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:: NWWRP 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	< 20	41	75
Cadmium	< 2.0	39	85
Chromium	86	1200	3000
Copper	440	1500	4300
Lead	< 20	300	840
Mercury	0.48	17	57
Molybdenum	10	N/A**	75
Nickel	38	420	420
Nitrogen Concen	48000	N/A	N/A
Selenium	37	100	100
Zinc	710	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: 151105004

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: 151105004

CollectDate: 11/4/2015
Collection Time: 7:14:00 PM
Collector: C. Fitch-Kirkpatrick
Sample Number: 15110141

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

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	209	D2	5960 mg/Kg-dry	11/9/2015	PSERIA
Cyanide, Total	EPA 9014	33		< 33 mg/Kg-dry	11/12/2015	TAL
Arsenic, Total	EPA 6010B	20		< 20 mg/Kg-dry	11/6/2015	TAL
Cadmium, Total	EPA 6010B	2		< 2.0 mg/Kg-dry	11/6/2015	TAL
Chromium, Total	EPA 6010B	8.1		86 mg/Kg-dry	11/6/2015	TAL
Copper, Total	EPA 6010B	20		440 mg/Kg-dry	11/6/2015	TAL
Lead, Total	EPA 6010B	20		< 20 mg/Kg-dry	11/6/2015	TAL
Molybdenum, Total	EPA 6010B	8.1		10 mg/Kg-dry	11/6/2015	TAL
Nickel, Total	EPA 6010B	8.1		38 mg/Kg-dry	11/6/2015	TAL
Selenium, Total	EPA 6010B	20		37 mg/Kg-dry	11/6/2015	TAL
Silver, Total	EPA 6010B	10		< 10 mg/Kg-dry	11/6/2015	TAL
Zinc, Total	EPA 6010B	40		710 mg/Kg-dry	11/6/2015	TAL
Mercury, Total	EPA 7471A	0.4		0.48 mg/Kg-dry	11/9/2015	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	4.1		< 4.1 mg/Kg-dry	11/13/2015	TAL
Nitrogen, Kjeldahl Total	SM4500-Norg	911		48000 mg/Kg-dry	11/17/2015	PSERIA
Nitrogen, Total	Calculation	915		48000 mg/Kg-dry	11/18/2015	mrexing
Paint Filter	EPA 9095B			abs pres/abs	11/9/2015	PSERIA
Percent Moisture	SM2540G	0.1		76 %	11/5/2015	TAL
Percent Soil	SM2540G	0.1		24 %	11/5/2015	TAL
pH	EPA 9045D	1.68		7.98 S.U.	11/9/2015	PSERIA
Phosphate as P, Total	SM4500-P	4012	D2 M3 R1	30000 mg/Kg-dry	11/17/2015	PSERIA
Solids, Total	SM2540G	1		24.0 %	11/9/2015	NSILIDE

QUALIFIERS

D2 Sample diluted due to high concentration.

COMMENTS

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

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

mesa·az

Chain of Custody

Project Manager: Jennifer Hetherington

Order# ~~NW-110415-1H~~ 151105004		Sampled By:	CF/BF
Customer Name: NWWRP Compliance		Date Sampled:	11-4-15
Project Name: NWWRP BIOSOLIDS		Time Sampled:	1914
# 15110141		Receiving Temp:	2.0C
Sample Number	NW-110415-1	Comments:	

Analysis	NWWRP 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-P B,E	X	
% Moisture	X	
% Solids	X	
Cyanide Total - 9014	X	
Total Nitrogen	X	
ICP - Selenium TCLP	x	
		2

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

Time Sampled:	Sampler
1004	Chanel 20719
1102	Chanel 20719
1207	Chanel 20719
1304	Chanel 20719
1410	B. Innis 20728
1500	B. Innis
1604	B. Innis
1703	B. Innis
1810	B. Innis
1914	B. Innis

Sampled&Relinquished by:		Sampled&Relinquished by:	
Signature: [signature]	Time: 1400	Signature: [signature]	Time: 1005
Printed Name: Chanel Fitch-Kirkpatrick	Date: 11-4-15	Printed Name: J. Lopez	Date: 11/5/15
Company Name:		Company Name:	
Received by:		**Received by:**	
Signature: [signature]	Time: 1400	Signature:	Time:
Printed Name: Brian Innis	Date: 11/4/15	Printed Name:	Date:
Company Name: C.O.M.		Company Name:	
Sampled&Relinquished by:		**Sampled&Relinquished by:**	
Signature: [signature]	Time: ~~2200~~ 0900	Signature:	Time:
Printed Name: Brian Innis	Date: ~~11/4/15~~ 11-5-15	Printed Name:	Date:
Company Name: C.O.M.		Company Name:	
Received by:		**Received by:**	
Signature: [signature]	Time: 0900	Signature: [signature]	Time: 1005
Printed Name: J. Lopez	Date: 11-5-15	Printed Name: P. Soria	Date: 11/5/15
Company Name:		Company Name:	