

**FIRST QUARTER 2022 METHANE MONITORING REPORT
COCHISE COUNTY EASTERN REGIONAL LANDFILL
ELFRIDA, AZ 85610**

**Project No. MHE – 01(b)-22
March 25, 2022**

***Prepared for:*
COCHISE COUNTY SOLID WASTE DIVISION
Huachuca City, Arizona**

***Prepared by:*
MH ENVIRONMENTAL LLC.
McKinney, Texas**

March 25, 2022

 Environmental LLC

9845 Timberwolf
McKinney, TX 75071
Phone: 469-286-5353
Email: mohdrhasan@gmail.com

Mr. Martin D. Haverty
Director
Cochise County Public Works Department
& Solid Waste Division
Western Regional Landfill
2595 North Sagebrush Rd.
Huachuca City, AZ 85616

RE: First Quarter Methane Monitoring
Cochise County Eastern Regional Landfill
MH Environmental Project No. MHE – 01(b)-22

Dear Mr. Haverty,

Enclosed are the results of the First Quarter 2022 Methane monitoring event conducted on March 21, 2022 at the Cochise County Eastern Regional Landfill. The field measurements that included gas monitoring wells and facility structures were taken by Andrew Nelson of Cochise County Solid Waste Division. The measurements in the monitoring probes were found to be below regulatory limits for the facility. These results should be placed in the Facility Operating Record.

MH Environmental appreciates the opportunity to provide this service to Cochise County Solid Waste Division. If you have any questions regarding this report, please contact the undersigned at 469-286-5353.

Sincerely,

 Environmental LLC



Mohd Hasan, "Hasan" MS Environ. Eng.
Registered Environmental Professional (REP)
Manager

Cc: *Masoud Arjmandi – ADEQ Solid Waste Unit*

Cochise County Eastern Regional Landfill
1st Quarter 2022
Methane Monitoring Records for Property Boundaries

DATE: 03/21/2022

MONITORING EQUIPMENT USED: Landtech GA – 90

MONITORING CONDUCTED BY: Andrew Nelson

LANDFILL LOCATION: 4019 W. Thompson road, Elfrida, AZ 85610

WEATHER CONDITIONS (General): Sunny/Cloudy, approximately 67° F

Monitoring Point	Performance Criteria	*% Methane by Vol. of Air	% LEL Methane	% Oxygen	Time (PM)	Comments
GMP-1	100% LEL	0.0	0.0	18.6	12:54	
GMP-2	100% LEL	0.0	0.0	19.3	1:00	
GMP-3	100% LEL	0.0	0.0	19.3	1:05	
GMP-4	100% LEL	0.0	0.0	19.5	1:10	
GMP-5	100% LEL	0.0	0.0	17.3	1:15	
GMP-6	100% LEL	0.0	0.0	18.1	1:20	
GMP-7	100% LEL	0.5	10	15.2	1:27	
GMP-8	100% LEL	0.0	0.0	18.3	1:33	

* 5% Methane by Volume of Air is equal to 100% LEL
 Values in BOLD exceed Lower Explosive Limit (LEL)

Cochise County Eastern Regional Landfill
1st Quarter 2022
Methane Monitoring Records for Facility Structures

DATE: 03 /21/2022

MONITORING EQUIPMENT USED: Landtech GA – 90

MONITORING CONDUCTED BY: Andrew Nelson

LANDFILL LOCATION: 4019 W. Thompson road, Elfrida, AZ 85610

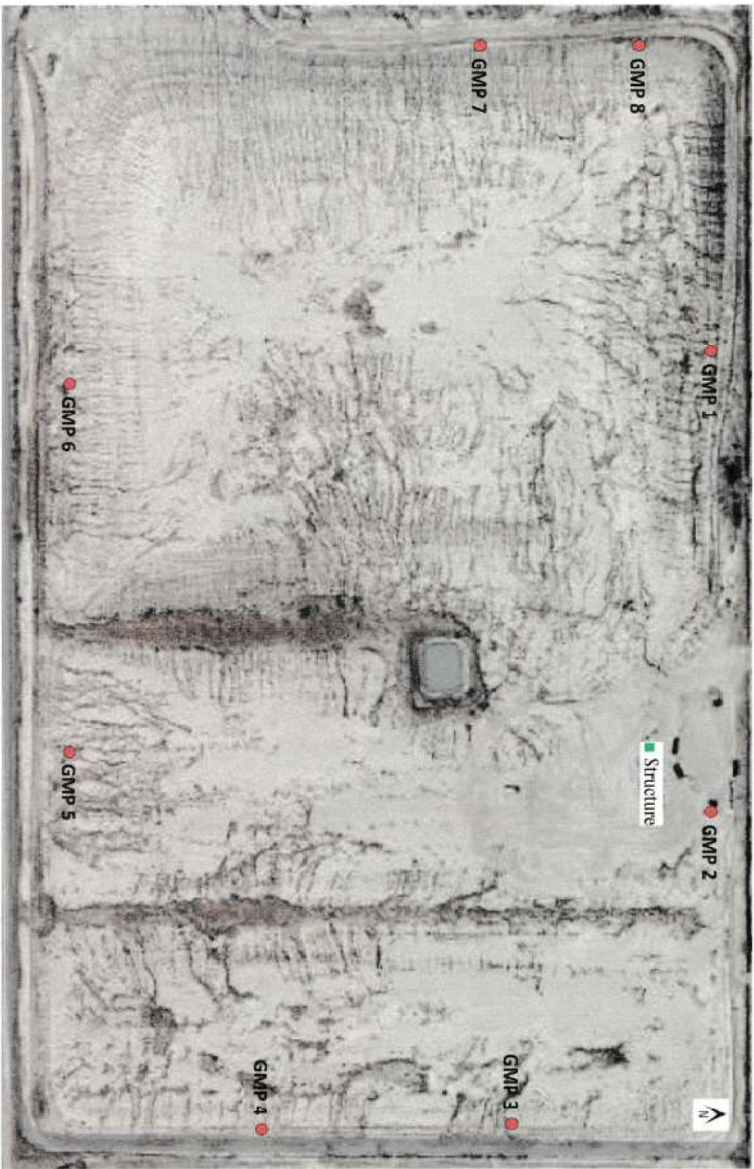
WEATHER CONDITIONS (General): Sunny/Cloudy, approximately 67° F


Monitoring Point	Performance Criteria	*% Methane by Vol. of Air	% LEL Methane	% Oxygen	Time (PM)	Comments
Fee shed	100% LEL	0.0	0.0	20.3	1:45	

* 5% Methane by Volume of Air is equal to 100% LEL. Values in BOLD exceed Lower Explosive Limit (LEL)

NOTE:

1. Monitoring is to be conducted first thing in the morning before employees start coming in, or on a day when the Rural Transfer Station is closed and the A/C or heating unit is off to avoid dilution of any suspected Methane gas.
2. No open flame like cigarette lighter, candle etc. should be ignited.
3. Equipment reading is to be taken at or near the ceiling level as Methane tends to accumulate at a higher level due to its specific gravity being less than that of air.



<p>LEGEND</p> <ul style="list-style-type: none"> ● Approximate Gas Monitoring Point-GMP ■ Structure 	 okov Environmental LLC.	LANDFILL GAS MONITORING LOCATIONS EASTERN REGIONAL LANDFILL (ERL) COCHISE COUNTY, ARIZONA	FIG # 2
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