



**WASTE MANAGEMENT INC. OF FLORIDA**

Vista Landfill, LLC  
242 W. Keene Road  
Apopka, FL 32703

March 17, 2014

Mr. Lubozynski  
Florida Department of Environmental Protection  
Central District  
3319 Maguire Blvd., Suite 232  
Orlando, FL 32803

Subject: Composting Disinfection Sample Results  
Vista Organic Composting Facility  
WACS Facility 87081  
Permit No. SO48-0165969-020

Dear Mr. Lubozynski,

In order to show compliance with the disinfection requirements for compost in FAC 62-709, the Vista Landfill is submitting the attached quarterly analysis. This analysis shows compliance with the testing and record keeping requirements of 62-709.530. The facility also maintains onsite records showing compliance with the temperature monitoring requirements. Since the composting system uses aerated static piles, the materials are maintained  $\geq 55^{\circ}\text{C}$  for 3 consecutive days. Should you have any questions regarding this submittal, please feel free to contact me at (386) 804-4183.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Paul Bermillo', with a large, sweeping flourish at the end.

Paul Bermillo  
Environmental Protection Manager  
Waste Management Inc. of Florida

cc: Deborah Perez, WMIF  
Karen Hawkins, WMIF  
Kim Rush, FDEP  
Gloria DePradine, FDEP  
Jay Davoll, City of Apopka

REPORT NO.  
F14058-6002  
ACCOUNT NUMBER  
30557

## A & L GREAT LAKES LABORATORIES, INC.

3505 Conestoga Drive • Fort Wayne, IN 46808 • Phone 260-483-4759 • Fax 260-483-5274  
www.algreatlakes.com • lab@algreatlakes.com

QUALITY ANALYSES FOR INFORMED DECISIONS



TO: GARICK LLC / VISTA ORGANICS  
242 W KEENE RD  
APOPKA, FL 32703-7919

FOR: FOOD WASTE COMPOST

COPY: AL RATTIE/J DAVIS

STA

ATTN: RAY STAMPER

LAB NUMBER: 70513  
SAMPLE ID: VOAS

### COMPOST ANALYSIS REPORT

DATE SAMPLED: 02/26/2014

DATE RECEIVED: 02/27/2014

DATE REPORTED: 03/17/2014

PAGE: 1

PARAMETER	UNIT	ANALYSIS RESULT	DRY BASIS RESULT	ANALYSIS METHOD
Moisture @ 70 C	%	47.22		TMECC 03.09-A
Dry Matter	%	52.78		TMECC 03.09-A
Total Nitrogen (N)	%	0.79	1.50	TMECC 04.02-D
Phosphorus (P)	%	0.14	0.27	TMECC 04.03-A
Phosphate (P205)	%	0.33	0.62	TMECC 04.03-A
Potassium (K)	%	0.16	0.31	TMECC 04.04-A
Potash (K2O)	%	0.20	0.37	TMECC 04.04-A
Magnesium (Mg)	%	0.04	0.08	TMECC 04.05-MG
Calcium (Ca)	%	0.96	1.82	TMECC 04.05-B
Arsenic	mg/kg	0.74	1.41	SW846-6020 04.06-As
Cadmium	mg/kg	<0.262	< 0.496	SW846-6020 04.06-Cd
Chromium	mg/kg	3.46	6.55	SW846-6020 04.06-Cr
Copper	mg/kg	16.8	31.9	SW846-6020 04.06-Cu

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

Report Approved By:

Greg Neyman - Vice President / COO

Approval Date: 3/17/2014

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Mercury	mg/kg	<0.309	< 0.586	SW846-6020 04.06-Hg
Molybdenum	mg/kg	0.401	0.760	SW846-6020 04.06-Mo
Nickel	mg/kg	1.11	2.10	SW846-6020 04.06-Ni
Lead	mg/kg	4.23	8.02	SW846-6020 04.06-Pb
Selenium	mg/kg	0.82	1.56	SW846-6020 04.06-Se
Zinc	mg/kg	30.1	57.1	SW846-6020 04.06-Zn
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	5.5		TMECC 04.11-A
Soluble Salts	dS/m	2.80		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		10	SM(20th)-9221E TMECC
Salmonella	MPN/4g dry		< 3	SM(20th)-9260D
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A
Ash @ 550 C	%	19.34	36.65	TMECC 03.02-B

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Organic Matter by LOI @ 550C	%	33.44	63.35	TMECC 05.07-A
Organic Carbon by LOI @ 550C	%	16.72	31.68	Estimated
Carbon:Nitrogen Ratio (C:N)	-	21.1:1	21.1:1	TMECC 05.02-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	96		TMECC 05.05-A
Germination - Vigor	%	11		TMECC 05.05-A
Ave Ht of Seedlings in Control	inches	3.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	inches	2.9		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		6	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		3	TMECC 05.08-B
Compost Stability Index	-		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

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Retained on U.S. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		0.45	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		8.20	TMECC 02.02-B
Retained on U.S. 5/32-inch	%		10.16	TMECC 02.02-B

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