

ADDENDUM No. 1

RFP No. 962

Land Application of Municipal Wastewater Biosolids

Due: February 26, 2016 at 2:00 P.M. (local time)

The following adjustments shall be made to the Request for Proposal for Land Application of Municipal Wastewater Biosolids RFP No. 962 on which proposals will be received on/or before February 26, 2016 at 2:00 P.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 10 page(s).**

Offeror is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum will be considered nonconforming.

The following forms provided within the RFP Document must be included in submitted proposal:

- Attachment A & B - The signature page and legal status of Respondent
- Attachment C - City of Ann Arbor Non-Discrimination Declaration of Compliance
- Attachment D - City of Ann Arbor Living Wage Declaration of Compliance
- Attachment E - Vendor Conflict of Interest Disclosure Form

Proposals that fail to provide these completed forms listed above upon proposal opening will be deemed non-responsive and will not be considered for award.

I. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Q1: What is current price?

A1: Current price is \$0.0321/gallon.

Q2: Will The City provide typical analytical results (nutrients & pollutants) of the biosolids hauled to land?

A2: See attached data for last season and Analytical Laboratory Report for most recent sampling event data.

Q3: What is the typical %solids or range of %solids of biosolids hauled to land.

A3: See attached data for last season and Analytical Laboratory Report for most recent sampling event data.

- Q4: Bidder assumes that if a change in Federal, State, or Local law or ordinance occurs during the term of this contract that the Bidder and City will negotiate a price modification to account for additional costs to perform the work. Is this correct?
- A4: Yes, if applicable.
- Q5: Bidder assumes that the City will issue a written directive or change order for any additional work to be performed that is outside the scope of work for the contract. Is this correct?
- A5: Yes, if applicable.
- Q6: Bidder assumes that if a force majeure event occurs, that neither party shall be liable to the other party for damages or delays (payment notwithstanding). The affected party shall notify the other party in writing of the impact of the event. The bidder and City will negotiate an extension of time and/ or compensation (if needed) in order to complete the contract. The Agreement can be terminated in the force majeure event extends past 90 days. Is this correct?
- A6: Yes, if applicable.
- Q7: Bidder assumes that if materials are loaded into their vehicles that are determined to be considered hazardous and not meet 40 CFR 503 requirements, that they can be returned to the City, or the City will reimburse the bidder for disposing of the material at cost + 15%. Is this correct?
- A7: Based on our 25+ years of land application practices, biosolids from the Ann Arbor WWTP have always met the requirements of 40 CFR 503. However, if a load does not meet those requirements, providers can bring it back to the City for further disposition by the City.
- Q8: Can you please forward a list of the companies that attended the pre-bid meeting for this project?
- A8: Synagro and Biotech Agronomics attended the pre-bid meeting.

Respondents are responsible for any conclusions that they may draw from the information contained in the Addendum

CITY OF ANN ARBOR WWTP BIOSOLIDS DATA

PARAMETER	10/1/2014	10/22/2014	11/6/2014	5/1/2015	4/27/2015	5/22/2015	6/5/2015	6/22/2015	7/17/2015	8/14/2015	8/19/2015	9/18/2015
% Solids	6.36	6.1	5.61	5.55	6.4	5.5	6.58	5.5	5.26	5.89	9.8	5.67
Arsenic	<3.04	2.35	<3.52	<3.59	1.87	2.63	4.31	3.51	<3.43	<2.71	1.58	<3.38
Cadmium	<.608	0.52	<0.704	<0.718	0.49	0.48	<0.584	0.66	0.685	0.542	0.25	<.676
Copper	125	144	132	109	134	143	107	206	130	119	121	115
Lead	8.56	6.89	6.21	4.75	4.71	8.13	6.44	15.5	11.9	5.97	4.61	6.08
Mercury	0.25	0.279	0.63	<0.19	0.144	0.351	0.12	1.1	0.73	0.37	0.149	0.27
Molybdenum	5.46	8.21	6.53	7.98	5.87	7.15	5.27	8.89	4.28	3.66	4.4	6.39
Nickel	4.21	14.6	4.7	4.99	6.26	10.5	2.57	9.46	6.58	3.53	7.79	6.56
Selenium	<3.8	1.37	<4.4	<4.48	0.75	1.88	6.21	0.88	<4.28	<3.39	0.57	<0.239
Zinc	252	310	222	246	249	307	256	399	257	278	228	292
TKN	40720	32200	56060	36150	35800	38500	36670	42000	32870	38350	23300	42800
Ammonia	4630	2610	4250	5840	3960	3690	13100	3790	9420	6390	3770	4770
Phosphorus	15060	8180	23140	24170	16300	17000	15250	11400	12620	21790	8200	13490
Potassium	3860	3250	6120	7880	6660	5860	4380	3720	3680	6710	2940	4310
Chloride												
pH	12.35	12.46	12.88	12.78	12.31	12.37	12.53	12.32	12.37	12.61		12.36
Sulfate												
TVS	47.3		56.3	70.8			60.6		53	55.3		46.1
Barium		101				175						
Calcium	137000		158000	109000			165000		39900	57900		199000
Magnesium	6200		7990	8450			7300		5960	9270		7550
Chromium	7.36	6.85	5.95	2.53		10.8	2.89	10.2	7.32	5.15		7.89



Analytical Laboratory Report

Report ID: S69024.01(01)
Generated on 11/05/2015

Report to

Attention: Wendy Schultz
City of Ann Arbor
919 Sunset
Ann Arbor, MI 48103

Phone: (734)794-6426 FAX: (734)994-0151
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Report Summary

Lab Sample ID(s): S69024.01
Project: MI0022217
Collected Date: 10/19/2015
Submitted Date/Time: 10/21/2015 13:47
Sampled by: Unknown
P.O. #:

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Results relate only to items tested as received by laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods



Analytical Laboratory Report

Method Summary

Method	Version
E300.0	EPA Method 300.0 Revision 2.1
E335.4/SM4500-CN	EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 20th Edition
SM2540B	Standard Method 2540 B 20th Edition
SM4500-N(org)/NH	Standard Method 4500 N(org)B / NH3D 20th Edition
SM4500-NH3 D	Standard Method 4500 NH3 D 20th Edition
SM4500-PE	Standard Method 4500 P E 20th Edition
SM5520D	Standard Method 5520 D 20th Edition
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW9045D	SW 846 Method 9045D Revision 4 November 2004



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S69024.01	Land Applied Biosolids	Sludge	10/19/15 11:33



Analytical Laboratory Report

Lab Sample ID: S69024.01
 Sample Tag: Land Applied Biosolids
 Collected Date/Time: 10/19/2015 11:33
 Matrix: Sludge
 COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	5.4	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
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Extraction / Prep.

Mercury Digestion	Completed			SW7471B	10/28/15 13:00	RGS		
Metal Digestion	Completed			SW3050B	10/27/15 14:00	CCM		

Inorganics

Ammonia-N (Undistilled)	3,580	mg/kg	10	SM4500-NH3 D	10/21/15 20:29	MJC	7664-41-7	
Cyanide	Not detected	mg/kg	18	E335.4/SM4500-CN	10/27/15 11:18	JDP	57-12-5	
Nitrate-N	Not detected	mg/kg	60	E300.0	10/30/15 17:30	JDP	14797-55-8	
Oil & Grease n-Hexane Soxlet	83,793	mg/kg		SM5520D	10/28/15 10:02	PLB		
pH/ Corrosivity	12.56	STD Units	0.1	SW9045D	10/29/15 17:35	ASB		
Total Kjeldahl Nitrogen	40,600	mg/kg	100	SM4500-N(org)/NH	10/29/15 14:57	MJC		
Total Phosphorus	12,500	mg/kg	100	SM4500-PE	11/05/15 15:44	MJC	7723-14-0	
Total Solids	5.6	%	1	SM2540B	10/22/15 21:00	WAR		

Metals

Arsenic	2.3	mg/kg	2.0	SW6020A	10/27/15 15:31	CCM	7440-38-2	
Barium	119	mg/kg	10.0	SW6020A	10/27/15 15:31	CCM	7440-39-3	
Cadmium	Not detected	mg/kg	2.0	SW6020A	10/27/15 15:31	CCM	7440-43-9	
Chromium	8.6	mg/kg	5.0	SW6020A	10/27/15 15:31	CCM	7440-47-3	
Copper	161	mg/kg	5.0	SW6020A	10/27/15 15:31	CCM	7440-50-8	
Lead	6.5	mg/kg	3.0	SW6020A	10/27/15 15:31	CCM	7439-92-1	
Mercury	0.320	mg/kg	0.050	SW7471B	10/28/15 16:52	RGS	7439-97-6	
Molybdenum	8.5	mg/kg	5.0	SW6020A	10/27/15 15:31	CCM	7439-98-7	
Nickel	8.7	mg/kg	5.0	SW6020A	10/27/15 15:31	CCM	7440-02-0	
Potassium	5,470	mg/kg	5.0	SW6020A	10/27/15 16:03	JRH	7440-09-7	
Selenium	Not detected	mg/kg	4.0	SW6020A	10/27/15 15:31	CCM	7782-49-2	
Silver	2.4	mg/kg	2.0	SW6020A	10/27/15 15:31	CCM	7440-22-4	
Zinc	399	mg/kg	5.0	SW6020A	10/27/15 15:31	CCM	7440-66-6	

