Blue, Karen

From: Matoska, Maria
Sent: Monday, April 01, 2019 8:30 AM
To: Blue, Karen; Cusher, Annette
Subject: FW: WM Eco Vista Compost Facility - 2018 Annual Report (Permit 0013-SCYW: AFIN 72-00144)
Attachments: WM Eco Vista Compost_2018-Annual Report.pdf

From: Bryan Bailey [mailto:bbailey@promusengineering.com]
Sent: Friday, March 29, 2019 1:00 PM
To: Matoska, Maria; Cusher, Annette
Cc: DConrad@wm.com; Jodi Reynolds-Coffelt; csimmons@wm.com; Jodi Reynolds-Coffelt
Subject: WM Eco Vista Compost Facility - 2018 Annual Report (Permit 0013-SCYW: AFIN 72-00144)

Maria,

Please see attached 2018 Annual Report for the WM Eco Vista Compost Facility. Please let me know if you have any questions for comments.

Thanks!

Bryan W. Bailey, PE
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2018 ANNUAL REPORT

WM Eco-Vista Compost Facility

Springdale, Arkansas

Permit No. 0013-SCYW
AFIN: 72-00144

March 29, 2019
Promus Project No. 190034

Prepared for:

Waste Management of Arkansas, Inc.

Prepared by:

PROMUS ENGINEERING

221 West 2nd Street, Suite 512 | Little Rock, Arkansas 72201
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2018 ANNUAL REPORT

WM Eco-Vista Compost Facility
Permit No. 0013-SCYW AFIN: 72-00144

The following information is provided in accordance with Regulation 22.808(c) and Part II, Condition 23 of General Permit 0001-SCYW.

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

In accordance with NPDES Industrial Stormwater General Permit ARR000231, a stormwater sample was unable to be collected during the reporting period due to no discharge from the outfall. The field observation was documented on the field forms 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;

The Operating Plan was updated in February 2018 by Promus Engineering, LLC. (ADEQ Doc# 73196). There were no other 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 2018 calendar year, the site documented a "running total" of gate tons received by customer.

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

Month	Type	Material Description	Ton/Cyd	Loads	Quantity (Gate Tons)
January	5004E	GREEN WASTE EACH	CYD	1	0.64
	5004T	GREEN WASTE TONS	TON	6	9.82
			Total Monthly =		10.46
February	5004E	GREEN WASTE EACH	CYD	1	1.99
	5004T	GREEN WASTE TONS	TON	13	63.24
			Total Monthly =		65.23
March	5004E	GREEN WASTE EACH	CYD	13	6.64
	5004T	GREEN WASTE TONS	TON	14	47.35
			Total Monthly =		53.99
April	5004E	GREEN WASTE EACH	CYD	8	5.01
	5004T	GREEN WASTE TONS	TON	18	49.10
			Total Monthly =		54.11
May	5004E	GREEN WASTE EACH	CYD	9	2.00
	5004T	GREEN WASTE TONS	TON	13	70.66
			Total Monthly =		72.66
June	5004E	GREEN WASTE EACH	CYD	4	1.03
	5004T	GREEN WASTE TONS	TON	10	40.14
			Total Monthly =		41.17

Month	Type	Material Description	Ton/Cyd	Loads	Quantity (Gate Tons)
July	5004E	GREEN WASTE EACH	CYD	13	4.32
	5004T	GREEN WASTE TONS	TON	14	67.00
			Total Monthly =		71.32
August	5004E	GREEN WASTE EACH	CYD	8	1.87
	5004T	GREEN WASTE TONS	TON	8	59.30
			Total Monthly =		61.17
September	5004E	GREEN WASTE EACH	CYD	5	1.49
	5004T	GREEN WASTE TONS	TON	4	20.50
			Total Monthly =		21.99
October	5004E	GREEN WASTE EACH	CYD	3	0.84
	5004T	GREEN WASTE TONS	TON	10	38.94
			Total Monthly =		39.78
November	5004E	GREEN WASTE EACH	CYD	13	8.97
	5004T	GREEN WASTE TONS	TON	14	65.75
			Total Monthly =		74.72
December	5004E	GREEN WASTE EACH	CYD	14	9.41
	5004T	GREEN WASTE TONS	TON	10	52.87
			Total Monthly =		62.28
				Total Annual (tons) =	628.88

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

Volume of Compost Received:	628.88	gate tons, or
(Conversion of 0.254 gate tons ≈ 1 gate cubic yard (cy)	2,475.9	gate cy
i. From private parties	0	gate cy
ii. From WM service collection	2,475.9	gate cy
A conversion factor is used of 3 gate cy to 1 finished cy of processed material:	825.3	compost cy

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

The finished compost 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;

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

Volume of Processed Compost Material Removed:		825.3	compost cy
i.	Provided to private citizens	0	compost cy
ii.	Provided to Cities/Counties	0	compost cy
iii.	Provided for On-Site uses	825.3	compost cy

b) Approximately 825.3 cubic yards of processed compost material was used on the side slopes of the landfill as a soil amendment and to help vegetation during the reporting period.

6) Any other information that may affect compliance with Regulation 22.

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

Inspection Date	Comments
February 28, 2018	None
May 23, 2018	None
September 19, 2018	None
December 11, 2018	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. The General Permit Coverage was issued on June 8, 2017 and it was noted that the financial assurance requirements are included in the Eco-Vista Class 1 Landfill Closure Cost Estimate, which is updated annually with the AEIR.

Attachment A

2018 Stormwater Monitoring Results

Industrial Discharge Visual Monitoring Form

Permit Number: AR0000231

Facility Name: ECO-VISTA LANDFILL

Outfall Number: 002

Examiner's Name: E. STUDEBAKER

Examiner's Title: GEOLOGIST

Quarter/Year: 4/2018

Rainfall Amount: 0.89 INCHES

Qualifying Storm? ○ Yes ○ No

Runoff Source? ✓ Rainfall ○ Snowmelt

Date/Time Collected: 12/14/18 14:30 AM / (PM)

Date/Time Examined: 12/14/18 14:40 AM / (PM)

1. Does the stormwater appear to be colored? ..... ✓ Yes ○ No

If yes, describe

Light tan to orange

2. Is the stormwater clear or transparent? ..... ○ Yes ✓ No

If yes, which of the following best describes the clarity of the stormwater: ..... ○ Clear ○ Milky ○ Opaque

3. Can you see a rainbow sheen effect on the water surface? ..... ○ Yes ✓ No

If yes, which best describes the sheen? ..... ○ Rainbow Sheen ○ Floating Oil Globules

4. Does the sample have an odor? ..... ○ Yes ✓ No

If yes, describe

5. Is there foam or something floating on the surface of the water? ..... ○ Yes ● No

If yes, describe

6. Is there something suspended in the water column of the water? ..... ● Yes ○ No

If yes, describe

suspended fines sediments

7. Is there something settled on the bottom of the water?..... ..... ○ Yes ● No

If yes, describe

Time since last rain event

~ 4 days

Detail any concerns, corrective actions taken and any other indicators of pollution present in the water:

NONE

Stormwater Examiner's Signature

Elizabeth Studstahl

Waste Management - Eco-Vista Tontitown Stormwater Sampling Form
Permit Number: ARR000231 Revised: 04-04-2018
Stormwater Outfall Sampling/Measurements

Sampler: EWS
AR Certified Contract Laboratory: American Interplex Laboratory

Outfall	Date	Time	Velocity (f/s)	Estimated Flow (gpm)	pH 1st Reading (su)	pH 2nd / Duplicate Reading (su)	Sample / Bottles Collected	Bottle Types and Preservative			Comments
SW Outfall 002 - Eco-Vista	12/14/18	1435	~2	~~2.5~~ ~~[illegible]~~	6.98	7.07	4/1	Plastic-None Preserved-4 degrees C	Plastic-Sulfuric-4 degrees C	Glass- Sulfuric-4 degrees C	
Compost Area Outfall	NS	—	—	—	—	—	0/2	Plastic-Nitric Acid-4 degrees C	Plastic-Sulfuric-4 degrees C		

Storm Event	Date	Time Storm Event Start	Time Storm Event End	Duration (hours)	Total Rainfall (inches)	Time Since Last Measurable Storm Event (days)	Estimated Total Discharged Volume (gallons)	Comments
WM	~~12/14/18~~ 12/13/18	8:00AM	12/14 6:00PM	34	0.89	~4 days	—	

Calibration: pH (pH Method: EPA 150.1)

Date	Time	Instrument ID	Standard	Temp. of Standard	Units	Reading Prior to Calibration	Calibrated	Post Calibration Reading	Comments
12/14/18	1255	YSI Pro Plus #4	pH 7.00 su	21.5	su	6.99	Y N	7.00	Lot#: BGB250 EXP. Date: May20
		YSI Pro Plus #4	pH 4.01 su	21.5	su	4.04	Y N	4.00	BGB165 Feb19
		YSI Pro Plus #4	pH 10.0 su	21.7	su	10.04	Y N	10.06	BGF669 Jun20

SW Outfalls - Permit Parameters and Benchmark Values

Parameters	Benchmark	Units	Sample Frequency	Sample Type
Duration of Event	Report	hours	once/year	total/event
Rainfall	Report	inches	once/year	total/event
Days from Last Measurable Event	>72 hours	days	once/year	Calculated
Total Event Discharge	Report	gallons	once/year	Calculated
pH	6.0 - 9.0	su	once/year	in situ
TSS	100	mg/L	once/year	Grab
COD		mg/L	once/year	Grab
O&G		mg/L	once/year	Grab
Nitrate+Nitrite		mg/L	once/year	Grab
Phosphorus, Total		mg/L	once/year	Grab
Lead, Total		mg/L	once/year	Grab
Zinc, Total		mg/L	once/year	Grab