NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: GWRP Compliance

Monitoring Period: 11/1/15 To: 12/31/15

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table I, 40 CFR 503.13) Daily Maximum
Arsenic	< 24	41	75
Cadmium	< 2.4	39	85
Chromium	68	1200	3000
Copper	340	1500	4300
Lead	< 24	300	840
Mercury	0.56	17	57
Molybdenum	18	N/A**	75
Nickel	29	420	420
Nitrogen Concen	51300	N/A	N/A
Selenium	30	100	100
Zinc	790	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved

☐ Class A ☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option perform

☒ Option 1 ☐ Option 2 ☐ Option 3 ☐ Option 4
☐ Option 5 ☐ Option 6 ☐ Option 7 ☐ Option 8
☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title	B. Area Code and Telephone Number
Jennifer Hetherington, Wastewater Compliance Specialist	480-644-3890
C. Signature	D. Date Signed
	11/30/15

Laboratory Sample ID: 151105005

CITY OF MESA COMPLIANCE LABORATORY

640 NORTH MESA DRIVE MESA, ARIZONA 85211
Environmental Laboratory License AZ0410
LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403
QUALITY ASSURANCE COORDINATOR: Amy Cerwinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 151105005

CollectDate: 11/5/2015
Collection Time: 5:00:00 AM
Collector: R. Diala
Sample Number: 15110142

ReceiveDate: 11/5/2015
Customer Sample#:
Project ID: GWRP Biosolids
Site: GWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	234	D2	6460 mg/Kg-dry	11/9/2015	PSERIA
Cyanide, Total	EPA 9014	37		< 37 mg/Kg-dry	11/12/2015	TAL
Arsenic, Total	EPA 6010B	24		< 24 mg/Kg-dry	11/6/2015	TAL
Cadmium, Total	EPA 6010B	2.4		< 2.4 mg/Kg-dry	11/6/2015	TAL
Chromium, Total	EPA 6010B	9.5		68 mg/Kg-dry	11/6/2015	TAL
Copper, Total	EPA 6010B	24		340 mg/Kg-dry	11/6/2015	TAL
Lead, Total	EPA 6010B	24		< 24 mg/Kg-dry	11/6/2015	TAL
Molybdenum, Total	EPA 6010B	9.5		18 mg/Kg-dry	11/6/2015	TAL
Nickel, Total	EPA 6010B	9.5		29 mg/Kg-dry	11/6/2015	TAL
Selenium, Total	EPA 6010B	24		30 mg/Kg-dry	11/6/2015	TAL
Silver, Total	EPA 6010B	12		< 12 mg/Kg-dry	11/6/2015	TAL
Zinc, Total	EPA 6010B	47		790 mg/Kg-dry	11/6/2015	TAL
Mercury, Total	EPA 7471A	0.44		0.56 mg/Kg-dry	11/9/2015	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	9.6		< 9.6 mg/Kg-dry	11/13/2015	TAL
Nitrogen, Kjeldahl Total	SM4500-Norg	972		51300 mg/Kg-dry	11/17/2015	PSERIA
Nitrogen, Total	Calculation	982		51300 mg/Kg-dry	11/18/2015	mrexing
Paint Filter	EPA 9095B			abs pres/abs	11/9/2015	PSERIA
Percent Moisture	SM2540G	0.1		79 %	11/5/2015	TAL
Percent Soil	SM2540G	0.1		21 %	11/5/2015	TAL
pH	EPA 9045D	1.68		8.19 S.U.	11/9/2015	PSERIA
Phosphate as P, Total	SM4500-P	4537	D2 M3 R1	28800 mg/Kg-dry	11/17/2015	PSERIA
Solids, Total	SM2540G	1		21.4 %	11/9/2015	NSILIDE

QUALIFIERS

D2 Sample diluted due to high concentration.

COMMENTS

As and Cu were analyzed on 11/11/15.

The NO3/NO2 RL was changed to the NO3 RL (4.8 mg/Kg) and NO2 RL (4.8 mg/Kg) added together (9.6 mg/Kg).The NO3 and NO2 results from the sub contract lab were both flagged E4 for being below the RL and above the MDL and are estimated concentrations.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable. R1 RPD/RSD exceeded the method acceptance limit. RPD is high due to matrix.

REVIEWED BY: Amy L Cerwinski Date Signed: 11/30/2015

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Chain of Custody

Project Manager: Jennifer Hetherington

Order# 151105005	Sampled By: JS / RD
Customer Name: GWRP Compliance	Date Sampled: 11/4-5/2015
Project Name: GWRP BIOSOLIDS	Time Sampled: 0500
	Receiving Temp: 2.0 C

Sample Number	15110142	
Analysis	GWRP Biosolids	# of Bottles
Paint Filter	X	
Mercury - SW7471A	X	
Metals - SW6010B	X	
pH	X	
Temperature	X	
Ammonia - 4500NH3D	X	
Nitrate-N - EPA9056	X	
Nitrite-N - EPA9056	X	
TKN - 4500 N ORG C	X	
Phosphorus - 4500-PB,E	X	
% Moisture	X	
% Solids	X	
Cyanide Total - 9014	X	
Total Nitrogen	X	
ICP -Selenium TCLP	X	
		2

Comments:

Metals: Arsenic, Cadmium, Chromium, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc

Time Sampled:	Sampler
2200	JS
2300	RD
2400	RD
0100	RD
0200	RD
0300	RD
0400	RD
0500	RD

Sampled&Relinquished by:		Sampled&Relinquished by:	
Signature:	Time: 0600	Signature:	Time:
Printed Name: ROLLY DIALA	Date: 11/5/15	Printed Name:	Date:
Company Name:		Company Name:	
Received by:		**Received by:**	
Signature:	Time: 0600	Signature:	Time:
Printed Name:	Date: 11/5/15	Printed Name:	Date:
Company Name:		Company Name:	
Sampled&Relinquished by:		**Sampled&Relinquished by:**	
Signature:	Time: 1005	Signature:	Time:
Printed Name:	Date: 11/5/15	Printed Name:	Date:
Company Name:		Company Name:	
Received by:		**Received by:**	
Signature:	Time:	Signature:	Time: 1005
Printed Name:	Date:	Printed Name: Serria	Date: 11/5/15
Company Name:		Company Name:	