

To: ANGELINA-NECHES RIVER AUTHOR.
PO BOX 387
LUFKIN, TX 75902-0387

For: STOCKPILE 251

STA

Report Number: F16041-6008
Account Number: 63512

Attn: DALE BAILEY

Sample ID: STOCKPILE 251
Lab Number: 83812

Date Sampled: 2/9/2016
Date Received: 2/10/2016
Date Reported: 2/23/2016

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COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	55.05		TMECC 03.09-A
Solids	%	44.95		TMECC 03.09-A
Total Nitrogen (N)	%	0.91	2.03	TMECC 04.02-D
Phosphorus (P)	%	0.55	1.23	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	1.27	2.82	TMECC 04.03-A
Potassium (K)	%	0.18	0.41	TMECC 04.04-A
Potash (K ₂ O)	%	0.22	0.49	TMECC 04.04-A
Magnesium (Mg)	%	0.09	0.20	TMECC 04.05-MG
Calcium (Ca)	%	0.69	1.53	TMECC 04.05-B
Arsenic	mg/kg	6.7	14.8	SW846-6020 04.06-As
Cadmium	mg/kg	0.329	0.731	SW846-6020 04.06-Cd
Chromium	mg/kg	16.1	35.7	SW846-6020 04.06-Cr
Copper	mg/kg	168	373	SW846-6020 04.06-Cu
Mercury	mg/kg	<0.263	< 0.586	SW846-6020 04.06-Hg
Molybdenum	mg/kg	1.87	4.16	SW846-6020 04.06-Mo

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

Report Approved By:



Greg Neyman - Vice President / COO

Approval Date:

2/23/2016



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Nickel	mg/kg	6.3	13.9	SW846-6020 04.06-Ni
Lead	mg/kg	8.1	17.9	SW846-6020 04.06-Pb
Selenium	mg/kg	1.24	2.76	SW846-6020 04.06-Se
Zinc	mg/kg	168	374	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.9		TMECC 04.11-A
Soluble Salts	dS/m	2.38		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		< 2	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Organic Matter (LOI @ 550 C)	%	22.80	50.72	TMECC 05.07-A
Total Organic Carbon (C)	%	11.40	25.36	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.5:1	12.5:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	99		TMECC 05.05-A
Germination - Vigor	%	67		TMECC 05.05-A

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Ave Ht of Seedlings in Control	inches	3.7		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	3.4		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		1	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		1	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Retained on U.S. 2-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 1-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		0.84	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		5.72	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		10.78	TMECC 02.02-B