

**INFORMATION SHEET ON
CLASS "A" BIOSOLIDS
PRODUCED AT THE CITY OF BRENHAM WASTEWATER TREATMENT PLANT**

APPLICATION OF THIS SEWAGE SLUDGE TO THE LAND IN A MANNER OTHER THAN IN ACCORDANCE WITH THE INSTRUCTIONS ON THIS INFORMATION SHEET IS PROHIBITED.

ANNUAL METAL LOADING RATES		
METAL	Annual Metal Loading Rate¹ (lbs per acre)^{2,4}	Annual Sludge Application Rate¹ (lbs per acre)^{2,3}
Arsenic	1.8	2,250,000
Cadmium	1.7	1,416,667
Chromium	134	12,293,578
Copper	67	555,556
Lead	13	838,710
Mercury	0.76	6,333,333
Molybdenum	Report Only	
Nickel	18.7	1,496,000
Selenium	4.5	17,307,692
Zinc	125	115,527

¹Per 365-day period

²Dry weight basis

³Annual Whole Sludge Application Rate based on sample taken on 12.06.12.

⁴Table 4 found on Page 26 of TPDES Permit No. 10388-001 issued 11.27.02.

Based on the above table, the controlling metal is **Zinc**; yielding a maximum sludge application rate of **115,527 lbs/acre/year**.

METAL CONTENT	Tested Concentration (ppm)	Allowable Concentration¹ (ppm)
Arsenic	3.3	74
Cadmium	<2.02	85
Chromium	26.2	3000
Copper	96.4	4300
Lead	14.3	840
Mercury	0.17	57
Molybdenum	5.1	75
Nickel	11.9	420
Selenium	<2.0	100
Zinc	815.5	7500

¹per 40 CFR Part 503

ANALYSIS	PER CENT
Hydrated Lime	23.0
Inert Matter & Organic Humus	Not Tested
Water	70.100
Calcium	29.000
Magnesium	0.820
TKN (Total Nitrogen)	2.300
Phosphorus	1.180
Potassium	0.130
Ammonia	0.100
Nitrates	0.030

PHYSICAL PROPERTIES	
Bulk Density	Not Tested
Color	Not Tested
pH	12.5
Calcium Carbonate Equivalency	Not Tested

Contact Information: City of Brenham
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