

Blue, Karen

From: Matoska, Maria
Sent: Friday, March 30, 2018 4:19 PM
To: Blue, Karen; Cusher, Annette
Subject: FW: Eco Vista Compost Facility: 2017 AEIR
Attachments: 2017 Eco Vista Compost Annual Report.pdf

From: Bryan Bailey [<mailto:bryan@shepherd.design>]
Sent: Friday, March 30, 2018 4:14 PM
To: Matoska, Maria
Cc: David Conrad (DConrad@wm.com); Jodi Reynolds-Coffelt (jreyno10@wm.com); Tim Murray (tmurray7@wm.com)
Subject: Eco Vista Compost Facility: 2017 AEIR

Attached is the 2017 Annual Engineering Inspection Report for the Eco Vista Compost Facility.

Thanks,

Bryan W. Bailey, P.E.
Project Engineer

Shepherd Engineering Design Co., Inc.
510 East Memorial Road, Suite C-1
Oklahoma City, OK 73114

Mobile: (405) 249-8609
Fax: (405) 488-0029

bryan@shepherd.design

Rec'd Digitally	
AFIN: 72-00144	
PMT#: 0013-SCYW	
<small>RECEIVED By bluek at 12:58 pm, Apr 02, 2018</small>	
DOC ID#: 73496	
TO: AC>FILE <KMB	
S W M D	

CONFIDENTIALITY NOTE:

This e-mail and any attachments are confidential and are protected by legal privilege. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of this e-mail or any attachment is prohibited. If you have received this e-mail in error, please notify us immediately by returning it to the sender and delete this copy from your system. Thank you for your cooperation.



DESIGN COMPANY INCORPORATED

March 30, 2018

By Electronic Mail Only

Arkansas Department of Environmental Quality
Solid Waste Division
5301 Northshore Drive
North Little Rock, AR 72118-5317

ATTN: Ms. Maria Matoska
Permit Engineer

**RE: Annual Report
Eco Vista Composting Facility
Waste Management of Arkansas, Inc.
ADEQ Permit No.: 0013-SCYW AFIN: 72-00144**

Dear Ms. Matoska:

On behalf of our client, Waste Management of Arkansas, Inc., please find attached the 2017 Annual Report for the Eco Vista Composting Facility. This report is being submitted as required by ADEQ Solid Waste Regulation 22.

This report covers the period from January 1, 2017 to December 31, 2017. If you have any questions, please do not hesitate to call me.

Sincerely,
Shepherd Engineering Design Co., Inc.

A handwritten signature in cursive script that reads "Bryan W. Bailey".

Bryan W. Bailey, P.E.
Project Engineer

Cc: Mr. David Conrad – Market Area Engineer
Mr. Tim Murray – Landfill Operations Manager
Ms. Jodi Reynolds-Coffelt – Environmental Protection Manager-AR



2017 ANNUAL REPORT

Eco Vista, LLC
Eco Vista Compost Facility
ADEQ Permit No.: 0013-SCYW
AFIN: 72-00144
Tontitown, Arkansas

Prepared for:

Mr. David Conrad
Market Area Engineer
Waste Management of Arkansas
Eco Vista Compost Facility
Tontitown, Arkansas

Prepared By:

Shepherd Engineering Design Co., Inc.
510 East Memorial Road, Suite C-1
Oklahoma City, OK 73114

SEDCo. Project No.: 18012

March 2018



**ANNUAL REPORT
ECO VISTA COMPOST FACILITY
(Eco Vista, LLC)
Permit No. 0013-SCYW
AFIN: 72-00144**

**Reporting Period of
January 1, 2017 to December 31, 2017**

The following information is provided in accordance with Regulation 22.808(c) and Part VI, Condition W of the General Permit 0013-SCYW.

1) Monitoring results of stormwater runoff/or site discharges as required by facility NPDES permits;

Surface water run-off from the composting area is managed in accordance with NPDES Industrial Stormwater General Permit ARR000231. A stormwater sample was collected on November 29, 2017 and the corresponding stormwater analytical results are in Attachment A.

2) A summary narrative of any changes to site design, changes in operations, or necessary maintenance or remedial measures taken at the facility during the past reporting period;

There was no design or operational changes, or maintenance or remedial measures implemented during the reporting period.

3) Quantity, type, and source of incoming waste on a monthly basis;

During the 2017 calendar year, the site maintained monthly records in both gate tons and gate cubic yards.

a) The quantity, type, and source of incoming waste for the reporting period is provided in the table below.

Month	Type	Detail	Ton/Cyd	Loads	Gate Tons
Jan	5004E	RDW GREEN WASTE EACH	CYD	2	0.66
	5004T	RDW GREEN WASTE TONS	TON	17	39.97
Monthly Total =					40.63
Feb	5004E	RDW GREEN WASTE EACH	CYD	5	1.43
	5004T	RDW GREEN WASTE TONS	TON	19	46.37
Monthly Total =					47.80
Mar	5004E	RDW GREEN WASTE EACH	CYD	8	3.67
	5004T	RDW GREEN WASTE TONS	TON	14	64.43
Monthly Total =					68.10
Apr	5004E	RDW GREEN WASTE EACH	CYD	5	1.76
	5004T	RDW GREEN WASTE TONS	TON	16	76.41
Monthly Total =					78.17
May	5004E	RDW GREEN WASTE EACH	CYD	9	3.92
	5004T	RDW GREEN WASTE TONS	TON	19	79.64
Monthly Total =					83.56
June	5004E	RDW GREEN WASTE EACH	CYD	9	3.04
	5004T	RDW GREEN WASTE TONS	TON	17	83.87
Monthly Total =					86.91
July	5004E	GREEN WASTE EACH	CYD	7	1.76
	5004T	GREEN WASTE TONS	TON	16	76.05
	5004T	RDW GREEN WASTE TONS	TON	1	4.91
Monthly Total =					82.72
Aug	5004E	GREEN WASTE EACH	CYD	2	0.07
	5004T	GREEN WASTE TONS	TON	19	91.17
Monthly Total =					91.24
Sept	5004E	GREEN WASTE EACH	CYD	2	8.74
	5004T	GREEN WASTE TONS	TON	17	50.05
Monthly Total =					58.79
Oct	5004E	GREEN WASTE EACH	CYD	10	2.83
	5004T	GREEN WASTE TONS	TON	18	60.14
Monthly Total =					62.97
Nov	1004T	MSW GREEN WASTE TONS	TON	1	3.79
	5004E	GREEN WASTE EACH	CYD	10	4.18
	5004T	GREEN WASTE TONS	TON	24	75.43
Monthly Total =					83.40
Dec	5004E	GREEN WASTE EACH	CYD	4	0.84
	5004T	GREEN WASTE TONS	TON	28	100.63
Monthly Total =					101.47
Total (tons) =					885.76

b) The amount of compost material processed during the reporting period is calculated below.

Volume of Compost Received:	<u>885.76</u>	gate tons, or
(Conversion of 0.254 gate tons ≈ 1 gate cubic yard (cy))	<u>3,487.2</u>	gate cy
• From private parties	<u>0</u>	gate cy
• From WM service collection	<u>3,487.2</u>	gate cy

A conversion factor is used of 3 gate cy to 1 finished cy of processed material:	<u>1,162.4</u>	compost cy
--	----------------	------------

4) Quantity of compost sold or distributed on a monthly basis;

The finished compost from the Facility can be used for on-site and off-site purposes. However, no compost material was sold or distributed during the reporting period.

5) Quantity of residue removed for disposal, and the date and location of disposal; and

a) The quantity of residue removed from the composting area during the reporting period is provided below.

Volume of Processed Compost Material Removed:	<u>837.3</u>	compost cy
i. Provided to private citizens	<u>0</u>	compost cy
ii. Provided to Cities/Counties	<u>0</u>	compost cy
iii. Provided for On-Site uses	<u>837.3</u>	compost cy

b) Approximately 837.3 cubic yards (≈ 638 tons) of processed compost material was spread on side slopes of the landfill to help vegetation growth, during the reporting period.

6) Any other information which may affect compliance with APC&EC Regulation No. 22.

- a) Compliance Record: During the reporting period, inspections were conducted by the ADEQ and the following comments were made:

Inspection Date	Noted Violation or Comments
March 21, 2017	None
June 22, 2017	None
September 27, 2017	None
December 19, 2017	None

- b) In May 2017, the ADEQ issued a new General Permit for Yard Waste Compost facilities. On May 9, 2017, Terracon Consultants, Inc. submitted a NOI for coverage under the new General Permit. On June 8, 2017, General Permit Coverage was issued and it was noted that financial assurance requirements are with the Eco-Vista Class 1 Landfill costs estimates.

ATTACHMENT A Stormwater Monitoring Results

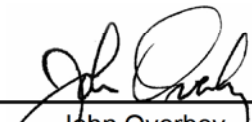


Waste Management Eco-Vista, LLC
ATTN: Mrs. Jodi Reynolds
100 Two Pine Drive
North Little Rock, AR 72117

This report contains the analytical results and supporting information for samples submitted on December 4, 2017. Attached please find a copy of the Chain of Custody and/or other documents received. Note that any remaining sample will be discarded two weeks from the original report date unless other arrangements are made.

This report is intended for the sole use of the client listed above. Assessment of the data requires access to the entire document.

This report has been reviewed by the Chief Operating Officer or a qualified designee.



John Overbey
Chief Operating Officer

This document has been distributed to the following:

PDF cc: Waste Management Eco-Vista, LLC
ATTN: Mr. Tim Murray
tmurray7@wm.com

Waste Management Eco-Vista, LLC
ATTN: Kaney Tyler
ktyler1@wm.com

Waste Management Eco-Vista, LLC
ATTN: Mrs. Jodi Reynolds
jreyno10@wm.com



Waste Management Eco-Vista, LLC
100 Two Pine Drive
North Little Rock, AR 72117

SAMPLE INFORMATION

Project Description:

Two (2) water sample(s) received on December 4, 2017
Eco-Vista Storm Water
P.O. No. 1181048678

Receipt Details:

A Chain of Custody was provided. The samples were delivered in one (1) ice chest.

Each sample container was checked for proper labeling, including date and time sampled. Sample containers were reviewed for proper type, adequate volume, integrity, temperature, preservation, and holding times. Any exceptions are noted below:

Sample Identification:

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Sampled Date/Time</u>	<u>Notes</u>
218479-1	Storm Water Compost Area	29-Nov-2017 0825	
218479-2	Storm Water Outfall 002A	29-Nov-2017 0840	

Case Narrative:

There were no qualifiers for this data and all samples met quality control criteria.

References:

- "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/5-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993).
- "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846)", Third Edition.
- "Standard Methods for the Examination of Water and Wastewaters", (SM).
- "American Society for Testing and Materials" (ASTM).
- "Association of Analytical Chemists" (AOAC).

Waste Management Eco-Vista, LLC
100 Two Pine Drive
North Little Rock, AR 72117

ANALYTICAL RESULTS

AIC No. 218479-1

Sample Identification: Storm Water Compost Area 29-Nov-2017 0825

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
COD HACH 8000	110 Prep: 05-Dec-2017 0921 by 330 Analyzed: 05-Dec-2017 1405 by 330	10 Analyzed: 05-Dec-2017 1405 by 330	mg/l Batch: W62175	
Total Suspended Solids USGS 3765	1600 Prep: 04-Dec-2017 1120 by 100 Analyzed: 04-Dec-2017 1432 by 100	20 Analyzed: 04-Dec-2017 1432 by 100	mg/l Batch: W62162	
Oil and Grease EPA 1664A	< 5 Prep: 08-Dec-2017 1206 by 333 Analyzed: 08-Dec-2017 1522 by 333	5 Analyzed: 08-Dec-2017 1522 by 333	mg/l Batch: B10734	

AIC No. 218479-2

Sample Identification: Storm Water Outfall 002A 29-Nov-2017 0840

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>	<u>Qualifier</u>
COD HACH 8000	88 Prep: 05-Dec-2017 0921 by 330 Analyzed: 05-Dec-2017 1405 by 330	10 Analyzed: 05-Dec-2017 1405 by 330	mg/l Batch: W62175	
Total Suspended Solids USGS 3765	1100 Prep: 04-Dec-2017 1120 by 100 Analyzed: 04-Dec-2017 1432 by 100	20 Analyzed: 04-Dec-2017 1432 by 100	mg/l Batch: W62162	
Oil and Grease EPA 1664A	< 5 Prep: 08-Dec-2017 1206 by 333 Analyzed: 08-Dec-2017 1522 by 333	5 Analyzed: 08-Dec-2017 1522 by 333	mg/l Batch: B10734	

Waste Management Eco-Vista, LLC
100 Two Pine Drive
North Little Rock, AR 72117

DUPLICATE RESULTS

Analyte	AIC No.	Result	RPD	RPD Limit	Preparation Date	Analysis Date	Dil	Qual
Total Suspended Solids	218465-1	28 mg/l			04Dec17 1120 by 100	04Dec17 1432 by 100		
	Batch: W62162 Duplicate	28 mg/l	1.44	20.0	04Dec17 1120 by 100	04Dec17 1432 by 100		
Total Suspended Solids	218473-1	26 mg/l			04Dec17 1120 by 100	04Dec17 1432 by 100		
	Batch: W62162 Duplicate	25 mg/l	1.57	20.0	04Dec17 1120 by 100	04Dec17 1432 by 100		

LABORATORY CONTROL SAMPLE RESULTS

Analyte	Spike Amount	%	Limits	RPD	Limit	Batch	Preparation Date	Analysis Date	Dil	Qual
COD	100 mg/l	102	85.0-115			W62175	05Dec17 0922 by 330	05Dec17 1300 by 330		
Oil and Grease	40 mg/l	92.0	78.0-114			B10734	08Dec17 1206 by 333	08Dec17 1522 by 333		
	40 mg/l	92.0	78.0-114	0.00	20.0	B10734	08Dec17 1206 by 333	08Dec17 1522 by 333		

MATRIX SPIKE SAMPLE RESULTS

Analyte	Sample	Spike Amount	%	Limits	Batch	Preparation Date	Analysis Date	Dil	Qual
COD	218421-1	100 mg/l	103	80.0-120	W62175	05Dec17 0922 by 330	05Dec17 1400 by 330		
	218421-1	100 mg/l	103	80.0-120	W62175	05Dec17 0922 by 330	05Dec17 1400 by 330		
	Relative Percent Difference:			0.00	10.0	W62175			

LABORATORY BLANK RESULTS

Analyte	Result	RL	PQL	QC Sample	Preparation Date	Analysis Date	Qual
COD	< 10 mg/l	10	10	W62175-1	05Dec17 0922 by 330	05Dec17 1300 by 330	
Total Suspended Solids	< 4 mg/l	4	4	W62162-1	04Dec17 1120 by 100	04Dec17 1432 by 100	
Oil and Grease	< 2 mg/l	2	5	B10734-1	08Dec17 1206 by 333	08Dec17 1522 by 333	

