<4.85	12,900	17,800	
Jul-20	11.3	4.75	121	567	<7500	36,500	113	0.925	33.9	58.8	8.42	19,600	1,210	24	5,170	<4.17	25,300	9,040	
Aug-20	9.82	3.02	81.9	382		35,900	61	1.1	30.4	52.9	8.24	16,300	1,080	21	7,290	<4.76	23,100	21,600	
Sep-20	9.71	1.66	51.9	366	67,300	22,300	30.5	0.995	32.6	43.1	7.69	16,700	1,120	20.8	6,540	<4.81	18,300	43,800	
Oct-20	8.34	2.15	69.1	392	24,900	33,100	36.9	0.406	34	50.2	5.4	19,000	1,180	18.1	7,400	<5.52	22,100	54,400	
Nov-20	11.4	1.59	48.9	388	3,000,000	21,600	31.9	0.65	35.3	45.2	6.89	16,700	1,110	18	7,780	<5.56	21,500	60,000	

Maxson Biosolids Snapshot Nov 2020

Stiles

Metals Are Dry Weight Basis																		
	Arsenic	Cadmium	Chro-mium	Copper	Fecal Coliform	Iron	Lead	Mercury	Molyb-denum	Nickel	Selenium	Sulfur	Zinc	%TS	Ammonia-Nitrogen	Nitrate-Nitrite	Phosphorus	TKN
Aug-18	6.8	1.17	42.8	415.0			28.0	0.64	6.34	83.2	<3.36		893.0	14.9	NONE			
Sep-18	NONE																	
Oct-18	6.87	1.44	44.5	418			33.8	0.636	7.69	86.4	<3.40		959	14.7	5490	<6.80	12,000	51,200
Nov-18	6.94	1.28	39.7	417			32	0.462	8.57	78.2	<3.76		985	13.3	7370	528	12,500	48,900
Dec-18	6.04	1.05	32.7	340			22.5	0.64	6.61	70.4	<3.68		743	13.6	6460	<7.35	12,000	41,000
Jan-19	4.29	0.964	32	330			23.1	0.461	6.32	65	<3.57		757	14	7430	9.93	11,900	67,800
Feb-19	6.35	1.1	36.5	356			21.7	0.592	6.42	69.1	<3.94		835	12.7	6360	<7.87	13,500	51,700
Mar-19	5.57	1.03	35.9	326			25.7	0.432	5.95	68.9	<3.38		784	14.8	6050	<6.76	11,800	42,000
Apr-19	6.89	1.19	42.4	364			26.7	0.451	6.92	71.3	<3.50		839	14.3	5470	<6.99	10,900	39,900
May-19	5.76	1.03	36	314			22.8	0.768	5.9	66.7	<2.98		720	16.8	863	<5.95	9,170	45,700
Jun-19	10.2	1.19	50.5	390			31.1	0.651	6.45	90.4	3.72		952	16.6	5110	15.5	10,700	43,900
Jul-19	12.3	1.22	46	404			29.9	0.622	6.57	86	3.53		930	17.2	5570	<5.81	10,500	33,500
Aug-19	7	1.08	46.1	458			28.1	0.595	6.62	75.2	2.9		819	21	3820	<4.76	8,380	15,300
Sep-19	9.23	1.26	43.9	493			29.7	0.651	7.99	84.2	2.4		947	20.9	5070	<4.78	9,810	37,700
Oct-19	6.17	1.08	44.5	393			23.5	0.865	7.77	78.4	3.45		858	14.8	6650	7.43	14,600	40,600
Nov-19	7.08	0.994	41.9	444			27.1	0.784	7.25	73.1	3.84		830	17.1	1230	267	10,300	28,700
Dec-19	5.41	0.874	37.6	383			22.6	0.423	6.82	70.2	<3.31		788	15.1	6690	<6.62	12,600	50,500
Jan-20	6.24	0.794	37	364			21.9	0.227	6.24	63	<3.03		727	16.5	4980	<6.06	11,300	57,000
Feb-20	6.1	0.974	41.1	392			26.7	0.81	6.99	71.2	<3.27		765	15.3	5610	<6.54	11900	11,400
Mar-20	8.05	0.902	39	425		15,700	37.2	0.547	6.59	<69.5	<3.05	14,900	756	16.4	4980	<6.1	11,100	38,400
Apr-20	7.88	1	45.1	372			33.3	0.548	6.18	78.8	<3.03		764	16.5	5590	<6.06	12,000	57,700
May-20	8.81	0.963	40.8	392		17,500	31.4	0.524	6.18	70	<3.13	14,800	769	16	5740	<6.25	10,900	25,800
Jun-20	8.06	0.958	39.8	330		16,700	29.6	0.897	6.18	72.1	<3.03	13,200	667	16.5	5790	<6.06	10,100	9,580
Jul-20	8.29	1.11	47.8	416	26,500	18,600	30.4	1.59	6.59	84.7	<2.94	15,400	818	17	6530	<5.83	11,700	31,300
Aug-20	9.33	1.26	51.6	500	NA	20800	41.8	1.45	7.93	93.9	<3.05	17700	939	16.4	6650	<6.10	13900	13500
Sep-20	10.1	1.2	56.9	465	<10700	20700	46.3	1.04	8.34	92.9	<3.24	17000	905	16.9	6980	<5.92	13400	40100
Oct-20	9.12	1.01	47.3	430	<11300	18000	36.7	0.667	7.23	78	<3.14	15800	874	15.9	6860	<6.29	12700	24700
Nov-20																		

1/19/2021