# 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: 5/1/16 To: 6/30/16

| 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 | < 23 | 41 | 75 |
| Cadmium | < 2.3 | 39 | 85 |
| Chromium | 37 | N/A** | 3000 |
| Copper | 290 | 1500 | 4300 |
| Lead | < 23 | 300 | 840 |
| Mercury | < 0.45 | 17 | 57 |
| Molybdenum | 19 | N/A** | 75 |
| Nickel | 22 | 420 | 420 |
| Nitrogen Concen | 54400 | N/A** | N/A** |
| Selenium | < 23 | 100 | 100 |
| Zinc | 730 | 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 6/17/16 |

Laboratory Sample ID: 160504003

# 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: 160504003**

**CollectDate:** 5/4/2016
**Collection Time:** 5:30:00 AM
**Collector:** R. Diala
**Sample Number:** 16050090

**ReceiveDate:** 5/4/2016
**Customer Sample#:**
**Project ID:** GWRP Biosolids
**Site:** GWRP Biosolids

## RESULTS

| Parameter | Method No | MRL | Qualifier | Result | Analysis Date | Analyst |
|---|---|---|---|---|---|---|
| Nitrogen, Ammonia Total | SM4500-NH3D | 238 | D2 | 8750 mg/Kg-dry | 5/24/2016 | PSERIA |
| Cyanide, Total | EPA 9014 | 1.9 | | 5.8 mg/Kg-dry | 5/9/2016 | TAL |
| Arsenic, Total | EPA 6010B | 23 | | < 23 mg/Kg-dry | 5/10/2016 | TAL |
| Cadmium, Total | EPA 6010B | 2.3 | | < 2.3 mg/Kg-dry | 5/10/2016 | TAL |
| Chromium, Total | EPA 6010B | 9.2 | | 37 mg/Kg-dry | 5/10/2016 | TAL |
| Copper, Total | EPA 6010B | 23 | | 290 mg/Kg-dry | 5/10/2016 | TAL |
| Lead, Total | EPA 6010B | 23 | | < 23 mg/Kg-dry | 5/10/2016 | TAL |
| Molybdenum, Total | EPA 6010B | 9.2 | | 19 mg/Kg-dry | 5/10/2016 | TAL |
| Nickel, Total | EPA 6010B | 9.2 | | 22 mg/Kg-dry | 5/10/2016 | TAL |
| Selenium, Total | EPA 6010B | 23 | | < 23 mg/Kg-dry | 5/10/2016 | TAL |
| Silver, Total | EPA 6010B | 11 | | < 11 mg/Kg-dry | 5/10/2016 | TAL |
| Zinc, Total | EPA 6010B | 46 | | 730 mg/Kg-dry | 5/10/2016 | TAL |
| Selenium, Total | EPA 6010B | 0.25 | | < 0.25 mg/L | 5/13/2016 | TAL |
| Mercury, Total | EPA 7471A | 0.45 | | < 0.45 mg/Kg-dry | 5/12/2016 | TAL |
| Nitrogen, Nitrate-Nitrite Total | EPA 9056 | 4.6 | | < 4.6 mg/Kg-dry | 5/18/2016 | TAL |
| Nitrogen, Kjeldahl Total | SM4500-Norg | 953 | | 54400 mg/Kg-dry | 5/31/2016 | PSERIA |
| Nitrogen, Total | Calculation | 958 | | 54400 mg/Kg-dry | 6/1/2016 | mrexing |
| Paint Filter | EPA 9095B | | | abs pres/abs | 5/12/2016 | PSERIA |
| Percent Moisture | SM2540G | 0.1 | | 78.4 % | 5/9/2016 | TAL |
| Percent Soil | SM2540G | 0.1 | | 21.6 % | 5/9/2016 | TAL |
| pH | EPA 9045D | 1.68 | | 8.10 S.U. | 5/16/2016 | PSERIA |
| Phosphate as P, Total | SM4500-P | 4662 | D2,M3,R1 | 28900 mg/Kg-dry | 6/1/2016 | PSERIA |
| Solids, Total | SM2540G | 1 | R9 | 21.0 % | 5/9/2016 | ACHARLS |

## QUALIFIERS

| | | | |
|---|---|---|---|
| D2 | Sample diluted due to high concentration. | R9 | Sample RPD exceeded the lab acceptance limit. |

## COMMENTS

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

R9 The COM % Solids result for the sample used for the duplicate was confirmed by the sub laboratory's result of 21.6%. The sample and duplicate were not rerun due to this confirmation.

REVIEWED BY: Amy L Cerwinski

Date Signed: 6/17/2016

mesa·az

# Chain of Custody

Project Manager: Jennifer Hetherington

| | |
|---|---|
| Order# 1605 04/003 | Sampled By: RD |
| Customer Name: GWRP Compliance | Date Sampled: 5/3-4, 2016 |
| Project Name: GWRP BIOSOLIDS | Time Sampled: 0530 |
| | Receiving Temp: 2.0C |

| Sample Number | 16050090 | |
|---|---|---|
| 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 |
|---|---|
| 2340 | RD |
| 0040 | RD |
| 0140 | RD |
| 0240 | RD |
| 0340 | RD |
| 0430 | RD |
| 0530 | RD |

| Sampled&Relinquished by: | | Sampled&Relinquished by: | |
|---|---|---|---|
| Signature: | Time: 0610 | Signature: | Time: |
| Printed Name: ROLLY DIALA | Date: 5/4/16 | Printed Name: | Date: |
| Company Name: | | Company Name: | |
| **Received by:** | | **Received by:** | |
| Signature: | Time: 0610 | Signature: | Time: |
| Printed Name: | Date: 5/4/16 | Printed Name: | Date: |
| Company Name: | | Company Name: | |
| **Sampled&Relinquished by:** | | **Sampled&Relinquished by:** | |
| Signature: | Time: 0900 | Signature: | Time: |
| Printed Name: | Date: 5/4/16 | Printed Name: | Date: |
| Company Name: | | Company Name: | |
| **Received by:** | | **Received by:** | |
| Signature: | Time: | Signature: | Time: 0900 |
| Printed Name: | Date: | Printed Name: Serra | Date: 5/4/16 |
| Company Name: | | Company Name: | |