

VISIBLE EMISSION OBSERVATION DATA

October 1, 2018 through March 31, 2019



For

Permit No. 64381

COCHISE COUNTY WESTERN REGIONAL LANDFILL

(CCWRL)

2595 N. Sagebrush Road

Huachuca City, Arizona 85616

Martin D. Haverty
Director

Telephone: (520) 803-3770
Fax: (520) 803-3798



COCHISE COUNTY
Department of Solid Waste
2595 North Sagebrush Road
Huachuca City, Arizona 85616

May 15, 2019

Mr. Timothy Franquist Jr.,
Technical Services & Enforcement Unit Manager
Arizona Department of Environmental Quality
Air Quality Division
1110 West Washington Street
Phoenix, AZ 85007

Subject Visible Emission Observation Data for Reporting Period: October 1, 2018 through March 31, 2019 (Permit No. 64381).

Dear Mr. Franquist:

Cochise County Solid Waste Department (CCSWD) is pleased to present the Visible Emission Observation Data for Cochise County Western Regional Landfill (CCWRL) pursuant to permit number 64381 issued on December 30, 2016. The Observations were conducted during the specific period using procedures specified by the U.S. Environmental Protection Agency (EPA) Method 9 (40 CFR, Part 60).

If you have any questions or concern, please contact me at 520-803-3783.

Sincerely,

Mohd R. Hasan "Hasan"
Environmental Compliance & Safety Engineer
E-mail: mhasan@cochise.az.gov

Attachments:

Attachment A: Certification of Truth, Accuracy and Completeness

Attachment B: Visible Emission Observation Data from October 1, 2018 through March 31, 2019

Cc: Director, EPA Region IX

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For

Permit No. 64381

**COCHISE COUNTY WESTERN REGIONAL LANDFILL
(CCWRL)**

**2595 N. Sagebrush Road
Huachuca City, Arizona 85616**

Attachment A

Certification of Truth, Accuracy and Completeness

**Visible Emission Observation Data
Certification of Truth, Accuracy and Completeness**

I. General Information

Facility Name: Cochise County Western Regional Landfill
Mailing Address: 2595 N. Sagebrush Road
Huachuca City, AZ 85616

Permit Number: 64381

Contact Person: Marty Haverty
Telephone: (520) 803-3770

Reporting Period: October 1, 2018 – March 31, 2019

II. Certification of Truth, Accuracy and Completeness

Responsible Official: Marty Haverty Title: Director
Solid Waste Department

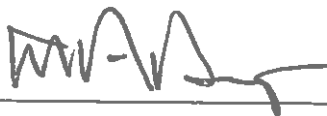
Mailing Address: 2595 N. Sagebrush Road
Huachuca City, AZ 85616

Telephone: (520) 803-3770

Certification:

I Certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.

Name (signed) _____



Name (printed or typed) Martin D. Haverty Date: 05/15/2019

Attachment B

Visible Emission Observation Data

	Initials	Date
Prepared By		
Approved By		

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1 2 3 4 5 6

Date	Name - Time	AI-Jon		D-7		D-8		scraper		Scraper	
		69900	69902	13901	13902	15900	15901				
10-6-18	westley stanford	1	0% Not	0% N/R	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not
	clear sky	2	0% Running	5% Idling	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running
	wind -3-6 MPH	3	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	Temp 71°	4	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	8:00-8:15	5	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
10-17-18	westley stanford	1	0% Not	5% Running	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not
	Partly cloudy	2	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running
	wind 0-1 MPH	3	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	Temp 75°	4	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	2:30-2:45	5	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
11-3-18	westley stanford	1	0% Idling	0% Idling	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not
	clear sky	2	0% Not	0% Idling	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running
	wind 0-5 MPH	3	0% Running	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	Temp 41°	4	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	7:15-7:30	5	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
11-17-18	westley stanford	1	0% Not	0% Running	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not
	clear sky	2	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running
	wind 0 MPH	3	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	Temp 33°	4	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	8:30-8:45	5	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
12-1-18	westley stanford	1	0% Not	0% N/R	0% Not	0% Not	5% Idling	0% Not	0% Not	0% Not	0% Not
	clear sky ^{over} Night Rail	2	0% Running	5% Idling	0% Running	0% Running	5% Idling	0% Running	0% Running	0% Running	0% Running
	wind 5-10 MPH	3	0%	0% OPNV	0%	0%	0% OPNV	0%	0%	0%	0%
	Temp 36°	4	0%	0% OPNV	0%	0%	0% OPNV	0%	0%	0%	0%
	7:30-7:45	5	0%	0% OPNV	0%	0%	0% OPNV	0%	0%	0%	0%
12-15-18	westley stanford	1	0% Not	0% Not	0% Not	5% Idling	0% Not	0% Not	0% Not	0% Not	0% Not
	clear sky	2	0% Running	0% Running	0% Running	5% Idling	0% Running	0% Running	0% Running	0% Running	0% Running
	wind 0-5 mph	3	0%	0%	0%	0% OPNV	0%	0%	0%	0%	0%
	Temp 40°	4	0%	0%	0%	0% OPNV	0%	0%	0%	0%	0%
	7:00-7:15	5	0%	0%	0%	0% OPNV	0%	0%	0%	0%	0%
12-24-18	Johnny S. Thomas	1	0% Not	5% Idling	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not	0% Not
	Cloudy	2	0% Running	5% Idling	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running	0% Running
	0-3 MPH	3	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	Temp 28°	4	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
	7:15-7:30	5	0%	0% OPNV	0%	0%	0%	0%	0%	0%	0%
1-12-19	Johnny S. Thomas	1	0% Not	5% Idling	0% Not	5% Idling	0% Not	0% Not	0% Not	0% Not	0% Not
	Partly cloudy	2	0% Running	5% Idling	0% Running	5% Idling	0% Running	0% Running	0% Running	0% Running	0% Running
	wind 0-2 MPH	3	0%	0% OPNV	0%	0% OPNV	0%	0%	0%	0%	0%
	Temp 28°	4	0%	0% OPNV	0%	0% OPNV	0%	0%	0%	0%	0%
	7:45-8:00	5	0%	0% OPNV	0%	0% OPNV	0%	0%	0%	0%	0%

1 2 3 4 5 6

		Blade	Generator	Dust
		10903		
1	10-6-18 westley stanford	1 0% NOT	0% NOT	0% DUST
2	clear sky	2 0% Running	0% Running	0% DUST
3	winds 3-6 MPH	3 0%	0%	0% DUST
4	temp 71°	4 0%	0%	0% DUST
5	8:15-8:30	5 0%	0%	0% DUST
6	10-19-18 westley stanford	1 0% NOT	0% NOT	0% DUST
7	Partly cloudy	2 0% Running	0% Running	0% DUST
8	wind 0-1 MPH	3 0%	0%	0% DUST
9	2:45-3:00	4 0%	0%	0% DUST
10	Temp 75°	5 0%	0%	0% DUST
11	11-3-18 westley stanford	1 0% NOT	0% NOT	0% DUST
12	clear sky	2 0% Running	0% Running	0% DUST
13	wind 0-5 MPH	3 0%	0%	0% DUST
14	Temp 41°	4 0%	0%	0% DUST
15	7:30-7:45	5 0%	0%	0% DUST
16	11-7-18 westley stanford	1 0% NOT	0% NOT	5% DUST
17	clear sky	2 0% Running	0% Running	5% DUST
18	wind 0-1 MPH	3 0%	0%	0% DUST
19	Temp 33°	4 0%	0%	0% DUST
20	8:45-9:00	5 0%	0%	5% DUST
21	12-1-18 westley stanford	1 0% NOT	0% NOT	0% DUST
22	clear sky ^{over} night	2 0% Running	0% Running	0% DUST
23	wind 5-10 MPH	3 0%	0%	0% DUST
24	Temp 36°	4 0%	0%	0% DUST
25	7:45-8:00	5 0%	0%	0% DUST
26	12-15-18 westley stanford	1 0% NOT	0% NOT	0% DUST
27	clear sky	2 0% Running	0% Running	0% DUST
28	wind 0-5 MPH	3 0%	0%	0% DUST
29	Temp 40°	4 0%	0%	0% DUST
30	7:15-7:30	5 0%	0%	0% DUST
31	12-29-18 Johnny S. Thomas	1 0% NOT	0% NOT	0% DUST
32	cloudy	2 0% Running	0% Running	0% DUST
33	0-3 MPH	3 0%	0%	0% DUST
34	Temp 28°	4 0%	0%	0% DUST
35	7:15-7:30	5 0%	0%	0% DUST
36	1-12-19 Johnny S. Thomas	1 0% NOT	0% NOT	0% DUST
37	Partly cloudy	2 0% Running	0% Running	0% DUST
38	wind 0-2 MPH	3 0%	0%	0% DUST
39	Temp 28°	4 0%	0%	0% DUST
40	7:45-8:00	5 0%	0%	0% DUST

	Initials	Date
Prepared By		
Approved By		

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1 2 3 4 5 6

Date	Name - Time	69900 AI-JON	69902 AI-JON	D-7 13901	D-8 13902	Scraper 15900	Scraper 15901
1-26-19	westley stanford	1 0% NOT	0% Running	0% NOT	0% NOT	0% Idling	0% NOT
	clear sky	2 0% Running	0% Running	0% Running	0% Running	0%	0% Running
	wind 0 MPH	3 0%	0% OPNV	0%	0%	0%	0%
	Temp 28°	4 0%	0% OPNV	0%	0%	0%	0%
	7:30 - 7:45	5 0%	0% OPNV	0%	0%	0%	0%
2/8/19	westley stanford	1 0% NOT	5% Running	0% NOT	5% Running	0% Idling	0% NOT
	clear sky	2 0% Running	0% Running	0% Running	0% Idling	5% Running	0% Running
	wind 0 MPH	3 0%	0% OPNV	0%	0% OPNV	0% OPNV	0%
	Temp 40°	4 0%	0% OPNV	0%	0% OPNV	0% OPNV	0%
	9:15 - 9:30	5 0%	0% OPNV	0%	0% OPNV	0% OPNV	0%
2/23/19	westley stanford	1 0% NOT	0% NOT	0% NOT	0% NOT	0% NOT	0% NOT
	clear sky muddy	2 0% Running	0% Running	0% Running	0% Running	5% Running	0% Running
	wind 0-1 mph	3 0%	0%	0%	0%	0%	0%
	Temp 40°	4 0%	0%	0%	0%	0%	0%
	12:15 - 12:30	5 0%	0%	0%	0%	0%	0%
3/7/19	westley stanford	1 0% NOT	0% Idling	0% NOT	0% NOT	0% NOT	0% NOT
	clear sky	2 0% Running	0% Idling	0% Running	0% Running	0% Running	0% Running
	wind 0-5 MPH	3 0%	0% OPNV	0%	0%	0%	0%
	Temp 26°	4 0%	0% OPNV	0%	0%	0%	0%
	7:00 - 7:15	5 0%	0% OPNV	0%	0%	0%	0%
3/23/19	westley stanford	1 0% NOT	5% Running	0% NOT	0% NOT	0% NOT	0% NOT
	clear sky	2 0% Running	5% Running	0% Running	0% Running	0% Running	0% Running
	wind 0 MPH	3 0%	0% OPNV	0%	0%	0%	0%
	Temp 42°	4 0%	0% OPNV	0%	0%	0%	0%
	7:30 - 8:45	5 0%	0% OPNV	0%	0%	0%	0%
4-5-19	Johnny S. Thomas	1 0% NOT	5% Idling	0% NOT	0% NOT	0% NOT	0% NOT
	Cloudy Sky	2 0% Running	5% Idling	0% Running	0% Running	0% Running	0% Running
	Wind 0-2mph	3 0%	0% OPNV	0%	0%	0%	0%
	Temp 55°	4 0%	0% OPNV	0%	0%	0%	0%
	8:10 - 8:25	5 0%	0% OPNV	0%	0%	0%	0%
4-26-19	Johnny S. Thomas	1 5% Idling	0% NOT	0% NOT	0% NOT	0% NOT	0% NOT
	Cloudy sky	2 5% Running	0% Running	0% Running	0% Running	0% Running	0% Running
	Wind 1-6MPH	3 0% OPNV	0%	0%	0%	0%	0%
	Temp 65°	4 0% OPNV	0%	0%	0%	0%	0%
	7:45 - 8:00	5 0% OPNV	0%	0%	0%	0%	0%

Prepared By	Initials	Date
Approved By		

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		Blade 10903	Generator	DUST
1-26-19	westley stanford	1 0% NOT	0% NOT	0% DUST
	clear sky	2 0% Running	0% Running	5% DUST
	wind 0 MPH	3 0%	0%	10% DUST
	Temp 28°	4 0%	0%	5% DUST
	7:45-8:00	5 0%	0%	5% DUST
2/8/19	westley stanford	1 0% NOT	0% NOT	5% DUST
	clear sky	2 0% Running	0% Running	5% DUST
	wind 2 MPH	3 0%	0%	10% DUST
	Temp 40	4 0%	0%	0% DUST
	9:30-9:45	5 0%	0%	0% DUST
2/24/19	westley stanford	1 0% NOT	0% NOT	0% DUST
	clear sky muddy	2 0% Running	0% Running	0% DUST
	wind 0.1 mph	3 0%	0%	0% DUST
	Temp 40°	4 0%	0%	0% DUST
	12:30-12:45	5 0%	0%	0% DUST
3/19/19	westley stanford	1 0% NOT	0% NOT	0% DUST
	clear sky	2 0% Running	0% Running	0% DUST
	wind 0-5 MPH	3 0%	0%	0% DUST
	Temp 26°	4 0%	0%	0% DUST
	7:15-7:30	5 0%	0%	0% DUST
3/23/19	westley stanford	1 0% NOT	0% NOT	0% DUST
	clear sky	2 0% Running	0% Running	0% DUST
	wind 0.1 MPH	3 0%	0%	0% DUST
	Temp 43°	4 0%	0%	0% DUST
	7:45-8:00	5 0%	0%	0% DUST
4-5-19	Johany S. Thomas	1 0% Not	0% Not	0% DUST
	cloudy sky	2 0% Running	0% Running	0% DUST
	wind 0-2 mph	3 0%	0%	0% DUST
	Temp 55°	4 0%	0%	0% DUST
	8:10-8:25	5 0%	0%	5% DUST
4-20-19	Johany S. Thomas	1 0% NOT	0% NOT	0% DUST
	cloudy sky	2 0% Running	0% Running	5% DUST
	wind 1-6 mph	3 0%	0%	0% DUST
	Temp 65°	4 0%	0%	0% DUST
	7:45-8:00	5 0%	0%	0% DUST

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)
 Method 9 203A 2038 Other: _____

Form Number _____ Page _____ of _____
 Continued on VEO Form Number _____

Company Name
COCHISE COUNTY SOLID WASTE
 Facility Name
WESTERN REGIONAL LANDFILL
 Street Address
2958 N SAGEBRUSH RD.
 City State Zip
HUACHUCA CITY AZ 85616

Process Unit # Operating Mode
Dust
 Control Equipment Operating Mode
Rain / Water Truck

Describe Emission Point
O.B.S.

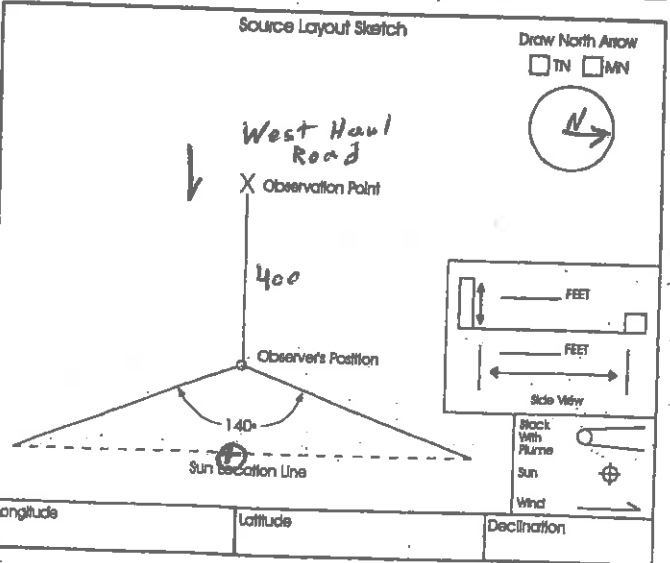
Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start End Start End
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start End Start End
400 400

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start End Start End
 Distance and Direction to Observation Point from Emission Point
 Start End
400 W 400 W

Describe Emissions
 Start End
 Emission Color Water Droplet Plume
 Start End Attached Detached None
Dust Tan Tan

Describe Plume Background
 Start End
 Background Color Sky Conditions
 Start End Start End
 Wind Speed Wind Direction
 Start End Start End
 Ambient Temp. Wet Bulb Temp. RH Percent
 Start End
40' Cell 2 Cell 3 Tan/Brown Tan/Brown Cloudy West 1-2 mph

Observation Date		Time Zone				Start Time	End Time
12-29-18						8:00	8:15
Min	Sec	0	15	30	45	Comments	
	1	0	0	0	0		
2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	0	0			
8	0	0	0	0			
9	0	0	0	0			
10	0	0	0	0			
11							
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22							
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24							
25							
26							
27							
28							
29							
30							



Longitude Latitude Declination

Additional Information

Observer's Name (Print)
Johany S. Thomas
 Observer's Signature
[Signature] Date
12-29-18
 Organization
COCHISE COUNTY SOLID WASTE
 Certified by
ARIZON SMOKE SCHOOL Date

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method (Use Circle One)
 Method 9 203A 203B Other: _____

Form Number _____ Page _____ of _____
 Continued on VEO Form Number _____

Company Name
COCHISE COUNTY SOLID WASTE
 Facility Name
WESTERN REGIONAL LANDFILL
 Street Address
2958 N. SAGEBRUSH RD.
 City
HUACHUCA CITY State **AZ** Zip **85616**

Process
Dust Unit # _____ Operating Mode _____
 Control Equipment
Rain/Water Truck Operating Mode _____

Describe Emission Point
O.B.S.

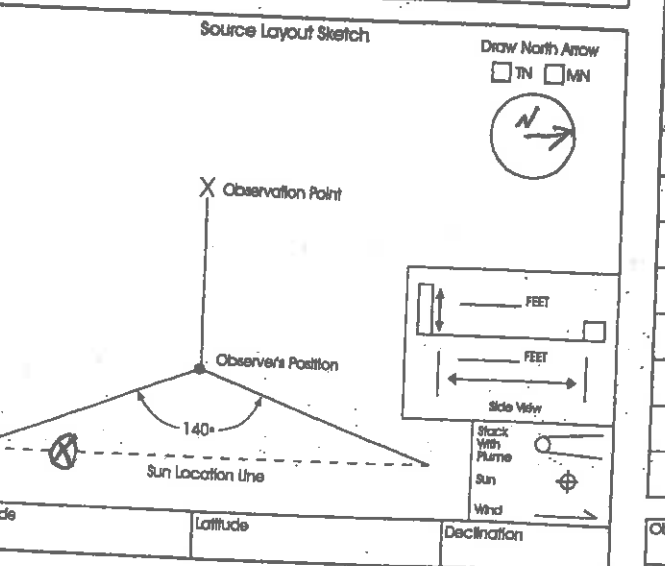
Height of Emiss. Pt.
 Start **0** End **0** Height of Emiss. Pt. Rel. to Observer
 Start _____ End _____
 Distance to Emiss. Pt.
 Start **400** End **400** Direction to Emiss. Pt. (Degrees)
 Start _____ End _____

Vertical Angle to Obs. Pt.
 Start _____ End _____ Direction to Obs. Pt. (Degrees)
 Start _____ End _____
 Distance and Direction to Observation Point from Emission Point
 Start **400 West** End **400 West**

Describe Emissions
 Start **Dust** End _____
 Emission Color
 Start **Tan** End **Tan** Water Droplet Plume
 Attached Detached None

Describe Plume Background
 Start **Cell 2/3** End _____
 Background Color
 Start **Tan/Brown** End **Tan/Brown** Sky Conditions
 Start **Cloudy** End _____
 Wind Speed
 Start **0** End _____ Wind Direction
 Start _____ End _____
 Ambient Temp.
 Start **55°** End **55°** Wet Bulb Temp.
 Start _____ End _____ RH Percent
 Start _____ End _____

Sec Min	Time Zone				Comments
	0	15	30	45	
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					



Additional Information

Observer's Name (Print)
Johany S. Thomas
 Observer's Signature
Johany S. Thomas Date
3-30-19
 Organization
COCHISE COUNTY SOLID WASTE
 Certified by
ARIZON SMOKE SCHOOL Date
3-29-19

