

April 15, 2024

14747 San Fernando Road  
Sylmar, CA 91342

Mr. David Nguyen  
Senior Civil Engineer  
County of Los Angeles, Department of Public Works  
900 South Fremont Avenue  
Alhambra, CA 91803-1331

RE: Sunshine Canyon City/County Landfill  
Monthly Activity Reporting – March 2024

Dear Mr. Nguyen,

By letter dated October 22, 2014, the County of Los Angeles, Department of Public Works (DPW) requested the submittal of a monthly activity report providing information on operational activities and occurrences at the landfill. In response to this request, the monthly activity report for the month of March 2024 is attached.

In addition to the attached report, the following information is provided:

- The installation of vertical gas wells and horizontal collectors are done in accordance with the procedures contained in the 'Construction Emissions and Odors Reduction Written Procedures' submitted to the South Coast Air Quality Management District (SCAQMD) on December 9, 2011.
- All flare shutdowns/startups are reported to SCAQMD as required and the corresponding Forms 500-N, Title V – Deviations, Emergencies and Breakdowns are submitted to SCAQMD on a monthly basis.
- During the month of March 2024, all flares operated in compliance with the site's Title V permit conditions;
- The data from the on-site weather stations is located at the SCL office and the southern berm portion of the City South portion of the landfill for March 2024.
- The LEA monthly inspection report for February 2024 was not provided to SCL by March 15, 2024. SCL will include it in March's Monthly Activity Report. The report includes a detailed description of the site observations made by the LEA.

Please do not hesitate to contact me if you have any questions, please contact me at (818) 923-4816 or at [AAsaro@republicservices.com](mailto:AAsaro@republicservices.com)

Thank you,

*Andrew Asaro*

Andrew Asaro  
Environmental Specialist  
**Sunshine Canyon Landfill**

Appendix A – March 2024 Hourly Weather Data

Appendix B – January 2024 LEA Inspection Report

Appendix C – March 2024 Weekly Grid Inspections

**SUNSHINE CANYON LANDFILL MONTHLY ACTIVITY REPORT**  
**March 2024**

Location/System	Activity	Date		Actions Taken or Comments
		Start	End	
<b>Environmental Control Systems</b>				
New or replaced vacuum laterals	Installation of new vacuum laterals	3/1/2024	3/31/2024	Continued improvement of the sites GCCS infrastructure.
Drainage facilities	Routine maintenance	3/1/2024	3/31/2024	Inspection of all water conveyance systems including basins to ensure integrity of the system. Removal of any large materials from drain channels blocking drainpipes or that could potentially lead to blockage. Cleaning out and around down drains and material from v-ditches. Regrading of roads to allow proper drainage.
Groundwater control monitoring systems	No work was performed	3/1/2024	3/31/2024	
Surface water control systems	Routine site maintenance	3/1/2024	3/31/2024	Continued track walking additional soils on erosion rills on slopes. Repairing of down drains. Repairs and improvement to berms directing watering into proper conveyance. Ensuring all grades and slopes promote proper drainage to water conveyance systems and to prevent ponding on trash surfaces.
Leachate control system	Installation or repair of pumps in vertical gas wells	3/1/2024	3/31/2024	Continued improvements include installation of additional chemicals into the system to reduce scaling and foaming of liquids to reduce clogging.
Sewer system	No breakdowns or shutdowns	3/1/2024	3/31/2024	
<b>Breakdowns, Malfunctions, Temporary Shutdowns of Any Permanent or Temporary Environmental Control System</b>				
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/1/2024	3/1/2024	Friday, 3/1/2024, at 11:40 AM Sunshine Canyon Landfill received a Narcotics Load (Marijuana contained in recycled cardboard boxes) from the LAPD weighing a total of 0.23 tons.
Special Occurrence - Reported in Monthly LEA Report	Soil Cover	3/2/2024	3/2/2024	On Saturday 3/2/24 the site team was unable to cover the entirety of the working face with 6-in of compacted soil due to conditions caused by the rain experienced that day. The rain created safety concerns for the operators as the wet ground caused rock trucks to slide down the ramp going into the working face and a dozer to sink into the upper deck. With that being said, a portion of the working face was covered partly with soil and partly with Envirocover. That is, no trash was left exposed or uncovered. The Envirocover was inspected for integrity and was intact Monday morning prior to Monday's fill activities.
Special Occurrence - Reported in Monthly LEA Report	Radiation Load	3/4/2024	3/4/2024	Monday, 3/4/2024, at 10:40 AM Sunshine Canyon Landfill received a Radiation Load from American Transfer Station (SAR Trucking). The load has been quarantined and is awaiting approval for burial from the LA County Department of Public Health Radiation Management Division.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/4/2024	3/4/2024	Monday, 3/4/2024, Sunshine Canyon Landfill received a Notice of Violation for SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/5/2024	3/5/2024	Tuesday, 3/5/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/7/2024	3/7/2024	Thursday, 3/7/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/8/2024	3/8/2024	Friday, 3/8/2024, Sunshine Canyon Landfill received 3 Narcotics Loads (Marijuana contained in recycled cardboard boxes) from the LAPD between 1:34PM-3:23PM. These 3 loads weighed a total of 0.43 tons.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/8/2024	3/8/2024	Friday, 3/8/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/11/2024	3/11/2024	Monday, 3/11/2024, Sunshine Canyon Landfill received a Narcotics Loads (Marijuana contained in recycled cardboard boxes) from the LAPD between at 4:39 PM with a total weight of 0.11 tons.

Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/13/2024	3/13/2024	Wednesday, 3/13/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/13/2024	3/13/2024	Wednesday, 3/13/2024, Sunshine Canyon Landfill received a Narcotics Loads (Marijuana contained in recycled cardboard boxes) from the LAPD between at 2:09 PM with a total weight of 0.16 tons.
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/14/2024	3/14/2024	Thursday, 3/14/2024, Sunshine Canyon Landfill received a Narcotics Loads (Marijuana Product) from the LA County Sheriffs Department between at 3:10 PM with a total weight of 3.87 tons.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/15/2024	3/15/2024	Friday, 3/15/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/18/2024	3/18/2024	Monday, 3/18/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	Helicopter Landing	3/20/2024	3/20/2024	Wednesday (3/20/2023) at 10:29 AM, SCL staff observed a LAFD red and black helicopter touchdown and takeoff at the helipads located in City South.
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/21/2024	3/21/2024	Thursday, 3/21/2024, Sunshine Canyon Landfill received a Narcotics Loads (SW-Off Spec Material) from the LAPD between at 12:39 PM with a total weight of 0.14 tons.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/21/2024	3/21/2024	Thursday, 3/21/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged failures to comply with Rule 1150.1 on 2/25/2024.
Special Occurrence - Reported in Monthly LEA Report	Trash Truck Fire	3/23/2024	3/23/2024	On Saturday, 3/23/2024, at 8:00AM SCL received a City of LA truck with its contents on fire. The driver dumped the load in front of the scale house and called the fire department. The fire was put out by one of the water trucks on site and was contained by the time the fire department arrived. There were no injuries to the driver or personnel and no damage to any SCL equipment.
Special Occurrence - Reported in Monthly LEA Report	Truck Broken Into	3/23/2024	3/23/2024	On Saturday, 3/23/2024, maintenance service truck (ST17A027) was broken into and the tools inside were stolen. The maintenance mechanics found the service vehicle and reported the incident immediately. The parking lot cameras will be checked and statement forms will be filled out.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/27/2024	3/27/2024	Wednesday, 3/27/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.
Special Occurrence - Reported in Monthly LEA Report	Helicopter Landing	3/27/2024	3/27/2024	Wednesday (3/27/2023) at 3:47 PM, SCL staff observed a LAFD red and black helicopter touchdown and takeoff at the helipads located in City South.
Special Occurrence - Reported in Monthly LEA Report	Narcotics Load	3/29/2024	3/29/2024	Friday, 3/29/2024, Sunshine Canyon Landfill received a Narcotics Loads (Marijuana Contained in Recycled Cardboard Boxes) from the LAPD at 10:13 AM with a total weight of 0.15 tons.
Special Occurrence - Reported in Monthly LEA Report	NOV Issued	3/31/2024	3/31/2024	Sunday, 3/31/2024, Sunshine Canyon Landfill received a Notice of Violation from the SCAQMD for alleged odors.

**Cover Inspections**

Please refer to Daily Cover Inspection Log. Daily inspections were conducted.

	City		County				
	#Grids Monitored	#of Grids with Exceedances	#Grids Monitored	#of Grids with Exceedances			
Instantaneous SEM	229	27	142	35			
Integrated SEM	119	51	104	51			

For March 2024 surface emission monitoring 371 integrated and 223 instantaneous grids were monitored. For the integrated grids 102 out of 371 did not pass the initial monitoring. Of the 102 integrated grids that did not pass the initial monitoring, 74 passed the first 10-day recheck, 28 did not pass the first 10-day check but have since pass the second 10-day recheck. For the instantaneous grids 62 out of 223 did not pass the initial monitoring. Of the 62 instantaneous grids that did not pass the initial monitoring, 53 passed the first 10-day recheck, 9 did not pass

# APPENDIX A

## March 2024 HOURLY WEATHER DATA

<b>TIMESTAMP</b>	<b>Wind Speed</b>	<b>Temperature</b>	<b>Rain Gage</b>	<b>Direction</b>	<b>Notes</b>
3/1/2024 0:00	6.793	48.2	0	S	
3/1/2024 1:00	3.909	47.93	0	SSE	
3/1/2024 2:00	5.959	47.48	0	S	
3/1/2024 3:00	5.213	47.27	0	S	
3/1/2024 4:00	5.973	46.9	0	SSE	
3/1/2024 5:00	3.953	46.85	0	S	
3/1/2024 6:00	4.913	47.02	0	S	
3/1/2024 7:00	4.749	47.08	0	SSE	
3/1/2024 8:00	4.563	47.15	0	S	
3/1/2024 9:00	7.086	48.17	0	SSE	
3/1/2024 10:00	8.34	49.12	0	SSE	
3/1/2024 11:00	9.31	50.87	0	SSE	
3/1/2024 12:00	7.373	50.54	0	SSE	
3/1/2024 13:00	6.96	50.71	0.01	SSE	
3/1/2024 14:00	9.64	51.68	0	SSE	
3/1/2024 15:00	10.27	52.34	0	SSE	
3/1/2024 16:00	10.09	52.14	0	SSE	
3/1/2024 17:00	11.25	51.45	0	SSE	
3/1/2024 18:00	10.79	50.18	0.04	SSE	
3/1/2024 19:00	11.19	49.2	0.09	SSE	
3/1/2024 20:00	11.29	49.65	0.05	SSE	
3/1/2024 21:00	11.93	49.83	0.09	SSE	
3/1/2024 22:00	11.28	49.94	0.2	SSE	
3/1/2024 23:00	9.72	50	0.26	SSE	
3/2/2024 0:00	9	50.35	0.13	SSE	
3/2/2024 1:00	7.757	50.17	0.02	SSE	
3/2/2024 2:00	9.45	49.96	0.01	SSE	
3/2/2024 3:00	8.97	49.61	0.06	SSE	
3/2/2024 4:00	9.36	49.22	0.06	SSE	
3/2/2024 5:00	9.88	49.23	0.06	SSE	
3/2/2024 6:00	8.9	48.97	0.06	SSE	
3/2/2024 7:00	12.33	48.87	0.01	SE	
3/2/2024 8:00	11.38	48.68	0.08	SSE	
3/2/2024 9:00	12.39	48.74	0.04	SSE	
3/2/2024 10:00	10.18	48.03	0.02	SSW	
3/2/2024 11:00	8.46	49.41	0.1	S	
3/2/2024 12:00	10.29	50.63	0.03	S	
3/2/2024 13:00	12.86	49.93	0.12	SW	
3/2/2024 14:00	8.02	50.4	0	S	
3/2/2024 15:00	14.78	50.4	0.04	SW	
3/2/2024 16:00	10.48	50.75	0	SW	
3/2/2024 17:00	10.42	50.42	0	SSW	
3/2/2024 18:00	8.53	49.82	0	SSW	
3/2/2024 19:00	4.73	48.89	0	SSE	
3/2/2024 20:00	4.899	48.34	0	S	
3/2/2024 21:00	5.499	47.6	0	SSW	

3/2/2024 22:00	6.13	46.91	0	SSE
3/2/2024 23:00	5.713	46.11	0.02	S
3/3/2024 0:00	6.439	45.74	0	SSW
3/3/2024 1:00	4.529	45.32	0.09	S
3/3/2024 2:00	5.645	45.38	0.02	SSW
3/3/2024 3:00	5.416	45.45	0	SW
3/3/2024 4:00	5.997	45.25	0	SSW
3/3/2024 5:00	3.981	44.95	0.03	SSE
3/3/2024 6:00	6.185	44.49	0.07	SE
3/3/2024 7:00	8.02	44.56	0.03	SE
3/3/2024 8:00	8.1	45.17	0.01	SE
3/3/2024 9:00	6.445	46.22	0.02	SSE
3/3/2024 10:00	5.342	46.86	0	SSE
3/3/2024 11:00	5.874	48.86	0.01	SSE
3/3/2024 12:00	8.84	51.33	0	S
3/3/2024 13:00	10.26	53.54	0	SSW
3/3/2024 14:00	9.49	54.12	0	SW
3/3/2024 15:00	9	54.2	0	SW
3/3/2024 16:00	10.23	53.25	0	SW
3/3/2024 17:00	6.56	52.14	0	SSW
3/3/2024 18:00	4.137	50.37	0	SE
3/3/2024 19:00	4.916	48.9	0	S
3/3/2024 20:00	4.939	47.65	0	S
3/3/2024 21:00	3.291	47.22	0	S
3/3/2024 22:00	3.462	47.25	0	SSW
3/3/2024 23:00	3.973	47.24	0	S
3/4/2024 0:00	4.216	46.63	0	SSE
3/4/2024 1:00	5.087	46.16	0	SSE
3/4/2024 2:00	5.543	45.81	0	S
3/4/2024 3:00	2.799	45.73	0	SE
3/4/2024 4:00	2.753	44.46	0	ESE
3/4/2024 5:00	4.379	44.62	0	ESE
3/4/2024 6:00	3.724	44.36	0	ESE
3/4/2024 7:00	2.792	44.19	0	NE
3/4/2024 8:00	8.73	46.9	0	NW
3/4/2024 9:00	12.78	48.9	0	NW
3/4/2024 10:00	10.69	50.99	0	NNW
3/4/2024 11:00	7.401	53.41	0	NNW
3/4/2024 12:00	5.343	56.77	0	SW
3/4/2024 13:00	7.314	56.95	0	SE
3/4/2024 14:00	8.55	57.53	0	SE
3/4/2024 15:00	8.5	57.54	0	SE
3/4/2024 16:00	6.728	57.05	0	SSE
3/4/2024 17:00	9.12	54.61	0	SSW
3/4/2024 18:00	6.626	53.57	0	S
3/4/2024 19:00	3.465	51.39	0	SSW
3/4/2024 20:00	1.619	50.48	0	SSE



3/4/2024 21:00	1.332	49.11	0	NE
3/4/2024 22:00	4.826	48.34	0	NW
3/4/2024 23:00	5.194	47.69	0	NW
3/5/2024 0:00	5.759	46.96	0	NW
3/5/2024 1:00	7.01	46.8	0	NW
3/5/2024 2:00	6.396	46.24	0	NNW
3/5/2024 3:00	7.218	47.01	0	NW
3/5/2024 4:00	4.287	47.13	0	NW
3/5/2024 5:00	5.096	45.36	0	NNW
3/5/2024 6:00	4.397	44.1	0	N
3/5/2024 7:00	4.784	44.56	0	NW
3/5/2024 8:00	8.28	47.66	0	NNW
3/5/2024 9:00	8.14	50.51	0	NNW
3/5/2024 10:00	4.319	54	0	NNE
3/5/2024 11:00	5.711	56.48	0	SE
3/5/2024 12:00	6.692	57.54	0	SSE
3/5/2024 13:00	7.559	58.63	0	SE
3/5/2024 14:00	6.256	60.52	0	SSE
3/5/2024 15:00	7.187	60.44	0	SE
3/5/2024 16:00	7.01	59.62	0	SSE
3/5/2024 17:00	9.25	57.38	0	SSE
3/5/2024 18:00	8.73	55.12	0	SSE
3/5/2024 19:00	8.11	52.62	0	SSE
3/5/2024 20:00	6.602	50.4	0	SE
3/5/2024 21:00	6.834	49.28	0	SSE
3/5/2024 22:00	5.637	48.73	0	S
3/5/2024 23:00	3.857	48.67	0	S
3/6/2024 0:00	3.166	48.84	0	SSW
3/6/2024 1:00	1.793	47.85	0	E
3/6/2024 2:00	5.842	47.18	0	S
3/6/2024 3:00	5.12	46.71	0	SSW
3/6/2024 4:00	4.331	47.13	0	SSW
3/6/2024 5:00	4.543	47.36	0	SE
3/6/2024 6:00	5.535	47.11	0	SSE
3/6/2024 7:00	5.25	46.75	0	SSE
3/6/2024 8:00	6.618	47.1	0	SE
3/6/2024 9:00	6.869	50.02	0	SSE
3/6/2024 10:00	8.3	51.79	0	SE
3/6/2024 11:00	8.46	53.48	0	SSE
3/6/2024 12:00	8.53	52.67	0	SSE
3/6/2024 13:00	6.543	50.53	0.03	S
3/6/2024 14:00	6.238	50.77	0.09	S
3/6/2024 15:00	12.74	48.8	0.13	SSE
3/6/2024 16:00	13.66	48.47	0.08	SE
3/6/2024 17:00	12.81	47.4	0.13	SSE
3/6/2024 18:00	11.44	47.36	0.15	SSE
3/6/2024 19:00	6.678	46.65	0.29	SSE

3/6/2024 20:00	4.834	45.78	0.22	SE
3/6/2024 21:00	7.329	45.74	0.08	SSE
3/6/2024 22:00	3.914	46.26	0	SE
3/6/2024 23:00	5.129	45.3	0	WNW
3/7/2024 0:00	7.631	45.28	0	WNW
3/7/2024 1:00	10	45.26	0	NW
3/7/2024 2:00	7.761	44.87	0	NW
3/7/2024 3:00	10.62	44.52	0	NW
3/7/2024 4:00	11.16	44.38	0	NW
3/7/2024 5:00	14.25	44	0	NNW
3/7/2024 6:00	10.95	43.77	0	NW
3/7/2024 7:00	10.24	43.84	0	NW
3/7/2024 8:00	14.73	46.96	0	NNW
3/7/2024 9:00	16.12	50.07	0	NNW
3/7/2024 10:00	14.74	52.3	0	NNW
3/7/2024 11:00	16.73	54.86	0	NNW
3/7/2024 12:00	19.12	55.91	0	NNW
3/7/2024 13:00	14.3	57.32	0	NNW
3/7/2024 14:00	10.88	58.63	0	NNW
3/7/2024 15:00	8.51	57.99	0	NNW
3/7/2024 16:00	11.66	57.06	0	NNW
3/7/2024 17:00	11.78	54	0	WNW
3/7/2024 18:00	9.1	53.62	0	NNW
3/7/2024 19:00	12.88	52.9	0	NNW
3/7/2024 20:00	17.58	51.79	0	NW
3/7/2024 21:00	19.79	51.36	0	NW
3/7/2024 22:00	21.19	51.59	0	NW
3/7/2024 23:00	17.9	50.92	0	NNW
3/8/2024 0:00	14.71	49.59	0	NNW
3/8/2024 1:00	12.59	48.18	0	NNW
3/8/2024 2:00	13.62	48.88	0	NNW
3/8/2024 3:00	12.77	48.16	0	NW
3/8/2024 4:00	11.7	48.1	0	NNW
3/8/2024 5:00	12.47	49.36	0	NNW
3/8/2024 6:00	12.52	50.55	0	NNW
3/8/2024 7:00	11.7	50.91	0	NNW
3/8/2024 8:00	10.77	52.38	0	NNW
3/8/2024 9:00	8.48	55.02	0	NW
3/8/2024 10:00	16.2	57.89	0	N
3/8/2024 11:00	18.79	59.55	0	N
3/8/2024 12:00	16.88	60.93	0	N
3/8/2024 13:00	15.07	62.57	0	N
3/8/2024 14:00	15.55	63.86	0	N
3/8/2024 15:00	15.45	64.92	0	N
3/8/2024 16:00	13.54	65.17	0	N
3/8/2024 17:00	11.95	64.84	0	NNE
3/8/2024 18:00	7.542	62.54	0	ENE

3/8/2024 19:00	4.884	57.3	0	S
3/8/2024 20:00	2.88	54.68	0	S
3/8/2024 21:00	4.302	53.76	0	WNW
3/8/2024 22:00	9.81	53.54	0	NW
3/8/2024 23:00	10.15	52.16	0	NW
3/9/2024 0:00	13.93	51.74	0	NNW
3/9/2024 1:00	14.32	50.6	0	NNW
3/9/2024 2:00	12.63	50.58	0	NW
3/9/2024 3:00	5.915	50.31	0	NNW
3/9/2024 4:00	9.49	48.7	0	NNW
3/9/2024 5:00	11.77	50.3	0	NNW
3/9/2024 6:00	13.47	48.51	0	NNW
3/9/2024 7:00	15.07	49.35	0	NNW
3/9/2024 8:00	11.38	51.44	0	NNW
3/9/2024 9:00	7.358	56.42	0	NNW
3/9/2024 10:00	4.543	58.41	0	NE
3/9/2024 11:00	4.903	62.73	0	E
3/9/2024 12:00	5.906	64.7	0	SE
3/9/2024 13:00	6.141	66.48	0	ESE
3/9/2024 14:00	7.519	67.61	0	S
3/9/2024 15:00	5.787	68.44	0	S
3/9/2024 16:00	8.32	66.64	0	WSW
3/9/2024 17:00	8.4	63.86	0	WSW
3/9/2024 18:00	7.763	60.91	0	W
3/9/2024 19:00	2.402	58.5	0	NNW
3/9/2024 20:00	3.951	57.01	0	E
3/9/2024 21:00	3.508	54.19	0	NNW
3/9/2024 22:00	4.987	54.01	0	NW
3/9/2024 23:00	6.011	53.99	0	NW
3/10/2024 0:00	5.026	53.6	0	NW
3/10/2024 1:00	6.489	52.63	0	NW
3/10/2024 2:00	6.741	52.01	0	NW
3/10/2024 3:00	5.207	53.77	0	NW
3/10/2024 4:00	3.162	51.13	0	NW
3/10/2024 5:00	2.774	50.1	0	NNW
3/10/2024 6:00	3.889	48.83	0	NNW
3/10/2024 7:00	4.881	50.05	0	NW
3/10/2024 8:00	4.906	52.67	0	NNW
3/10/2024 9:00	4.193	54.96	0	N
3/10/2024 10:00	3.03	57.82	0	ENE
3/10/2024 11:00	5.33	60.61	0	ESE
3/10/2024 12:00	5.674	61.8	0	SSE
3/10/2024 13:00	7.589	62.52	0	S
3/10/2024 14:00	7.827	64.2	0	S
3/10/2024 15:00	6.969	65.31	0	SSE
3/10/2024 16:00	8.65	64.29	0	SSE
3/10/2024 17:00	8.31	62.76	0	S

3/10/2024 18:00	7.094	58.33	0	WSW
3/10/2024 19:00	2.376	56.3	0	WNW
3/10/2024 20:00	3.676	54.4	0	NE
3/10/2024 21:00	3.791	52.76	0	ENE
3/10/2024 22:00	2.124	51.27	0	SE
3/10/2024 23:00	2.013	50.94	0	S
3/11/2024 0:00	2.871	50.23	0	SSE
3/11/2024 1:00	5.042	50.26	0	S
3/11/2024 2:00	5.021	49.72	0	SSW
3/11/2024 3:00	5.292	47.66	0	SSE
3/11/2024 4:00	7.024	45.97	0	SSE
3/11/2024 5:00	6.318	45.2	0	S
3/11/2024 6:00	3.862	45.52	0	SSE
3/11/2024 7:00	4.31	46.6	0	S
3/11/2024 8:00	3.404	49.93	0	SSE
3/11/2024 9:00	4.422	50.99	0	SSE
3/11/2024 10:00	6.548	54.28	0	SE
3/11/2024 11:00	7.145	56.55	0	SE
3/11/2024 12:00	8.12	58.1	0	SSE
3/11/2024 13:00	8.29	59.97	0	SSE
3/11/2024 14:00	8.58	59.18	0	SSE
3/11/2024 15:00	9.67	57.96	0	SE
3/11/2024 16:00	9.76	58.28	0	SE
3/11/2024 17:00	6.47	57.89	0	SW
3/11/2024 18:00	9.73	53.95	0	WSW
3/11/2024 19:00	6.466	52.28	0	SW
3/11/2024 20:00	4.36	51.58	0	S
3/11/2024 21:00	2.986	51.04	0	SSE
3/11/2024 22:00	4.7	50.45	0	ESE
3/11/2024 23:00	5.272	50.08	0	SSE
3/12/2024 0:00	4.923	49.91	0	SSW
3/12/2024 1:00	2.902	50.22	0	SSE
3/12/2024 2:00	5.078	49.27	0	S
3/12/2024 3:00	4.253	48.53	0	S
3/12/2024 4:00	2.214	48.43	0	SSW
3/12/2024 5:00	3.966	48.42	0	S
3/12/2024 6:00	3.124	47.95	0	S
3/12/2024 7:00	3.507	47.68	0	SSE
3/12/2024 8:00	3.33	48.41	0	S
3/12/2024 9:00	4.028	51.32	0	SE
3/12/2024 10:00	5.492	55.23	0	SE
3/12/2024 11:00	5.972	57.58	0	SSE
3/12/2024 12:00	6.245	60.2	0	SSE
3/12/2024 13:00	7.924	61.78	0	SSE
3/12/2024 14:00	7.344	63.01	0	SSE
3/12/2024 15:00	8.22	64.03	0	SSE
3/12/2024 16:00	9.75	60.17	0	SE

3/12/2024 17:00	8.91	57.75	0	SSE
3/12/2024 18:00	7.865	55.36	0	SE
3/12/2024 19:00	8.92	53.79	0	SSE
3/12/2024 20:00	8.16	53.01	0	SSE
3/12/2024 21:00	5.778	51.9	0	S
3/12/2024 22:00	4.023	50.8	0	S
3/12/2024 23:00	4.191	50.03	0	S
3/13/2024 0:00	5.029	49.57	0	SSW
3/13/2024 1:00	2.358	49.41	0	SSW
3/13/2024 2:00	3.676	48.9	0	SW
3/13/2024 3:00	12.62	52.19	0	NNW
3/13/2024 4:00	20.37	51.59	0	NNW
3/13/2024 5:00	23.14	51.91	0	N
3/13/2024 6:00	26.1	51.38	0	NW
3/13/2024 7:00	22.23	50.66	0	NNW
3/13/2024 8:00	24.57	51.13	0	NNW
3/13/2024 9:00	28.47	52.06	0	NNW
3/13/2024 10:00	28.77	53.59	0	NNW
3/13/2024 11:00	27.23	55.57	0	NW
3/13/2024 12:00	28.53	56.65	0	NW
3/13/2024 13:00	21.45	59.33	0	NW
3/13/2024 14:00	18.41	60	0	NNW
3/13/2024 15:00	17.84	60.46	0	NNW
3/13/2024 16:00	17.45	58.12	0	NW
3/13/2024 17:00	19.02	56.33	0	NW
3/13/2024 18:00	21.44	55.88	0	NNW
3/13/2024 19:00	24.67	54.09	0	NNW
3/13/2024 20:00	23.9	52.36	0	NNW
3/13/2024 21:00	29.4	52	0	NW
3/13/2024 22:00	35.66	51.9	0	NW
3/13/2024 23:00	30.8	51.64	0	NW
3/14/2024 0:00	27.43	51.01	0	NW
3/14/2024 1:00	25.61	50.39	0	NNW
3/14/2024 2:00	27.8	50.88	0	NNW
3/14/2024 3:00	29.01	50.57	0	NNW
3/14/2024 4:00	33.22	51.76	0	NNW
3/14/2024 5:00	31.22	52.06	0	N
3/14/2024 6:00	30.02	51.16	0	N
3/14/2024 7:00	27.17	50.73	0	N
3/14/2024 8:00	32.12	51.09	0	N
3/14/2024 9:00	37.95	51.43	0	N
3/14/2024 10:00	37.9	52.39	0	N
3/14/2024 11:00	34.09	53.56	0	NNE
3/14/2024 12:00	30.93	55.37	0	NNE
3/14/2024 13:00	29.27	56.41	0	NNE
3/14/2024 14:00	28.44	57.37	0	NNE
3/14/2024 15:00	25.65	58.5	0	NNE

3/14/2024 16:00	24.19	59.44	0	NE
3/14/2024 17:00	17.15	60.1	0	NNE
3/14/2024 18:00	21.45	60.55	0	N
3/14/2024 19:00	20.93	57.69	0	NNW
3/14/2024 20:00	20.27	54.59	0	NW
3/14/2024 21:00	21.74	53.85	0	NNW
3/14/2024 22:00	19.11	53.27	0	NW
3/14/2024 23:00	13.57	52.17	0	NNW
3/15/2024 0:00	22.32	53.13	0	NNW
3/15/2024 1:00	15.79	52.61	0	N
3/15/2024 2:00	16.03	52.29	0	N
3/15/2024 3:00	10.15	51.85	0	NNW
3/15/2024 4:00	10.39	51.11	0	NW
3/15/2024 5:00	15.24	51.97	0	NW
3/15/2024 6:00	16.47	52.09	0	NNW
3/15/2024 7:00	14.16	52.25	0	NW
3/15/2024 8:00	15.3	52.95	0	NW
3/15/2024 9:00	13.18	55.78	0	NW
3/15/2024 10:00	9.01	58.48	0	N
3/15/2024 11:00	17.84	59.34	0	NNE
3/15/2024 12:00	17.82	60.22	0	NNE
3/15/2024 13:00	11.7	58.76	0	NNE
3/15/2024 14:00	11.56	60.38	0	N
3/15/2024 15:00	13.94	59.47	0	NNE
3/15/2024 16:00	13.87	58.44	0	N
3/15/2024 17:00	12.9	57.47	0	N
3/15/2024 18:00	14.15	55.97	0	N
3/15/2024 19:00	17.01	53.94	0	NNW
3/15/2024 20:00	14.5	52.41	0	NW
3/15/2024 21:00	13.29	51.82	0	NW
3/15/2024 22:00	8.54	51.7	0	WNW
3/15/2024 23:00	3.346	50.8	0	ESE
3/16/2024 0:00	4.165	50.23	0	SSW
3/16/2024 1:00	2.902	49.18	0	SSW
3/16/2024 2:00	3.086	48.76	0	SSW
3/16/2024 3:00	4.787	48.73	0	SSW
3/16/2024 4:00	4.014	48.6	0	S
3/16/2024 5:00	4.124	48.18	0	SSW
3/16/2024 6:00	2.062	47.48	0	SW
3/16/2024 7:00	3.549	46.76	0	WNW
3/16/2024 8:00	5.594	50.16	0	NNW
3/16/2024 9:00	4.559	52.85	0	NNE
3/16/2024 10:00	6.09	55.69	0	E
3/16/2024 11:00	7.211	58.12	0	ESE
3/16/2024 12:00	8.25	61.33	0	S
3/16/2024 13:00	7.623	62.99	0	SW
3/16/2024 14:00	10.49	62.77	0	SSW

3/16/2024 15:00	7.766	62.7	0	SW
3/16/2024 16:00	10.16	61.35	0	SW
3/16/2024 17:00	5.059	61.07	0	WSW
3/16/2024 18:00	6.464	58.77	0	ENE
3/16/2024 19:00	5.343	55.36	0	N
3/16/2024 20:00	5.317	52.99	0	NNW
3/16/2024 21:00	6.31	51.83	0	NW
3/16/2024 22:00	7.67	50.81	0	WNW
3/16/2024 23:00	8.13	50.41	0	NW
3/17/2024 0:00	9.35	49.57	0	NW
3/17/2024 1:00	8.02	47.91	0	NNW
3/17/2024 2:00	9.38	47.04	0	NNW
3/17/2024 3:00	5.77	47.27	0	NW
3/17/2024 4:00	8.24	46.55	0	NW
3/17/2024 5:00	4.936	48.18	0	WNW
3/17/2024 6:00	9.89	49.05	0	NW
3/17/2024 7:00	12.3	50.48	0	NNW
3/17/2024 8:00	10.79	52.55	0	NNW
3/17/2024 9:00	8.99	56.93	0	NNW
3/17/2024 10:00	6.787	61.39	0	NNW
3/17/2024 11:00	7.928	61.94	0	ESE
3/17/2024 12:00	7.174	62.41	0	SE
3/17/2024 13:00	6.215	62.69	0	SE
3/17/2024 14:00	6.684	64.4	0	SE
3/17/2024 15:00	6.176	65.7	0	SE
3/17/2024 16:00	8.7	64.52	0	SE
3/17/2024 17:00	6.503	63.56	0	SSE
3/17/2024 18:00	5.677	61.92	0	S
3/17/2024 19:00	5.161	59.59	0	ESE
3/17/2024 20:00	3.097	56.71	0	E
3/17/2024 21:00	6.927	55.27	0	NW
3/17/2024 22:00	10.74	55.1	0	NNW
3/17/2024 23:00	12.07	55.79	0	NW
3/18/2024 0:00	13.14	55.97	0	NW
3/18/2024 1:00	15.12	55.16	0	NW
3/18/2024 2:00	14.85	54.8	0	NW
3/18/2024 3:00	15.75	55.53	0	NW
3/18/2024 4:00	14.66	55.7	0	NW
3/18/2024 5:00	18.72	55.97	0	NW
3/18/2024 6:00	16.77	55.99	0	NW
3/18/2024 7:00	17.49	55.8	0	NNW
3/18/2024 8:00	16.85	59.08	0	NNW
3/18/2024 9:00	14.7	61.97	0	N
3/18/2024 10:00	14.17	65.41	0	N
3/18/2024 11:00	13.24	68.42	0	NNE
3/18/2024 12:00	16.72	69.92	0	NNE
3/18/2024 13:00	16.62	71.14	0	NNE

3/18/2024 14:00	16.38	71.34	0	NNE
3/18/2024 15:00	17.11	69.9	0	NW
3/18/2024 16:00	18.92	67.29	0	NW
3/18/2024 17:00	14.55	66.8	0	NNW
3/18/2024 18:00	8.84	62.58	0	SE
3/18/2024 19:00	7.992	56.26	0	SSE
3/18/2024 20:00	5.366	56.09	0	SSE
3/18/2024 21:00	4.013	56.32	0	S
3/18/2024 22:00	2.568	56.48	0	WSW
3/18/2024 23:00	10.15	56.05	0	NW
3/19/2024 0:00	14.29	54.85	0	NW
3/19/2024 1:00	11.39	54.97	0	NW
3/19/2024 2:00	6.467	54.45	0	NW
3/19/2024 3:00	3.058	53.68	0	SSE
3/19/2024 4:00	2.238	53.71	0	WSW
3/19/2024 5:00	8.94	53.24	0	NW
3/19/2024 6:00	11.06	53.75	0	NW
3/19/2024 7:00	4.112	54.68	0	NE
3/19/2024 8:00	2.014	59.43	0	ENE
3/19/2024 9:00	5.381	61.89	0	ENE
3/19/2024 10:00	5.336	66.12	0	E
3/19/2024 11:00	7.995	65.75	0	SE
3/19/2024 12:00	8.89	67.15	0	ESE
3/19/2024 13:00	9.24	69.19	0	SE
3/19/2024 14:00	8.57	68.95	0	SE
3/19/2024 15:00	8.34	69.36	0	ESE
3/19/2024 16:00	4.816	70.29	0	SSE
3/19/2024 17:00	5.762	69.56	0	SSE
3/19/2024 18:00	6.64	65.84	0	SSE
3/19/2024 19:00	7.925	61.75	0	SSE
3/19/2024 20:00	4.898	58.97	0	S
3/19/2024 21:00	4.699	57.65	0	SSW
3/19/2024 22:00	4.613	57.17	0	S
3/19/2024 23:00	3.852	56.6	0	S
3/20/2024 0:00	3.016	56.46	0	SSW
3/20/2024 1:00	3.737	56.95	0	NW
3/20/2024 2:00	5.037	56.22	0	NW
3/20/2024 3:00	3.279	54.96	0	NNW
3/20/2024 4:00	1.788	54.35	0	ENE
3/20/2024 5:00	1.753	54.38	0	NE
3/20/2024 6:00	4.329	54.46	0	N
3/20/2024 7:00	11.99	59.15	0	NW
3/20/2024 8:00	6.314	60.03	0	E
3/20/2024 9:00	5.517	61.54	0	SE
3/20/2024 10:00	6.233	63.95	0	SE
3/20/2024 11:00	7.053	65.94	0	SE
3/20/2024 12:00	7.516	67.01	0	SE



3/20/2024 13:00	7.746	69.21	0	SE
3/20/2024 14:00	7.694	70.57	0	SE
3/20/2024 15:00	8.84	70.86	0	ESE
3/20/2024 16:00	8.3	70.58	0	SE
3/20/2024 17:00	7.446	68.24	0	SE
3/20/2024 18:00	6.858	65.58	0	SE
3/20/2024 19:00	5.198	62.47	0	SSE
3/20/2024 20:00	3.963	59.75	0	S
3/20/2024 21:00	3.686	57.29	0	S
3/20/2024 22:00	2.56	56.04	0	SSE
3/20/2024 23:00	3.872	55.66	0	SSW
3/21/2024 0:00	4.721	54.02	0	SSW
3/21/2024 1:00	2.406	52.87	0	SSW
3/21/2024 2:00	1.702	51.92	0	WSW
3/21/2024 3:00	1.671	52.16	0	WNW
3/21/2024 4:00	1.057	53.23	0	SW
3/21/2024 5:00	1.306	51.39	0	SSE
3/21/2024 6:00	0.826	49.85	0	ESE
3/21/2024 7:00	0.83	49.27	0	SW
3/21/2024 8:00	1.508	53.58	0	ESE
3/21/2024 9:00	2.291	53.91	0	ESE
3/21/2024 10:00	4.319	57.36	0	ESE
3/21/2024 11:00	6.801	60.13	0	SE
3/21/2024 12:00	8.22	62.99	0	SE
3/21/2024 13:00	7.887	65.12	0	SE
3/21/2024 14:00	6.587	67.55	0	SE
3/21/2024 15:00	8.77	68.52	0	SSE
3/21/2024 16:00	8.03	68.44	0	S
3/21/2024 17:00	7.912	66.39	0	S
3/21/2024 18:00	8.09	63.85	0	S
3/21/2024 19:00	8.38	59.48	0	SSE
3/21/2024 20:00	5.215	57.3	0	S
3/21/2024 21:00	2.718	56.03	0	S
3/21/2024 22:00	0.924	55.11	0	SW
3/21/2024 23:00	1.69	54.43	0	NW
3/22/2024 0:00	2.532	54.9	0	SSE
3/22/2024 1:00	6.744	54.59	0	SSW
3/22/2024 2:00	6.026	53.23	0	S
3/22/2024 3:00	4.945	52.29	0	SSW
3/22/2024 4:00	1.967	52.18	0	WNW
3/22/2024 5:00	2.148	52.07	0	SSW
3/22/2024 6:00	4.541	52.35	0	S
3/22/2024 7:00	4.806	52.16	0	S
3/22/2024 8:00	5.602	53.93	0	S
3/22/2024 9:00	5.906	57.46	0	SE
3/22/2024 10:00	7.543	59.37	0	SE
3/22/2024 11:00	8.48	61.41	0	SSE

3/22/2024 12:00	9.15	63.3	0	SSE
3/22/2024 13:00	9.55	64.05	0	SE
3/22/2024 14:00	9.76	65.63	0	SE
3/22/2024 15:00	9.84	65.93	0	SE
3/22/2024 16:00	10.66	65.94	0	SE
3/22/2024 17:00	10.56	63.96	0	SE
3/22/2024 18:00	9.5	61.71	0	SE
3/22/2024 19:00	8.91	58.62	0	SSE
3/22/2024 20:00	8.33	56.37	0	SE
3/22/2024 21:00	8.7	54.45	0	SE
3/22/2024 22:00	7.128	52.72	0	SE
3/22/2024 23:00	6.845	52.22	0	SSE
3/23/2024 0:00	7.062	51.88	0	SE
3/23/2024 1:00	7.156	51.14	0	SSE
3/23/2024 2:00	7.61	50.5	0	SSE
3/23/2024 3:00	7.605	50.22	0	SSE
3/23/2024 4:00	7.516	49.19	0	SSE
3/23/2024 5:00	7.499	48.94	0	SSE
3/23/2024 6:00	10.73	49.5	0.05	SE
3/23/2024 7:00	11.23	49.44	0.08	SE
3/23/2024 8:00	11.02	48.93	0.19	SE
3/23/2024 9:00	10.94	48.69	0.14	SSE
3/23/2024 10:00	8.46	48.92	0.02	SSE
3/23/2024 11:00	8.41	49.44	0.17	SSW
3/23/2024 12:00	7.701	51.69	0	SSE
3/23/2024 13:00	10.87	53.14	0	SE
3/23/2024 14:00	9.36	53.71	0	SSE
3/23/2024 15:00	10.59	56.13	0	SW
3/23/2024 16:00	13.24	54.57	0	SW
3/23/2024 17:00	12.71	53.16	0	WSW
3/23/2024 18:00	14.08	50.73	0	SW
3/23/2024 19:00	11.34	49	0	W
3/23/2024 20:00	5.258	48.55	0	WSW
3/23/2024 21:00	3.869	47.74	0	SW
3/23/2024 22:00	3.317	46.91	0	NW
3/23/2024 23:00	4.703	46.76	0	NNW
3/24/2024 0:00	5.516	46.3	0	NW
3/24/2024 1:00	5.51	44.35	0	WNW
3/24/2024 2:00	2.904	43.62	0	NW
3/24/2024 3:00	5.427	42.97	0	NW
3/24/2024 4:00	5.386	42.63	0	WNW
3/24/2024 5:00	3.434	42.73	0	WNW
3/24/2024 6:00	5.386	43.8	0	NW
3/24/2024 7:00	8.35	43.58	0	NW
3/24/2024 8:00	8.26	46.86	0	NNW
3/24/2024 9:00	6.803	47.89	0	NNW
3/24/2024 10:00	8.42	50.67	0	N

3/24/2024 11:00	7.588	52.93	0	N
3/24/2024 12:00	3.202	55.83	0	WNW
3/24/2024 13:00	5.279	54.86	0	WNW
3/24/2024 14:00	9.23	51.24	0.01	WNW
3/24/2024 15:00	5.012	48.2	0.06	WNW
3/24/2024 16:00	4.841	49.76	0	WSW
3/24/2024 17:00	11.56	49.42	0	NNW
3/24/2024 18:00	19.84	48.93	0.01	NNW
3/24/2024 19:00	27.33	48.61	0	NW
3/24/2024 20:00	30.55	48.9	0	NW
3/24/2024 21:00	32.22	49.09	0	NNW
3/24/2024 22:00	35.37	49.47	0	NW
3/24/2024 23:00	27.21	49.31	0	NW
3/25/2024 0:00	27.64	48.96	0	NW
3/25/2024 1:00	16.64	47.97	0	NNW
3/25/2024 2:00	19.38	48.26	0	NW
3/25/2024 3:00	17.76	48.47	0	NW
3/25/2024 4:00	22.13	47.93	0	NW
3/25/2024 5:00	24.93	48.03	0	NW
3/25/2024 6:00	26.08	48.43	0	NW
3/25/2024 7:00	24.78	48.52	0	NW
3/25/2024 8:00	22.51	49.87	0	NW
3/25/2024 9:00	20.24	52.2	0	NW
3/25/2024 10:00	11.96	54.61	0	NNW
3/25/2024 11:00	10.09	57.26	0	NNW
3/25/2024 12:00	7.977	60.13	0	NNW
3/25/2024 13:00	5.326	63.58	0	SSE
3/25/2024 14:00	9.68	61.62	0	SE
3/25/2024 15:00	8.84	59.55	0	S
3/25/2024 16:00	5.064	59.33	0	SW
3/25/2024 17:00	4.58	58.23	0	SSE
3/25/2024 18:00	5.042	55.64	0	S
3/25/2024 19:00	5.201	53.5	0	SE
3/25/2024 20:00	5.334	51.56	0	E
3/25/2024 21:00	5.158	51.66	0	SE
3/25/2024 22:00	4.2	50.43	0	S
3/25/2024 23:00	6.314	48.45	0	S
3/26/2024 0:00	4.788	47.33	0	S
3/26/2024 1:00	4.739	47.01	0	SSE
3/26/2024 2:00	4.25	46.94	0	S
3/26/2024 3:00	3.731	46.35	0	S
3/26/2024 4:00	4.808	46.32	0	SSE
3/26/2024 5:00	4.54	46.48	0	S
3/26/2024 6:00	2.538	45.77	0	SSE
3/26/2024 7:00	3.737	46.98	0	S
3/26/2024 8:00	4.667	49.55	0	SE
3/26/2024 9:00	4.299	52.74	0	E

3/26/2024 10:00	4.915	56.33	0	NE
3/26/2024 11:00	7.49	57.94	0	NW
3/26/2024 12:00	5.736	61.05	0	NNW
3/26/2024 13:00	8.55	62.34	0	SSE
3/26/2024 14:00	8.78	62.9	0	S
3/26/2024 15:00	8.6	62.53	0	S
3/26/2024 16:00	10.3	60.92	0	S
3/26/2024 17:00	5.903	60.48	0	SSW
3/26/2024 18:00	4.385	58.03	0	SSE
3/26/2024 19:00	4.817	55.39	0	SSE
3/26/2024 20:00	3.944	52.85	0	SE
3/26/2024 21:00	3.703	51.43	0	SE
3/26/2024 22:00	3.263	50.1	0	SSE
3/26/2024 23:00	3.769	50.36	0	SE
3/27/2024 0:00	4.066	50.01	0	SE
3/27/2024 1:00	5.532	49.82	0	S
3/27/2024 2:00	5.304	48.65	0	SSW
3/27/2024 3:00	3.359	47.64	0	S
3/27/2024 4:00	2.695	47.89	0	W
3/27/2024 5:00	3.485	48.76	0	S
3/27/2024 6:00	1.468	48.21	0	SSW
3/27/2024 7:00	3.557	48.78	0	NW
3/27/2024 8:00	6.17	54.22	0	NNE
3/27/2024 9:00	4.583	56.56	0	E
3/27/2024 10:00	6.345	56.93	0	SE
3/27/2024 11:00	5.619	59.35	0	SSE
3/27/2024 12:00	6.177	62.13	0	SE
3/27/2024 13:00	6.864	63.98	0	SSE
3/27/2024 14:00	7.007	65.4	0	S
3/27/2024 15:00	8.09	65.95	0	SSE
3/27/2024 16:00	10.69	64.18	0	SSE
3/27/2024 17:00	10.07	61.47	0	SSE
3/27/2024 18:00	8.81	59.34	0	SSE
3/27/2024 19:00	7.177	56.24	0	S
3/27/2024 20:00	5.861	54.18	0	SSE
3/27/2024 21:00	4.713	52.97	0	SE
3/27/2024 22:00	4.224	51.57	0	SE
3/27/2024 23:00	6.209	50.86	0	SSE
3/28/2024 0:00	4.846	50.77	0	S
3/28/2024 1:00	5.371	50.42	0	S
3/28/2024 2:00	5.5	49.58	0	S
3/28/2024 3:00	5.462	49.04	0	S
3/28/2024 4:00	5.638	47.79	0	SSE
3/28/2024 5:00	4.315	47.47	0	SSE
3/28/2024 6:00	4.829	47.95	0	S
3/28/2024 7:00	3.433	49.68	0	S
3/28/2024 8:00	3.253	52.83	0	ESE

3/28/2024 9:00	4.868	55.95	0	ESE
3/28/2024 10:00	6.227	58.05	0	SE
3/28/2024 11:00	6.18	59.76	0	SSE
3/28/2024 12:00	6.906	61.78	0	SSE
3/28/2024 13:00	6.461	62.09	0	SSE
3/28/2024 14:00	8.21	63.3	0	SSE
3/28/2024 15:00	11.2	62.15	0	S
3/28/2024 16:00	8.08	58.72	0	SSW
3/28/2024 17:00	5.047	56.01	0	WSW
3/28/2024 18:00	6.552	53.82	0	S
3/28/2024 19:00	5.23	52.06	0	S
3/28/2024 20:00	2.935	50.69	0	SE
3/28/2024 21:00	5.434	50.28	0	SE
3/28/2024 22:00	5.382	49.48	0	SE
3/28/2024 23:00	6.877	49.69	0	SSE
3/29/2024 0:00	8.07	48.29	0	SSE
3/29/2024 1:00	10.28	47.95	0	SSE
3/29/2024 2:00	9.58	47.05	0	SSE
3/29/2024 3:00	9.53	45.77	0	SSE
3/29/2024 4:00	8.32	44.32	0	SSE
3/29/2024 5:00	9.62	43.9	0	SSE
3/29/2024 6:00	10.65	44.04	0	SSE
3/29/2024 7:00	7.819	44.28	0	SSE
3/29/2024 8:00	10.63	45.27	0	SSE
3/29/2024 9:00	10.37	46.8	0	SSE
3/29/2024 10:00	14.14	50.34	0	SE
3/29/2024 11:00	14.75	52.27	0	SE
3/29/2024 12:00	13.11	53.35	0	SSE
3/29/2024 13:00	12.12	54.08	0	SSE
3/29/2024 14:00	12.03	55.85	0	SE
3/29/2024 15:00	13.97	54.63	0	SE
3/29/2024 16:00	13.84	52.29	0	SE
3/29/2024 17:00	9.39	50.32	0	SSE
3/29/2024 18:00	9.57	48.57	0	SSE
3/29/2024 19:00	11.66	48.22	0	SSE
3/29/2024 20:00	14.73	47.84	0	SSE
3/29/2024 21:00	17.15	48.47	0	SSE
3/29/2024 22:00	17.81	48.18	0	SSE
3/29/2024 23:00	18.03	47.86	0	SE
3/30/2024 0:00	20.93	46.42	0.06	SE
3/30/2024 1:00	18.52	45.01	0.32	SE
3/30/2024 2:00	16.12	44.47	0.29	SSE
3/30/2024 3:00	16.61	44.16	0.25	SSE
3/30/2024 4:00	14.73	44.45	0.17	SSE
3/30/2024 5:00	13.56	46.13	0.26	SE
3/30/2024 6:00	9.97	46.45	0.43	SSW
3/30/2024 7:00	9.05	44.81	0.14	WSW

3/30/2024 8:00	6.012	44.02	0.06	SE
3/30/2024 9:00	4.883	43.91	0	SSE
3/30/2024 10:00	6.54	45.65	0	SSE
3/30/2024 11:00	9.85	45.73	0	SE
3/30/2024 12:00	10.73	46.53	0.02	SE
3/30/2024 13:00	13.63	46.92	0.03	SE
3/30/2024 14:00	14.8	47.46	0	SE
3/30/2024 15:00	14.68	47.03	0	SE
3/30/2024 16:00	12.59	46.09	0.02	SE
3/30/2024 17:00	13.28	47.14	0	SE
3/30/2024 18:00	13.65	46.77	0	SE
3/30/2024 19:00	14.05	45.5	0.02	SSE
3/30/2024 20:00	12.17	44.71	0.01	SE
3/30/2024 21:00	11.07	44.51	0.04	SSE
3/30/2024 22:00	12.52	44.23	0.02	SSE
3/30/2024 23:00	12.91	44.41	0.02	SSE
3/31/2024 0:00	13.21	44.18	0.02	SE
3/31/2024 1:00	11.29	44.02	0.03	SE
3/31/2024 2:00	8.89	43.65	0.05	SE
3/31/2024 3:00	8.39	44.18	0.02	SSE
3/31/2024 4:00	5.98	44.24	0.02	SSE
3/31/2024 5:00	4.138	44.82	0.06	SE
3/31/2024 6:00	2.234	44.03	0.09	E
3/31/2024 7:00	2.199	44.44	0.01	E
3/31/2024 8:00	2.973	46.53	0	N
3/31/2024 9:00	4.72	49.01	0.01	NE
3/31/2024 10:00	5.915	50.96	0	E
3/31/2024 11:00	6.382	54.08	0	SE
3/31/2024 12:00	8.14	54.44	0	SSE
3/31/2024 13:00	9.81	55.46	0	SE
3/31/2024 14:00	11.51	54.2	0	SE
3/31/2024 15:00	12.3	54.99	0	SE
3/31/2024 16:00	13.61	53.18	0	SSE
3/31/2024 17:00	10.69	51.9	0	SSE
3/31/2024 18:00	7.689	50.92	0	SE
3/31/2024 19:00	4.919	47.61	0	NW
3/31/2024 20:00	2.622	47.45	0	SSW
3/31/2024 21:00	2.026	47.5	0	NNW
3/31/2024 22:00	1.572	47.38	0	NW
3/31/2024 23:00	5.023	47.27	0	NNW

APPENDIX B

January 2024

FACILITY INSPECTION REPORT

Disposal Facility (Site) Inspection Report (52)  
Sunshine Canyon City/County Landfill (19-AA-2000)  
1/31/2024

**Inspection Information**

**Inspected By:** Sunshine Canyon Landfill      **Local Inspection ID:**  
**Inspection Date:** 1/31/2024      **Time In:**  
**Inspection Type:** Periodic      **Time Out:**  
**Inspector:** George Kasikarin      **Inspection Duration:**  
**Operator:** Browning-Ferris Ind. Of Calif., Inc.  
**Received By:**  
**Also Present (Name):**

**Facility/Activity Information**

**Enforcement Agency:** Sunshine Canyon Landfill      **SWIS Number:** 19-AA-2000  
Jurisdiction  
**Facility:** **Sunshine Canyon City/County Landfill**  
14747 San Fernando Road, Sylmar  
Sunshine LF (in Los Angeles County), CA 91342  
**Activity:** Solid Waste Landfill  
**Operational Status:** Active      **Regulatory Status:** Permitted  
**Land Owners(s):**  
Browning-Ferris Ind. Of Calif., Inc.

*The above facility was inspected for compliance with applicable sections of Division 30 of the Public Resources Code (PRC) and Title 14 and Title 27, California Code of Regulations (CCR).*

**No Violations**

**Areas of Concern**

**27 CCR 20921 - Gas Monitoring and Control**

(a) To provide for the protection of public health and safety and the environment, the operator shall ensure that landfill gas generated at a disposal site is controlled in such a manner as to satisfy the following requirements:

- (1) The concentration of methane gas must not exceed 1.25 percent by volume in air within any portion of any on-site structures.
- (2) The concentration of methane gas migrating from the disposal site must not exceed 5 percent by volume in air at the disposal site permitted facility boundary or an alternative boundary approved in accordance with Section 20925.



**Disposal Facility (Site) Inspection Report (52)**  
**Sunshine Canyon City/County Landfill (19-AA-2000)**  
1/31/2024

The compliance perimeter gas probes on the city and the county sides were monitored during this inspection period. All perimeter probes were either non-detect for methane gas or below 1%, by volume, except for probes: 205R-C @ 1.8%, 205R-D @ 3.0%, 243-A @ 1.2% and 245-B @ 3.2%. Compliance Wells #205R and #245 should be further monitored to determine if the methane gas increases came from landfill gas migration, or from natural decomposition in the native soil. The compliance perimeter gas probes on the city side was also monitored during this inspection period.

**27 CCR 20650 - Grading of Fill Surfaces**

Covered surfaces of the disposal area shall be graded to promote lateral runoff of precipitation and to prevent ponding. Grades shall be established of sufficient slopes to account for future settlement of the fill surface.

During this month storm events, a significant size pond formed in the CC4-Part 2 area, adjacent to the wet weather deck. The pond was being pumped out by the end of this observation period.

The covered surfaces of the disposal area must be graded to promote lateral runoff of precipitation and of sufficient slopes to prevent water accumulation and/or infiltration into any filled areas.

**Inspection Report Comments**

This report is a compilation of the SCL-LEA staff observations for the month of 2024 January.

The landfill was closed on Monday, January 1st for New Year's Day.

Weather conditions were mostly cool with three days of rain during this inspection period. The landfill received approximately one and a half inch of accumulated rainfall in the month of January, according to the available online weather data with weather stations that are located most proximal to the landfill.

The operator's on-site rain gauge was under repair during the rain events in January and is back in operation as of the writing of this inspection report.

The slopes and the stormwater drainage system held up adequately after the rainfalls and as of this inspection.

Two working faces were in use during this observation period, in the CC4-Part 4 A/B/C areas. The dirt covers and the alternative daily covers were effective in covering up all waste at the end of the day's operation.

The spotters were directing traffic during this observation period.

The bird control measures were in place to control the birds.

Disposal Facility (Site) Inspection Report (52)  
Sunshine Canyon City/County Landfill (19-AA-2000)  
1/31/2024

The water trucks and sweepers were in use for dust control on the days that did not rain.

The portable water-atomizing cannons were in use. Misters were also in use on the perimeter fences and along the haul road for odor control.

There were adequate lighting during the hours of darkness during this observation period.

The load checks were conducted during this observation period.

The construction of the new diverted haul road near the front of the landfill continued during this observation period. As of the end of 2024 January, sections of the new haul road were being lined with asphalt. The construction did not interfere with normal traffic flow in and out of the landfill, or caused on-site safety hazards. A spotter was present and road signs were posted and visible to the drivers on the current haul road, as of this observation period.

**No Attachments**

# APPENDIX C

March 2024

## WEEKLY GRID INSPECTION LOGS

















