THE SOUTHERN NEVADA HEALTH DISTRICT'S WASTEWATER WEEKLY SURVEILLANCE REPORT

August 11, 2025

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SNHD Southern Nevada Health District

WASTEWATER WEEKLY SURVILLANCE REPORT

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Definitions

Clade: A group that includes a common ancestor and all its descendants.
Dominant Variants: Versions of a virus, gene, or trait that are currently the most widespread or prevalent in a population.
Grab Sample: A single, discrete sample of wastewater collected at a specific time and location.
Liquid matrices: refers to the **fluid portion** of sewage collected for testing and analysis
Solid matrices: Water refers to the **solid material (biosolids or sludge)** that is separated from liquid wastewater during the treatment process.
Wastewater Scan: An organization focused on sewage, community, and network-based efforts that conducts wastewater surveillance to detect pathogens present in wastewater.
Variants of Interest (VOI): Viral variants with genetic changes that may affect transmissibility, diagnostics, or immune escape and are showing signs of increased spread.
Variant of Concern (VOC): A mutated form of a virus that demonstrates one or more of the following characteristics: increased ability to spread, greater severity of illness, reduced effectiveness of treatments, vaccines, or diagnostic tools, and the ability to evade immune protection.
Variants Under monitoring (VOM): KS.1.1, KP.3.3, LP.8.1, NB.1.8.1, KP.3, XFG
Verily: A private laboratory vendor contracted by CDC to test wastewater across the country for pathogen markers.
PMMoV (Pepper Mild Mottle Virus): It is a plant virus commonly found in human feces due to widespread consumption of pepper-containing foods.
Concentration levels: The viral concentration levels classify them into Low, Medium, and High based on tertile cutoffs from the data's distribution. It then identifies the minimum and maximum values within each group to define the range for each concentration level.

Symbols: Increasing: ↑ Decreasing: ↓ No change: →

Purpose

This report highlights the changes in wastewater concentration for selected pathogens within Clark County, Nevada. This report includes data for SARS CoV-2, Influenza (Flu) A, Influenza (Flu) B, Respiratory syncytial virus (RSV), Measles, *Candida Auris,* Rotavirus, Adenovirus group F, Hepatitis A, Parvovirus, Norovirus, and Mpox (clade II). All data was obtained from the Clark County Water Reclamation District, Flamingo Water Resource Center, City of Mesquite, selected Utah wastewater treatment facilities and California wastewater treatment facilities and is analyzed and reported by Wastewater Scan (https://www.wastewaterscan.org/en) and Verily laboratories (https://verily.com/). The map below visualizes the wastewater treatment facilities in Nevada. A map of wastewater treatment facilities in Nevada is provided in the appendix.

Note: We apply PMMoV (microbial) normalization, while CDC and the state use Wastewater Viral-Activity Level (WVAL) normalization.

Executive Summary of August 11, 2025, Report

This report presents the most recent findings from pathogen surveillance conducted through wastewater sampling in Clark County, Nevada, with the final data collected on **August 7, 2025**. The analysis focuses on two sites: the Flamingo Water Reclamation District in Las Vegas and the City of Mesquite. Conducted by Wastewater SCAN and Verily, the surveillance aimed to monitor trends in SARS-CoV-2 and its variants, seasonal respiratory viruses like Influenza A/B and RSV, gastrointestinal pathogens such as Norovirus, Rotavirus, Enterovirus D68, and Hepatitis A, and to compare site-level differences while accounting for variations in sampling and analysis.

As of August 7, 2025, SARS-CoV-2 levels in wastewater remained elevated across NV, CA, and UT. Flamingo (Las Vegas) showed high concentrations, while Mesquite peaked in early August and remained very high. Variant turnover was rapid from LF.7 to JN.1 to XFG to LP.8.1 with XFG.3 now dominant. Las Vegas trailed only Provo, indicating a moderate resurgence. Wastewater signals rose at nine facilities. 14-day averages were highest in Mesquite (416.76), Central Valley (275.32), Flamingo (260.54), and Provo (250.73). Los Angeles sites showed moderate levels (A.K. Warren 87.15, Hyperion 72.37), while Inland California sites were lower: RP-1 (67.79), Riverside (44.94), and Indio (13.91).

Influenza activity in Flamingo and Mesquite followed typical seasonal patterns, with Influenza A peaking between January and March, and Influenza B reaching its highest levels in February. Both strains declined after May, and in Mesquite, Influenza B has not been reported since July.

RSV levels remained consistently low or undetectable at both sites, aligning with expected seasonal declines after early 2025 peaks. This indicates minimal ongoing RSV transmission in Southern Nevada during the summer. There was a single Detection of Measles at Flamingo water reclamation on August 1 and there was no other subsequent detection.

Norovirus levels in Flamingo reached an exceptionally high 65,387.92 PMMoV-normalized units, the highest reported across all nine Wastewater SCAN sites. Though Mesquite was not tested for Norovirus, nearby Utah showed elevated levels, pointing to regional activity. Flamingo also recorded high Hepatitis A levels and low to moderate concentrations of Rotavirus and Enterovirus D68, suggesting an increased risk for gastrointestinal and liver related illnesses in the area.

Sampling methods differed: Flamingo used 24-hour composite samples from solid waste analyzed by Wastewater SCAN, while Mesquite relied on liquid grab samples assessed by Verily. These methodological differences likely contributed to variations in measured pathogen levels and should be considered for site-to-site comparisons.

In brief, Las Vegas showed a more complex and elevated pathogen signal, especially for SARS-CoV-2, while Mesquite exhibited elevated SARS-CoV-2 with a bump in summer influenza. Most other pathogens, including RSV, remained low. Notably, a single measles detection was reported at the Flamingo Water Reclamation Facility on August 1.

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Summary of Select Pathogen Concentrations

Latest data point for Flamingo Water reclamation district plant is August 6, 2025

Latest data point for the City of Mesquite plant is August 6, 2025

Pathogen	Concentration Level / Presence- Flamingo	Concentration Level / Presence - Mesquite
SARS-CoV-2	High	High
Influenza A	Low	Low
Influenza B	Low	Low
Respiratory Syncytial virus (RSV)	Low	Low
Norovirus	Low	Not Tested
Rotavirus	Low	Not Tested
Enterovirus D68	Low	Not Tested
Hepatitis A	Medium	Not Tested
Candida Auris	Low	Not Tested
Adenovirus Group F	Low	Not Tested
Parvovirus	Low	Not Tested
Mpox – Clade I	No Presence	No Presence
Measles	Detected	No Presence
Mpox – Clade II	No Presence	No Presence
Influenza H5	No Presence	No Presence

Note: The wastewater data for Las Vegas was collected from the Flamingo Water Reclamation District Plant, where samples were analyzed on solids and sourced from Wastewater SCAN. In contrast, data for the City of Mesquite was analyzed on liquid samples by Verily and provided by the State Wastewater Epidemiology Team. Due to the differences in sample matrices (solids vs. liquids) and analytical methods, variations in virus concentrations between the two facilities are expected. Mesquite sampling is conducted using grab sampling and is not performed over a 24-hour period.

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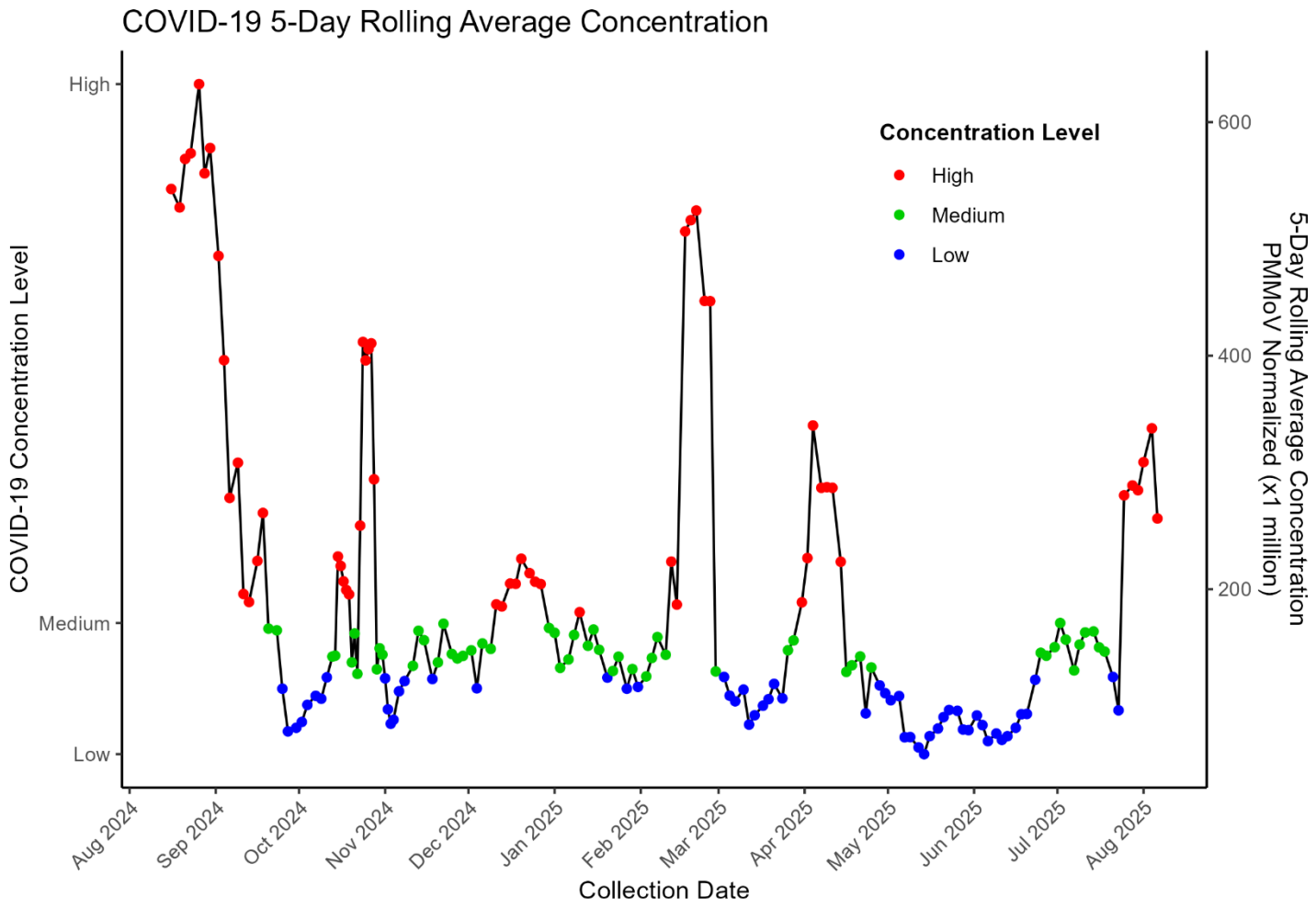
COVID-19 Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

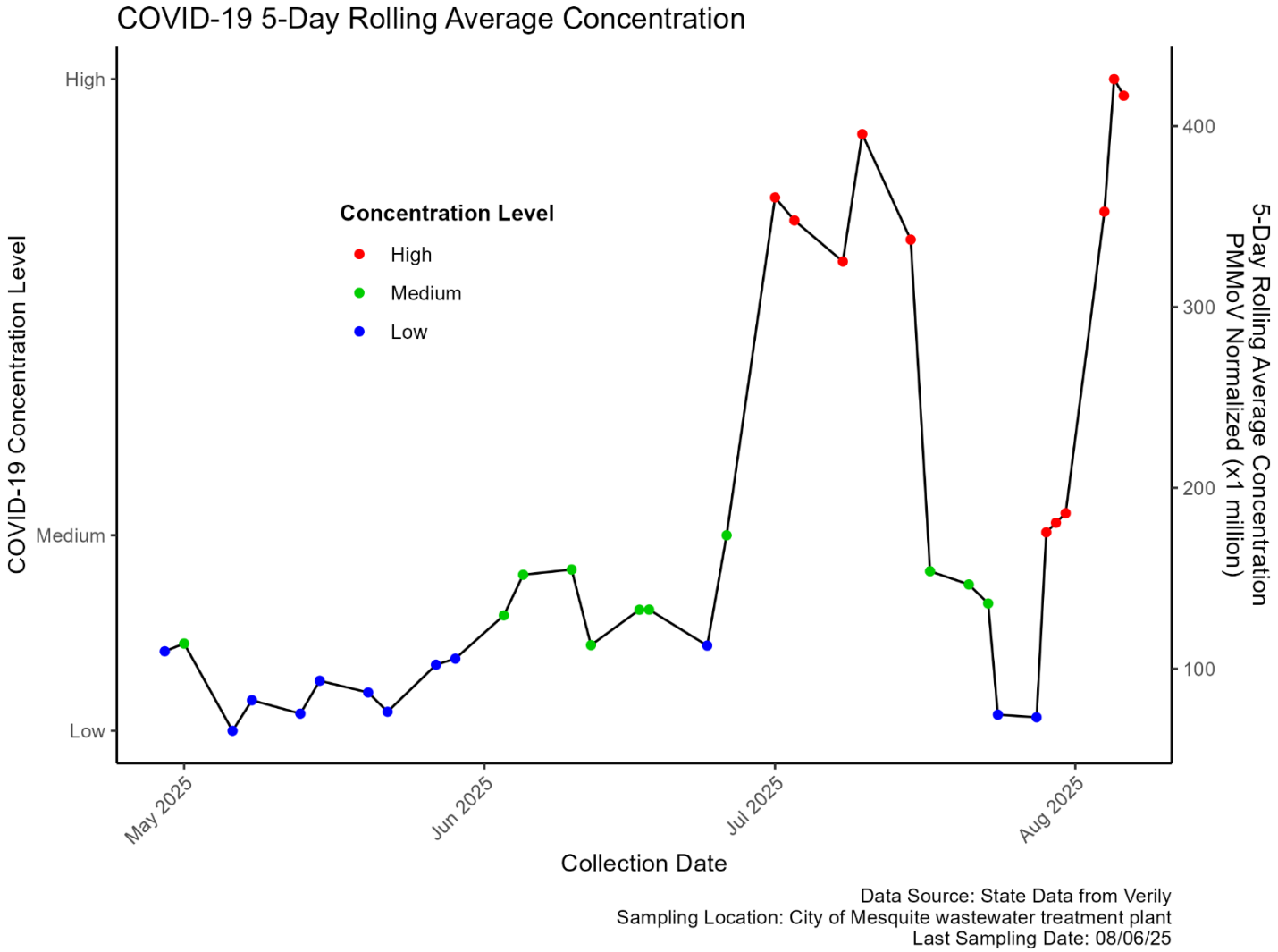
This chart shows the 5-day rolling average concentration of SARS-CoV-2 in wastewater at the Clark County Water Reclamation District's Flamingo Water Resource Center (Aug 2024–Aug 2025). Levels peaked in early Sept 2024 and again in late Feb–early Mar 2025 (high), fell to low by mid-Oct, hovered low-to-medium through Nov–Jan with a brief New Year uptick, eased to medium in April, dipped to low in May–June, then climbed in July–August 2025, ending on an upward trend.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/25

Mesquite Wastewater Treatment Plant

The chart shows COVID-19 concentrations in Mesquite wastewater from May 2025 to August 6,2025, using a 5-day rolling average. Levels remained low to medium through May and June but surged to high concentrations in early July, peaking mid-month. A sharp decline followed, though levels began rising again by the end of July. The data, sourced from Verily and collected at the City of Mesquite wastewater treatment plant, reflects a significant spike in viral activity during July, with the last sample taken on August 6, 2025.



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SARS – CoV-2 Concentrations Interpretation:

As of Aug 7, 2025, wastewater signals are rising across nine plants in NV, CA, and UT. Highest rolling means: Mesquite (416.76), Central Valley SLC (275.32), Flamingo Las Vegas (260.54), and Provo (250.73). Los Angeles sites show moderate levels: A.K. Warren (87.15) and Hyperion (72.37). Inland Southern California remains lower: RP-1 Ontario (67.79), Riverside (44.94), and Valley Sanitary Indio (13.91). Sampling dates span Aug 6 and 7, confirming consistent upward 14-day trends.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	260.54	↑	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	416.76	↑	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	87.15	↑	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	72.37	↑	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	275.32	↑	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	250.73	↑	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	67.79	↑	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	44.94	↑	August 7 2025
Valley Sanitary District	Indio, CA	Current	13.91	↑	August 7 2025

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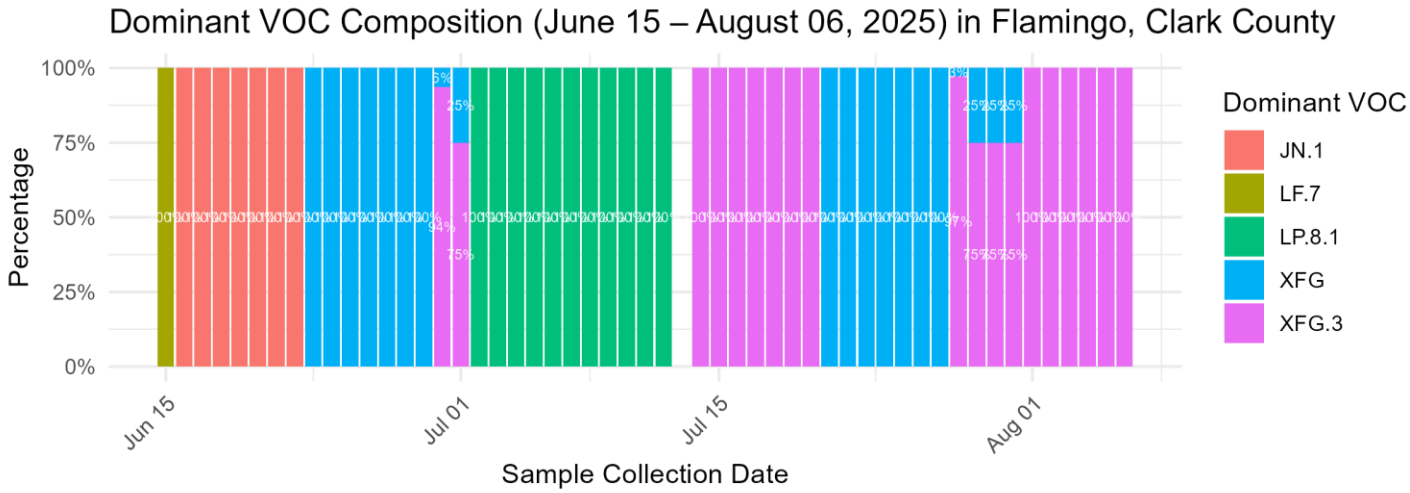
SARS-CoV-2 Variants Circulating

Flamingo Water Reclamation District Plant

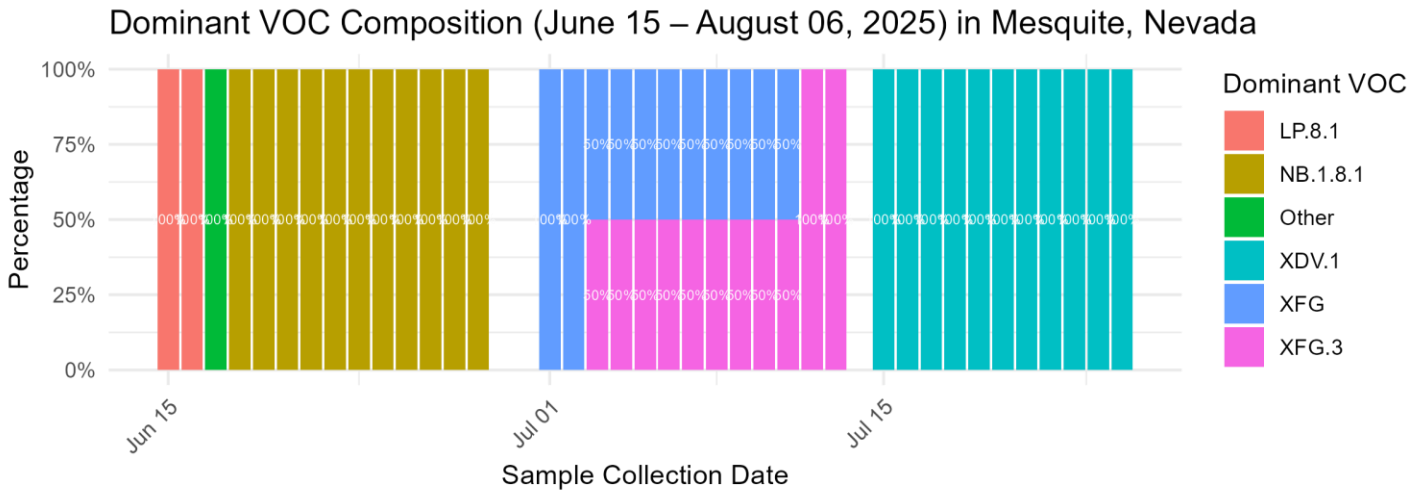
The stacked bar chart tracks daily SARS-CoV-2 Variants of Concern from mid-June to early August, showing rapid shifts in dominance. LF.7 (yellow) briefly leads before JN.1 (orange) takes over. By late June, XFG (blue) becomes fully dominant. Early July brings the emergence of XFG.3 (pink), followed by a surge of LP.8.1 (green), which leads until mid-July. Around July 30, XFG regains complete dominance through the end of the month. By early August, XFG.3 rises to the top, underscoring the swift turnover among variants.



Source: Nevada State Health Department | Analyzed by Verily, August 2025

Mesquite Wastewater Treatment Plant

The stacked bar chart tracks daily SARS-CoV-2 Variant of Concern (VOC) proportions from mid-June to late July, showing rapid turnover. LP.8.1 (orange) dominates first, briefly giving way to Other (green) and NB.1.8.1 (yellow). In early July, XFG (blue) and XFG.3 (pink) rise in prominence. By late July, XDV.1 (turquoise) takes over and it remains the dominant strain.



Source: Nevada State Health Department | Analyzed by Verily, August 2025

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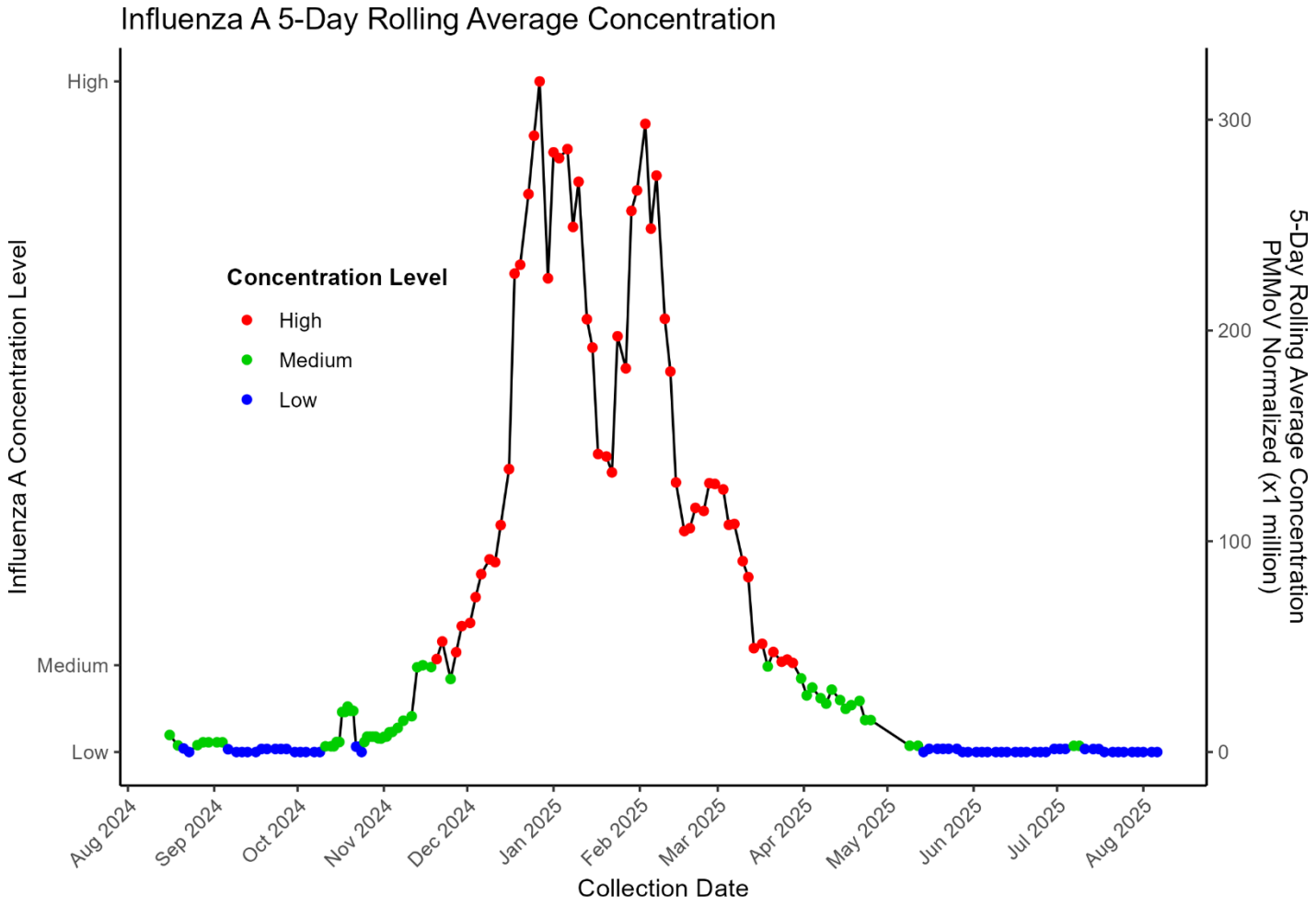
Influenza A Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

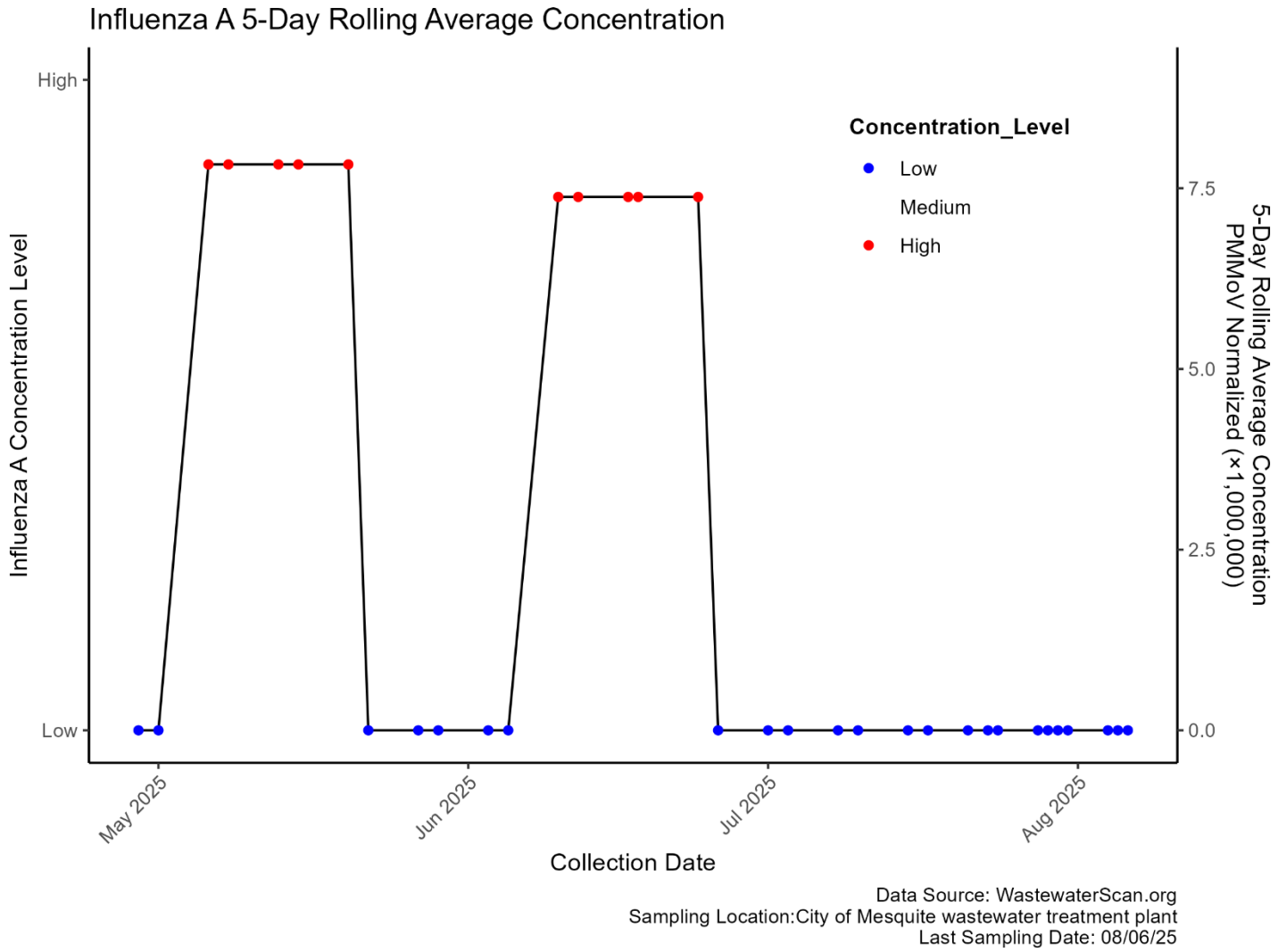
This chart tracks Influenza A levels in wastewater from August 2024 to August 6, 2025, at the Clark County Water Reclamation District. Concentrations were low from August through November, peaked at high levels from December to March, and declined to low levels again by June. The highest spike occurred in January 2025. Data is presented as a 5-day rolling average, normalized by PMMOV. The pattern reflects a typical flu season trend, with activity peaking in winter and dropping in warmer months.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/25

Mesquite Wastewater Treatment Plant

The chart displays a 5-day rolling average of Influenza A concentration levels in wastewater from May to August 2025 in Mesquite. Concentration levels fluctuated between high (red), medium (green), and low (blue). Peaks in early May and mid-June show high levels, while late May and July show low levels.



Influenza A Concentrations Interpretation

As of August 7, 2025, nine wastewater plants in NV, CA, and UT report six stable trends, two decreasing, and one increasing. Four sites are at zero and stable (Flamingo, Mesquite, Riverside, Valley Sanitary). Non-zero sites: A.K. Warren 3.56, Hyperion 1.35, RP-1, 1.09, Provo 0.50, Central Valley 0.31. Overall, Influenza A wastewater signals are low, indicating minimal viral activity across the region.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	→	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	3.56	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	1.35	→	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.31	↑	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.50	↓	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	1.09	↓	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

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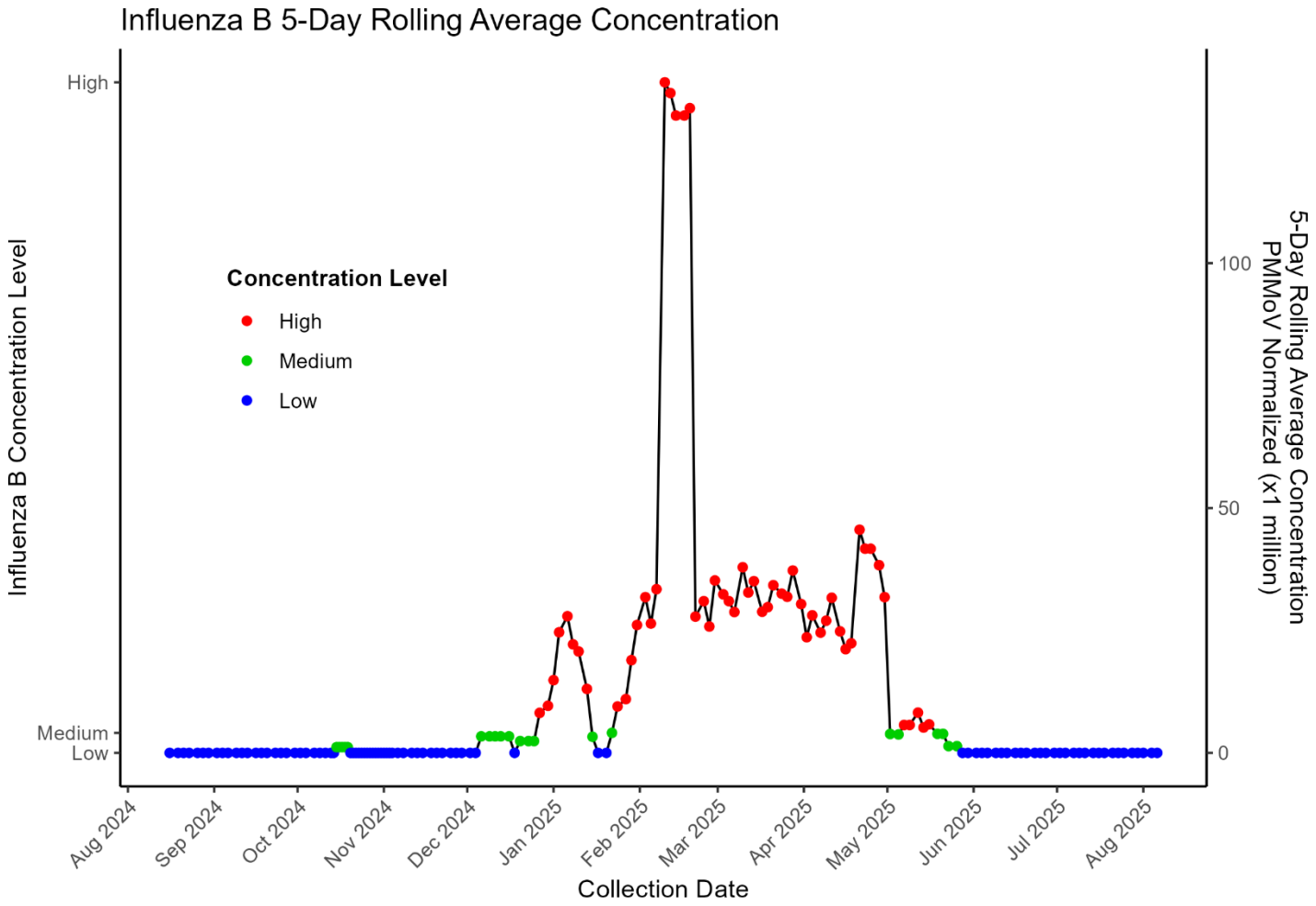
Influenza B Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

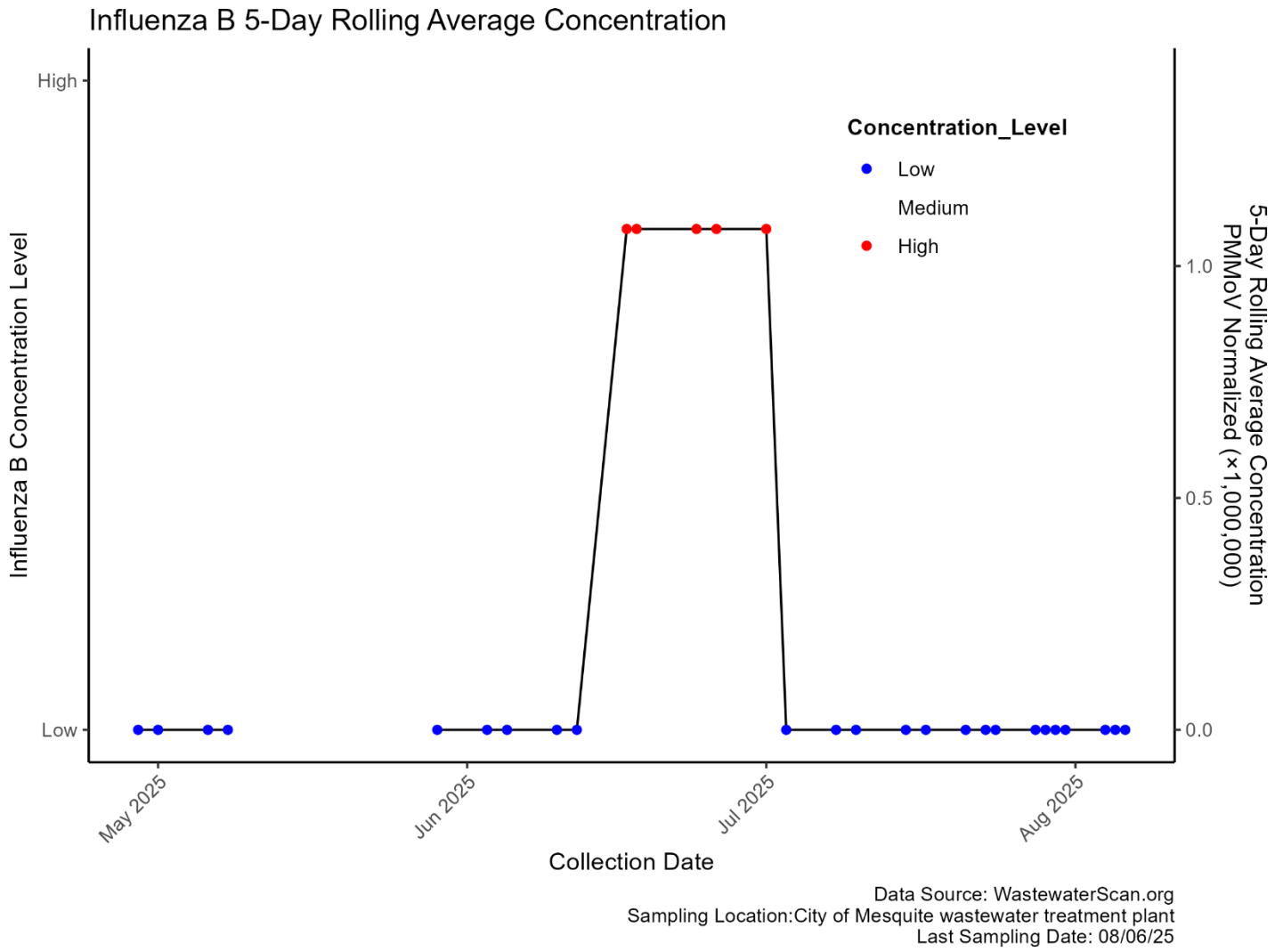
The chart shows Influenza B concentrations at the Flamingo Water Resource Center from August 2024 to August 6, 2025. From August to December 2024, levels remained low (blue), with occasional medium (green) readings in November and December. Concentrations began increasing in January 2025, peaking sharply in February with sustained high levels (red) through April. Levels declined in May and returned to mostly low or medium by June and July. The highest activity was observed in early 2025, followed by a consistent drop, indicating a seasonal surge and decline. The last sample was collected on August 7, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/25

Mesquite Wastewater Treatment Plant

The chart displays Influenza B 5-day rolling average concentrations at the City of Mesquite wastewater treatment plant from May to August 6, 2025. Levels were low (blue) in early May, spiked to high (red) mid-May, then dropped back to low by June. A brief increase to medium (green) and high levels occurred in late June and early July. From mid-July onward, concentrations returned to low. Overall, the data shows brief periods of elevated Influenza B activity with a return to lower levels by late July. The last sample was collected on August 6, 2025.



Interpretation of Influenza B Concentrations

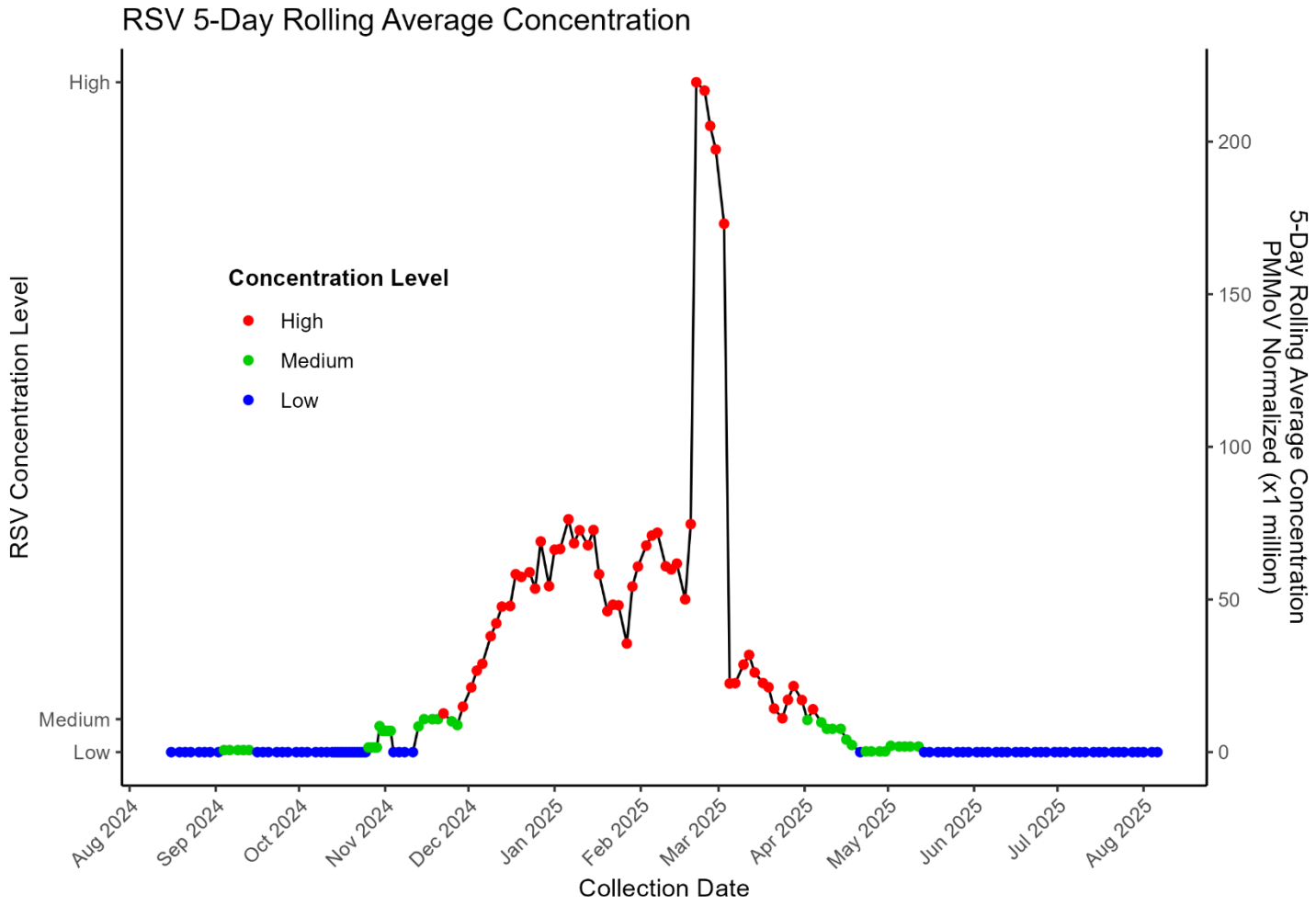
All monitored wastewater treatment facilities reported a 5-day rolling mean of 0.00, indicating no detectable viral presence. The data includes plants across Nevada, California, and Utah, with major sites such as Flamingo, Hyperion, and Central Valley. Most samples were collected on August 6, 2025, with a few taken on August 7, 2025. As of August 7, 2025, Influenza B was not detected in wastewater at any of the monitored facilities, and overall levels remain low.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	→	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

RSV Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows RSV levels at the Clark County Water Reclamation District (Flamingo site) from August 2024 to August 6, 2025. RSV concentrations remained low through October, began rising in November, and peaked sharply in March 2025. Levels declined through April and returned to low by June 2025, remaining low through the end of July. Most of the RSV activity was concentrated between November and April, with a sustained period of high concentration during the winter months. Sampling ended August 6, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/25

RSV Concentrations Interpretation

As of August 6, 2025, Respiratory Syncytial Virus (RSV) and COVID-19 viral concentrations remained undetectable across all monitored wastewater treatment plants in Nevada, California, and Utah. Facilities including the Flamingo Water Resource Center, Mesquite Wastewater Plant, and sites in Los Angeles, Riverside, and Salt Lake Valley each reported a 5-day rolling mean of 0.00 for COVID-19. No significant 14-day trends were observed, indicating stable viral levels.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	→	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

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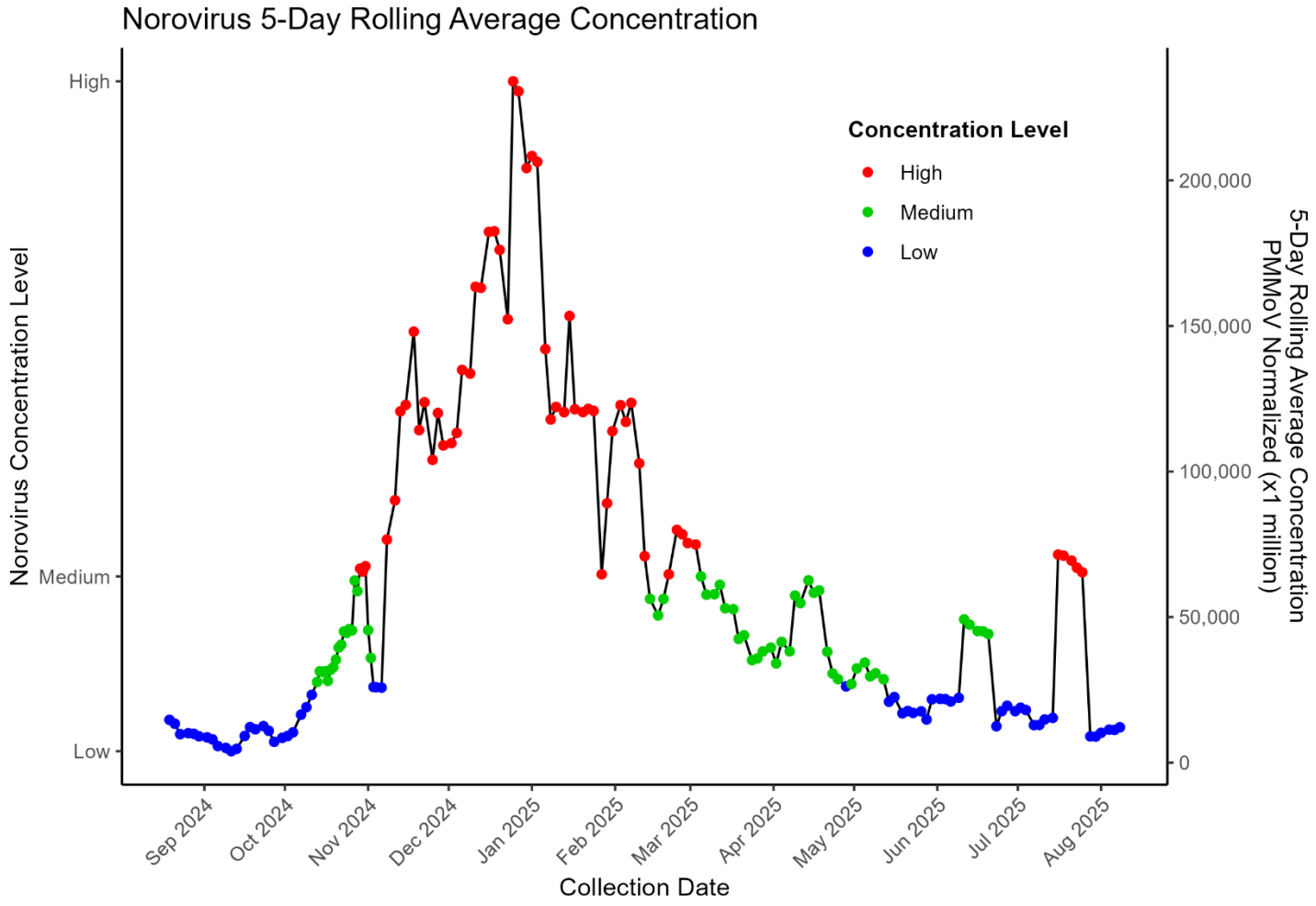
Norovirus Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Norovirus concentrations at the Flamingo Water Resource Center from August 2024 to July 2025. Levels were low through October, then rose sharply to high (red) in November, peaking in January 2025. Concentration declined gradually from February to May, with intermittent medium (green) and low (blue) levels. A slight resurgence occurred in July but remained below peak levels. The trend reflects a strong winter surge followed by seasonal decline.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/2025

Norovirus Concentrations Interpretation.

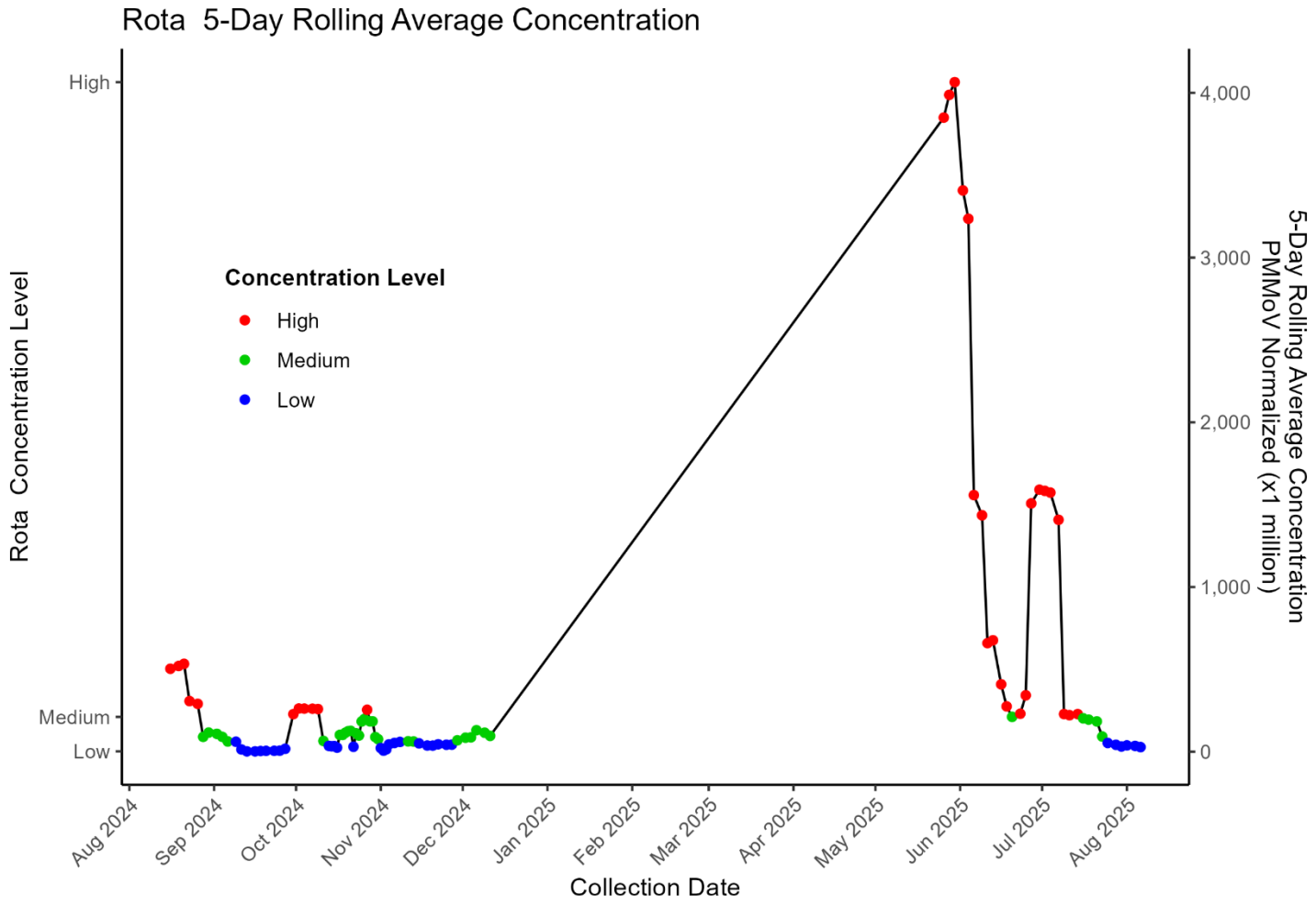
Nine wastewater facilities in NV, CA, and UT reported: eight with data and one did not test (Mesquite, NV). Most were last sampled on August 6, 2025; three California plants updated August 7. Seven sites show declining 14-day trends; only Valley Sanitary District (Indio, CA) is rising. Five-day rolling means range widely—from 14,685.85 at Central Valley Water Reclamation Facility (UT) to 2,853.99 at A.K. Warren (Los Angeles County, CA). Averages: California 3,395.18; Utah 12,163.77; Nevada's single tested site (Flamingo, Las Vegas) 11,241.15. The overall mean across tested sites is 6,568.07, indicating elevated but generally declining levels.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	11241.15	↓	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	2853.99	↓	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	3450.39	↓	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	14685.85	↓	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	9641.69	↓	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	3776.18	↓	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	4013.63	↓	August 7 2025
Valley Sanitary District	Indio, CA	Current	2881.71	↑	August 7 2025

Rotavirus Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

Rotavirus levels at the Flamingo Water Resource Center remained low to moderate from August to December 2024. A sharp increase began in January 2025, peaking in April above 4,000 PMMoV-normalized units. Concentration declined through May, briefly spiked again in June and July, and returned to low levels by late July and early August. Most readings during the 2025 peaks were classified as high. The last sample was collected on August 6, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/25

Rotavirus Concentrations Interpretation.

Between August 6 and 7, 2025, wastewater surveillance across NV, CA, and UT revealed varied Rotavirus activity. Most facilities, including Flamingo (Las Vegas), Hyperion (Los Angeles), and Central Valley (Salt Lake Valley), showed declining 5-day rolling averages. Valley Sanitary District (Indio, CA) was the only site with an upward trend. Mesquite (NV) was not tested. The highest recent signals were observed at A.K. Warren (Los Angeles County) with 165.73, followed by Central Valley (UT) at 104.74, Hyperion (Los Angeles) at 98.63, and Provo (UT) at 77.28. Lower levels were seen at Flamingo, RP-1 (Ontario), Riverside, and Indio. Most sites were sampled August 6; RP-1, Riverside, and Valley on August 7.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	27.98	↓	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	165.73	↓	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	98.63	↓	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	104.74	↓	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	77.28	↓	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	22.37	↓	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	31.85	↓	August 7 2025
Valley Sanitary District	Indio, CA	Current	23.45	↑	August 7 2025

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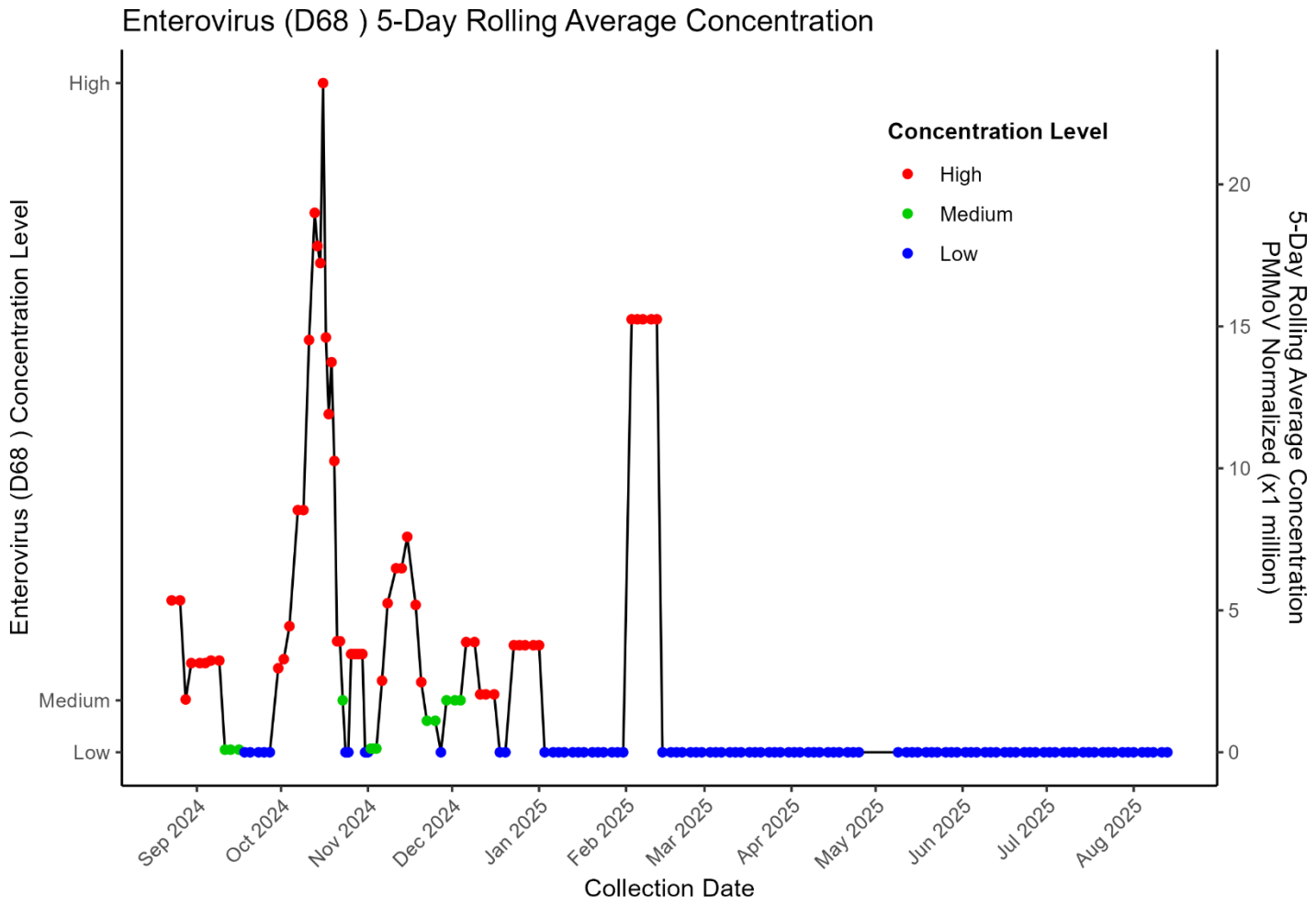
Enterovirus D68 Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

Clark County's Flamingo Water Resource Center wastewater indicates Enterovirus D68 activity from Aug 2024 to Aug 6, 2025. Concentrations were mostly low through early October, then surged in late October–early November, reaching the chart's peak in early November. Shorter, secondary increases occurred through November and December, with several medium readings. After January 2025, detections fell to low and the 5-day rolling, PMMoV-normalized average trended to zero, remaining flat from February through early August 2025. Points are color-coded: red high, green medium, blue low. The latest sample, collected Aug 6, 2025, shows continued low or near-zero concentrations.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 08/06/2025

Enterovirus D68 Concentrations Interpretation.

As of August 7, 2025, Enterovirus D68 levels in wastewater remained mostly low across monitored sites. Most facilities, including Flamingo Water Resource Center (Las Vegas, NV), Hyperion Water Reclamation Plant (Los Angeles, CA), and Central Valley Water Reclamation Facility (UT), reported 0.00 levels with stable or decreasing trends. Provo City Water Reclamation Facility (UT) showed a slight decline. Only Regional Water Recycling Plant No.1 (Ontario, CA) and Riverside Water Quality Control Plant (CA) detected measurable levels (2.17 and 2.46, respectively), with Ontario trending upward. Mesquite Wastewater Treatment Plant (NV) was not tested.

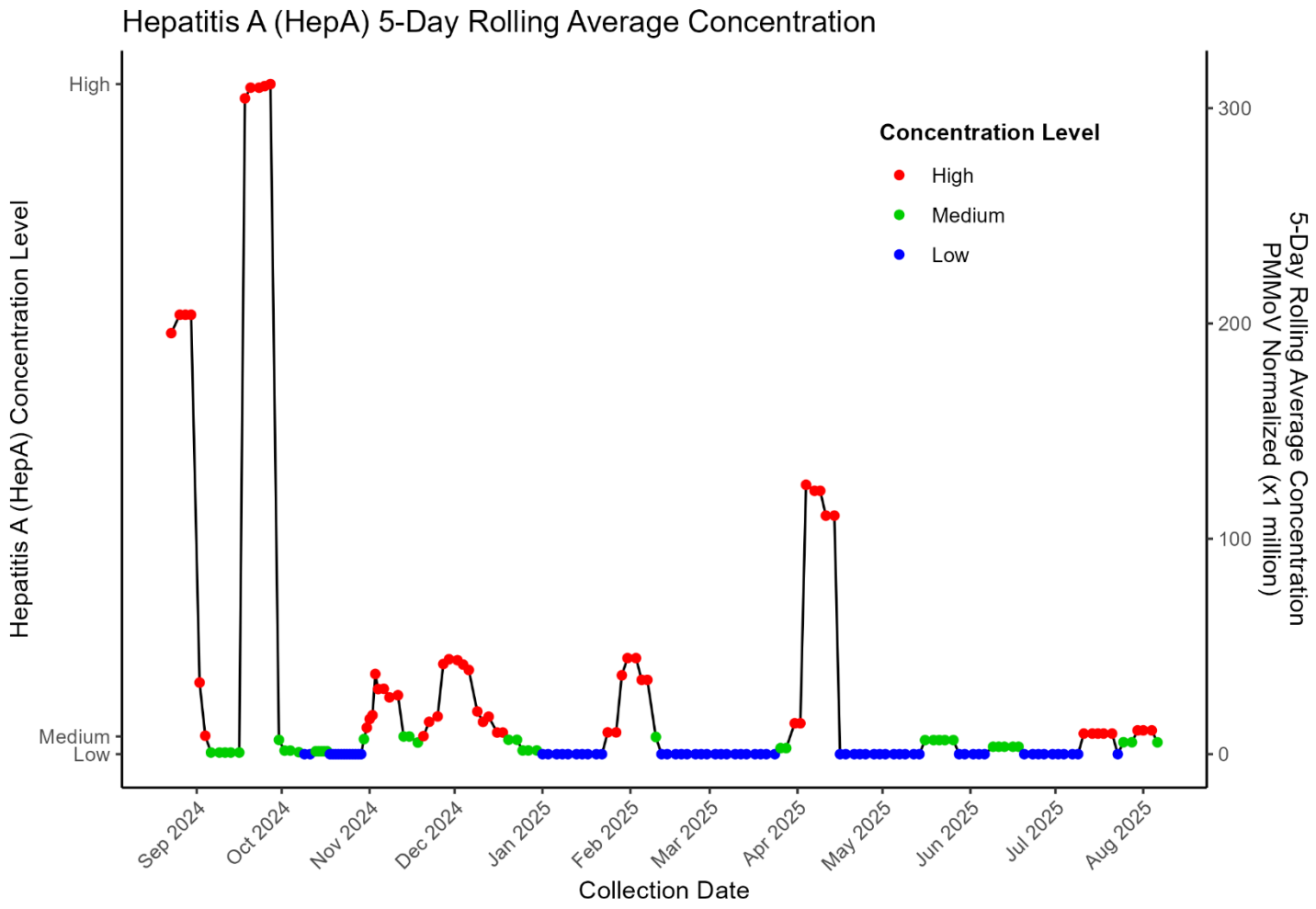
Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	↓	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	2.17	↑	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	2.46	→	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

WASTEWATER WEEKLY SURVILLANCE REPORT

Hepatitis A (HepA) Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph displays a 5-day rolling average of Hepatitis A (HepA) concentrations from August 2024 to August 6, 2025, at the Flamingo Water Resource Center in Clark County. Peaks in high concentration occurred in September, October, and May, while most other periods showed low to medium levels. Concentration levels are color-coded: red for high, green for medium, and blue for low. Data is normalized using PMMoV levels. The last recorded sample was collected on August 6, 2025.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date:08/06/2025

Hepatitis A Concentrations Interpretation.

As of early August 6, 2025, Hepatitis A levels in wastewater across western U.S. facilities showed varied trends. Flamingo Water Resource Center (Las Vegas) reported 5.49, while Mesquite, NV was not tested. Los Angeles County's A.K. Warren Facility recorded 16.03, and Hyperion (Los Angeles) 46.52. Central Valley (UT) and Provo (UT) both reported 0.00. Ontario, CA's RP-1 also showed 0.00, Riverside, CA recorded 0.00, and Valley Sanitary District (Indio, CA) remained at 0.00. Overall, some urban California sites showed notable activity, while many facilities reported no detectable HepA levels.

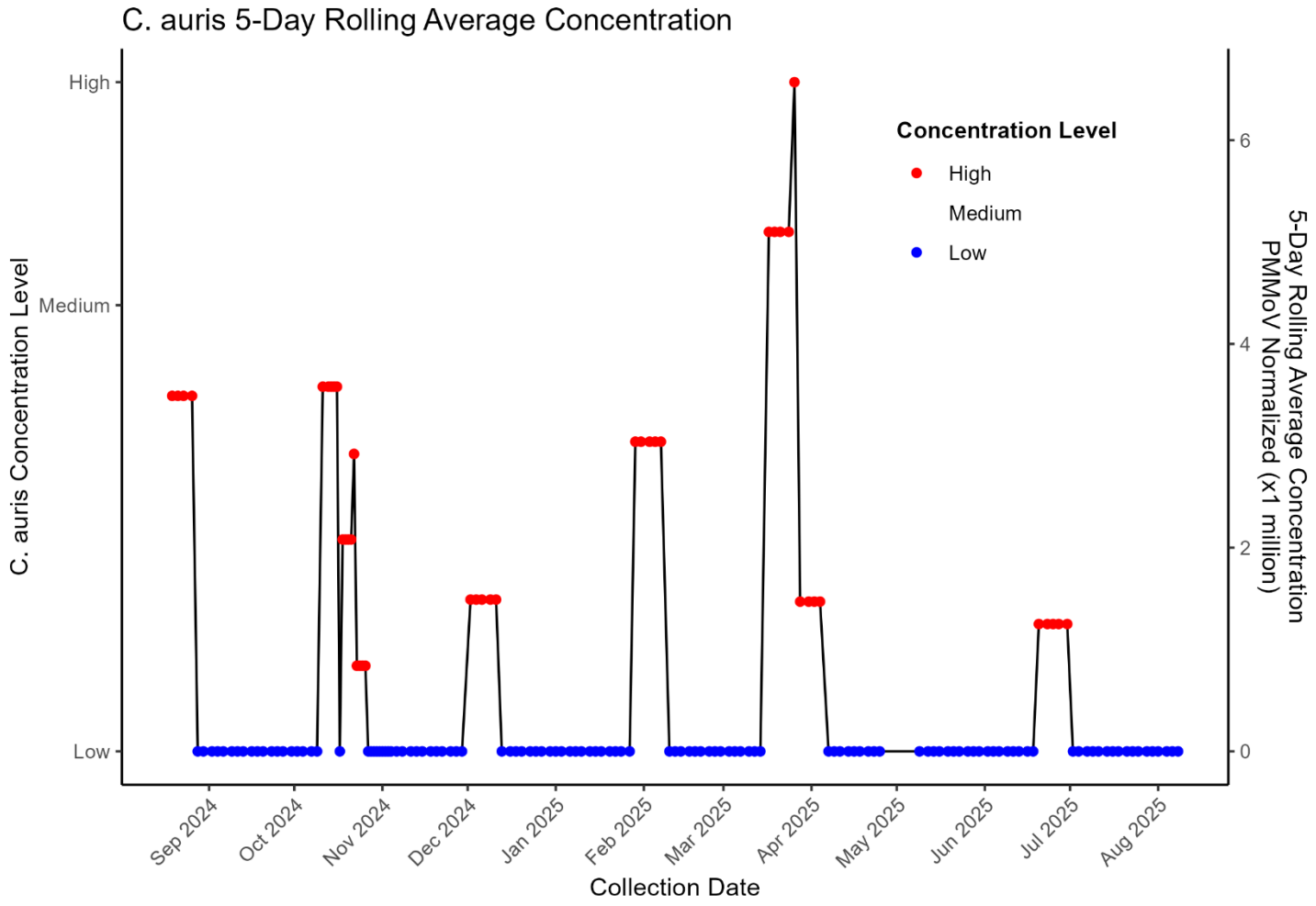
Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	5.49	↓	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	16.03	↑	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	46.52	↓	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	↓	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

WASTEWATER WEEKLY SURVILLANCE REPORT

Candida Auris Fungal Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph shows *Candida auris* (C_auris) 5-day rolling average concentrations at the Flamingo Water Resource Center from August 2024 to July 2025. High levels (red) were observed in September, November, March, and May. Medium (green) and low (blue) levels occurred intermittently, with predominantly low concentrations from October 2024 through February 2025 and again from April to August 2025. The right axis displays normalized PMMoV values. The last sample was taken on August 6, 2025, showing low concentration.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date:08/06/2025

***Candida Auris* Concentrations Interpretation.**

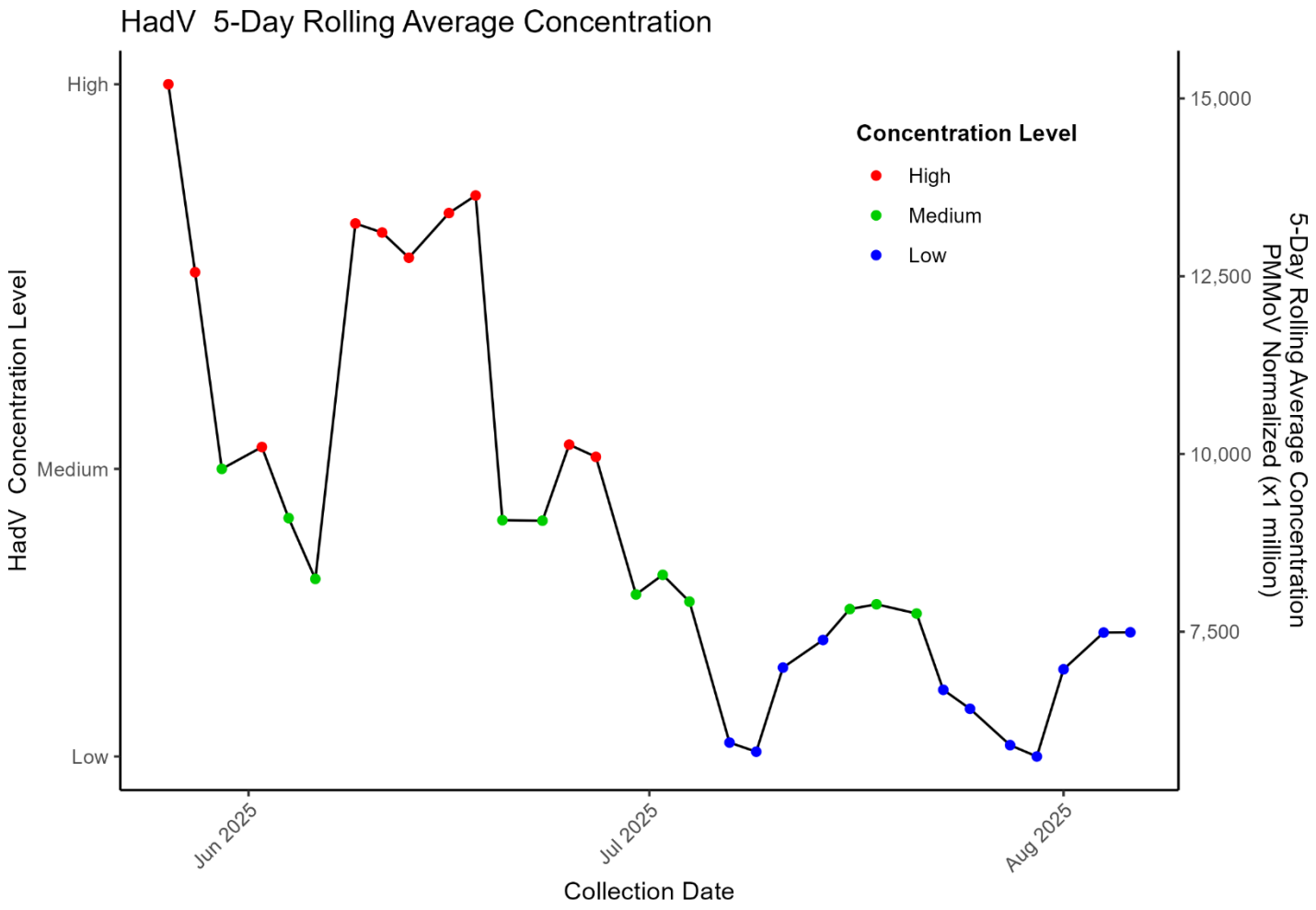
As of August 6,2025, *Candida auris* (C_auris) levels were undetectable (0.00) at all tested wastewater treatment plants across Nevada, California, and Utah. This includes facilities in Las Vegas, Los Angeles County, Ontario, Riverside, Indio, Provo, and Central Salt Lake Valley. The Mesquite Wastewater Treatment Plant was not tested.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	→	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	→	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	→	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

Adenovirus Group F Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph displays Adenovirus group F (HadV) 5-day rolling average concentrations at the Flamingo Water Resource Center from June to August 6, 2025. Initially, levels were high (red), fluctuating between high and medium (green) through June. A sharp drop occurred in early July, transitioning into sustained medium and then low levels (blue) by late July. The overall trend indicates a steady declin e in HadV concentrations over time. The last recorded sample, taken on August 6, 2025, showed a low concentration level.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date:08/06/2025

Adenovirus Group F Concentrations Interpretation.

As of August 7, 2025, Adenovirus group F (HadV) levels in wastewater varied across Nevada, California, and Utah. In Nevada, Flamingo Water Resource Center (7,492.42,) showed a decline, while Mesquite's facility was not tested. In California, A.K. Warren (6,889.51), Regional Plant No.1 (17,445.17), and Riverside (5,430.97) reported increases, while Hyperion (2,040.57) and Valley Sanitary District (1,054.53) declined. In Utah, Central Valley (11,522.05) and Provo City (6,889.77) also declined. Trends indicate mixed regional patterns, with notable spikes in Ontario and Riverside, CA.

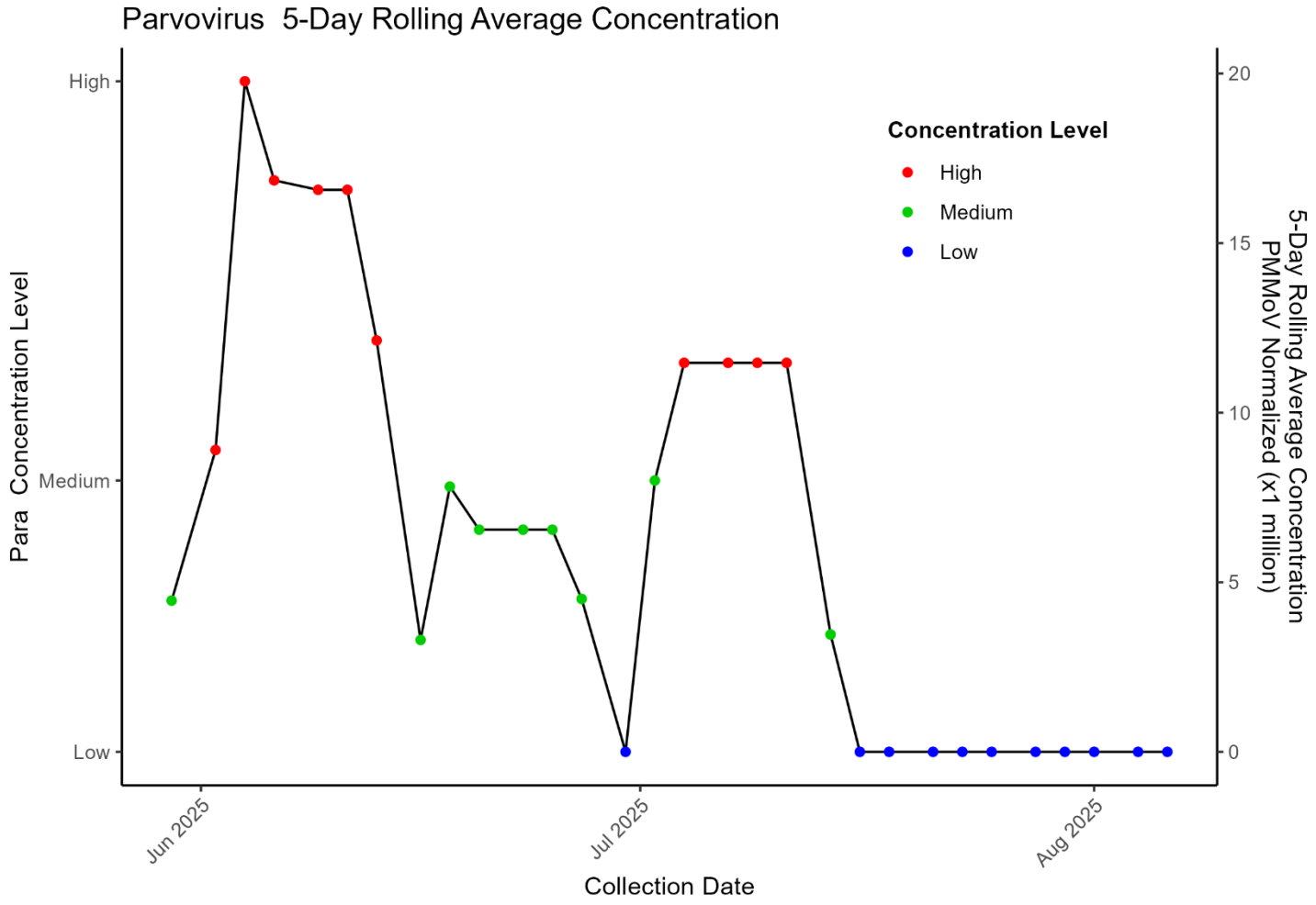
Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	7492.42	↓	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	6,889.51	↑	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	2,040.57	↓	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	11,522.05	↓	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	6,889.77	↓	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	17,445.17	↑	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	5,430.97	↑	August 7 2025
Valley Sanitary District	Indio, CA	Current	1,054.53	↓	August 7 2025

WASTEWATER WEEKLY SURVILLANCE REPORT

Parvovirus Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The graph presents Parvovirus 5-day rolling average concentrations at the Flamingo Water Resource Center from June to August 6, 2025. Concentrations peaked in early June at high levels (red) and gradually declined through mid-June. After a brief resurgence of high levels in early July, the concentration dropped sharply. From mid-July to the end of the month, levels remained consistently low (blue). The trend shows two distinct spikes followed by a sustained decline. The last sample, taken on August 6, 2025, showed medium concentration.



Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date:8/06/2025

Parvovirus Concentrations Interpretation.

As of August 7, 2025, wastewater monitoring in Nevada, California, and Utah showed varied Rotavirus levels. Several facilities, including Flamingo Water Resource Center (Las Vegas), Provo City, Regional Water Recycling Plant No.1 (Ontario), and Valley Sanitary District (Indio), reported zero levels with stable trends. The A.K. Warren facility (Los Angeles County) had low levels (0.33) with no change, while Hyperion (Los Angeles) recorded 1.12 with an upward trend. Central Valley (Salt Lake Valley) showed 0.70 with a decline, and Riverside had the highest level at 2.79, also declining. Mesquite's facility was not tested.

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	-	Not Tested	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.33	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	1.12	↑	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.70	↓	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	→	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	→	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	2.79	↓	August 7 2025
Valley Sanitary District	Indio, CA	Current	0.00	→	August 7 2025

Influenza H5 Viral Detection Comparing to Neighboring States

As of August 7, 2025, wastewater surveillance from nine treatment facilities across California, Nevada, and Utah showed no detectable levels of Influenza H5. All sites reported a 5-day rolling mean of zero with no change in the 14-day trend, indicating consistent and stable conditions with no current Influenza H5 activity observed m

Plant Name	City	Time frame	5 Day Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0	→	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0	→	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0	→	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0	→	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0	→	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	0	→	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0	→	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	0	→	August 7 2025
Valley Sanitary District	Indio, CA	Current	0	→	August 7 2025

MPOX Clade 1b Viral Detection Comparing to Neighboring States.

As of August 7,2025, wastewater surveillance from nine facilities across California, Nevada, and Utah shows no detectable levels of Mpox clade 1b, with all sites. Both Las Vegas and Mesquite reported no detection. While locations like Los Angeles and Provo, UT had detections within the past 90 days, no recent presence was observed.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	August 7 2025
Valley Sanitary District	Indio, CA	Current	Non-detect	August 7 2025

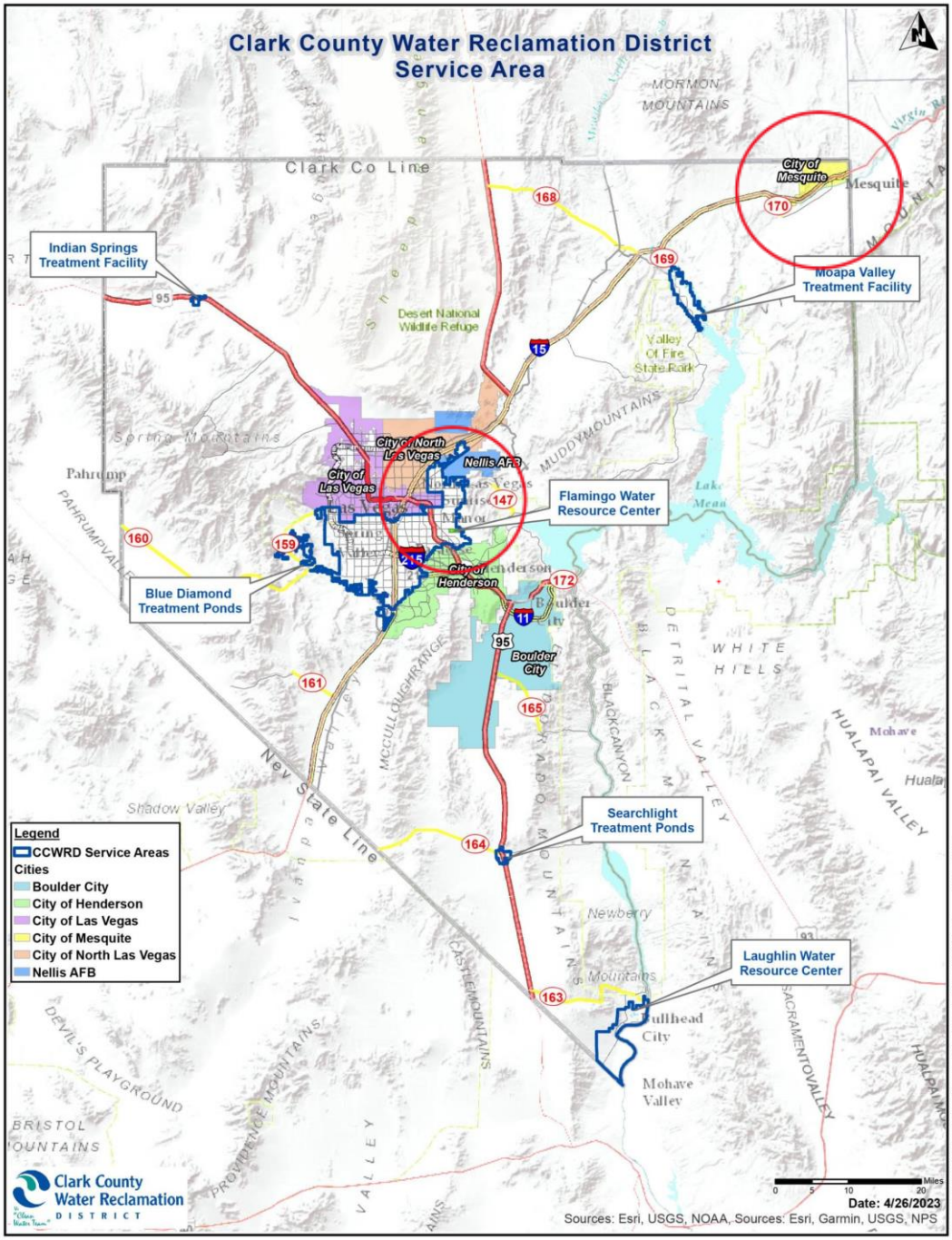
Measles Viral Detection Comparing to Neighboring States.

As of August 7, 2025, wastewater surveillance at nine facilities across California, Nevada, and Utah shows minimal measles activity. The Flamingo Water Resource Center in Las Vegas detected measles on August 1, but a follow-up sample on August 6 was negative. All other sites including Los Angeles County, Ontario, Riverside, Indio, and Central Salt Lake Valley reported non-detectable levels in their latest samples, indicating no evidence of widespread measles in the region.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	August 6 2025
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	August 6 2025
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	August 6 2025
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	August 6 2025
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	August 6 2025
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	August 6 2025
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	August 7 2025
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	August 7 2025
Valley Sanitary District	Indio, CA	Current	Non-detect	August 7 2025

Appendix

Wastewater Sampling Sites in Clark County, Nevada (red circles).



Source: Clark County Water Reclamation District