



THE SOUTHERN NEVADA HEALTH DISTRICT'S WEEKLY WASTEWATER SURVEILLANCE REPORT

April 27, 2026

Prepared by:
Jeremiah Zablon
Epidemiologist
Office of Epidemiology
Southern Nevada Health District

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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, Boulder City, selected Utah wastewater treatment facilities and California wastewater treatment facilities and is analyzed and reported by **Wastewater Scan** (<https://www.wastewaterscan.org/en>) a collaborative project led by **Stanford University**, **Emory University**^{2,3}, and **Verily**¹, funded through philanthropic support to Stanford. 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: The Southern Nevada Health District (SNHD) uses PMMoV microbial normalization, while the CDC and the state rely on viral-activity normalization.

Executive Summary of April 27, 2026, Report

This report summarizes the latest wastewater pathogen surveillance results for Clark County, Nevada, and surrounding regions. The analysis focuses on three key facilities, the Flamingo Water Reclamation Facility (FWRF), Mesquite Wastewater Treatment Plant, and Boulder Wastewater Treatment Plant with comparisons to selected sites in Utah and California. Surveillance was carried out by WastewaterSCAN and Verily, targeting a wide range of pathogens, including SARS-CoV-2 and its variants, seasonal respiratory viruses (Influenza A, Influenza B, RSV, Human Metapneumovirus (HMPV)), and gastrointestinal pathogens (Norovirus, Rotavirus, *Enterovirus D68*, Hepatitis A). The study also accounts for site-level differences, noting that variations in sampling and analytical methods may influence results.

Key Findings (as of April 27, 2026)

As of April 27, 2026, wastewater surveillance across Nevada, California, and Utah shows a diverse pattern of respiratory and gastrointestinal pathogen activity, with several agents displaying elevated or rising concentrations region-wide.

SARS-CoV- were low regionally, with mostly declining trends. Small increases at a few sites remained minimal, indicating stable and limited transmission across Nevada, California, and Utah. Variant analysis showed dynamic lineage turnover, with XFG remaining dominant overall but intermittent emergence of LF.7 sub lineages, BA.2.86, NB.1.8.1, and XDV.

Influenza A Levels remained low to moderate, with mostly declining trends and only modest increases at select sites regionally.

Influenza B Levels were low overall, with declining trends predominating and only modest increases at a few sites.

Respiratory Syncytial Virus (RSV) Levels were low and mostly declining regionally, indicating waning transmission with only minor localized increases.

Other Pathogens Norovirus and rotavirus continue to be the most prominent wastewater signals, with Norovirus highly elevated and widespread and rotavirus elevated with variable regional trends. Adenovirus F also remains elevated, particularly in Southern California and Utah, though shorter trends are mixed. In contrast, HMPV and EV-D68 remain low or absent, consistent with waning seasonal activity. Hepatitis A levels stayed low or undetectable, with only minor fluctuations observed at Hyperion, Riverside, and RP-1. *Candida auris* was largely undetectable, aside from small, stable detections at A.K. Warren and RP-1. Parvovirus remained low with minimal increases. Mesquite and Boulder City reported no detections for pathogens outside their testing panels. No detections occurred for Influenza H5, West Nile virus, or Mpox. Measles was undetected at most facilities, with limited detections at Central Valley and Provo, indicating localized activity.

Methodological Notes: Sampling methods varied across sites. FWRF in Nevada, all California facilities (A.K. Warren, Hyperion, RP-1, Riverside, Valley Sanitary District), and Utah facilities (Central Valley and Provo City) collected 24-hour composite solid samples analyzed by WastewaterSCAN. In contrast, Mesquite and Boulder City relied on liquid grab samples analyzed by Verily. These methodological differences likely influenced pathogen measurement

Summary of Select Pathogen Concentrations in three wastewater treatment facilities in Nevada

- Latest data point for Flamingo Water reclamation district plant April 24,2026
- Latest data point for City of Mesquite Wastewater Treatment Plant is April 23,2026
- Latest data point for Boulder City Wastewater Treatment Plant April 22,2026

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

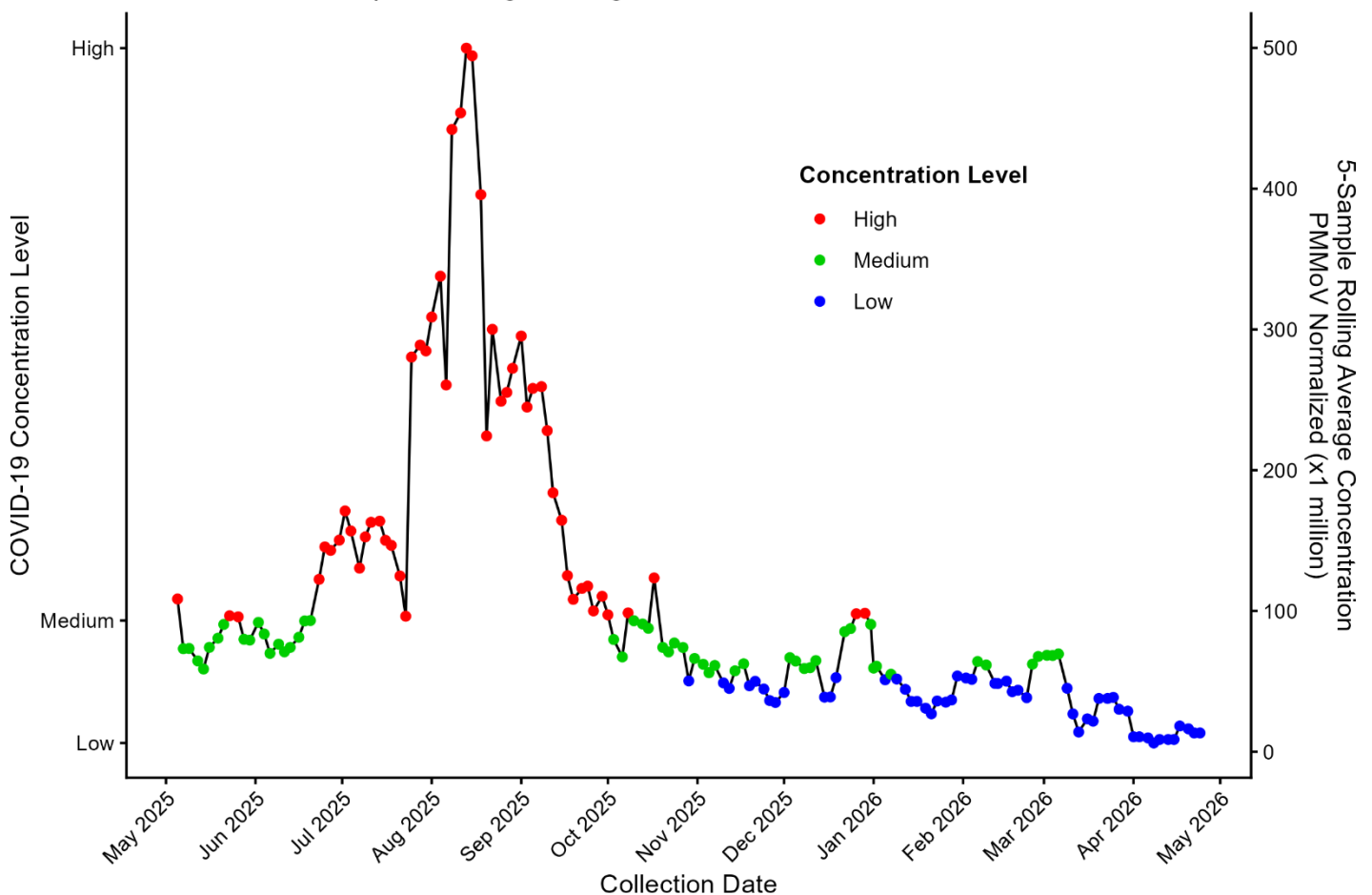
Note: The wastewater data for Las Vegas were collected from the Flamingo Water Reclamation District Plant, where samples were analyzed on solids and sourced from Wastewater SCAN. In contrast, data for the City of Mesquite and Boulder City were analyzed on liquid samples by Verily and provided by the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

SARS-CoV-2 Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows COVID-19 concentrations at the Flamingo Water Resource Center fluctuated markedly from April 2025 to April 2026. Levels were high in early spring, then fell to medium and low through summer before rising sharply to the year's peak in late August and early September. After this surge, concentrations steadily declined through fall, briefly rose in late December, and returned to consistently low levels throughout early 2026. By mid-March 2026, COVID-19 activity remained low and stable, indicating reduced viral circulation heading into spring.

COVID-19 5-Sample Rolling Average Concentration

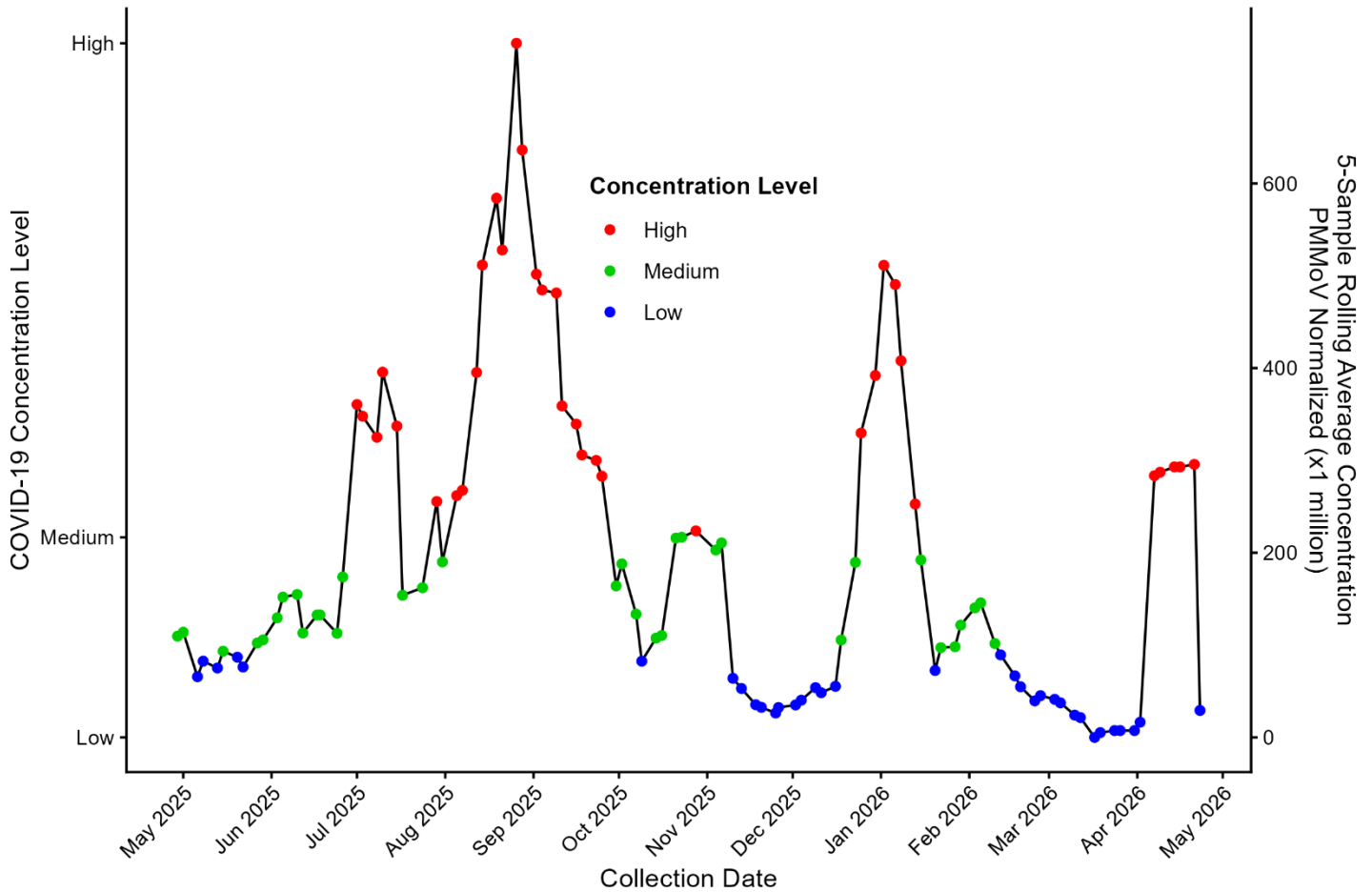


Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 04/24/26

City of Mesquite Wastewater Treatment Plant

The chart shows COVID-19 wastewater concentrations in the City of Mesquite showed pronounced variability from May 2025 through April 2026, with multiple distinct surges. Levels were generally low to medium in late spring and early summer before rising sharply in July and peaking at high concentrations in late August and early September 2025, representing the largest surge of the period. After declining into October, concentrations fluctuated at low to medium levels through fall. A second notable surge occurred in January 2026, reaching high levels before steadily declining through February and March. By early April 2026, concentrations remained mostly low with a recent uptick, indicating generally reduced but fluctuating viral activity.

COVID-19 5-Sample Rolling Average Concentration



Data Source: State Data from Verily
 Sampling Location: City of Mesquite
 Last Sampling Date: 04/23/26

SARS-CoV-2 Concentrations Interpretation

As of April 27, 2026, SARS-CoV-2 wastewater concentrations were generally low across Nevada, California, and Utah. Most sites reported low rolling mean values with declining trends, indicating reduced transmission. Modest increases were observed at Flamingo, A.K. Warren, RP-1, and Indio, though levels remained low overall. These findings suggest limited and stable regional SARS-CoV-2 activity during this period.

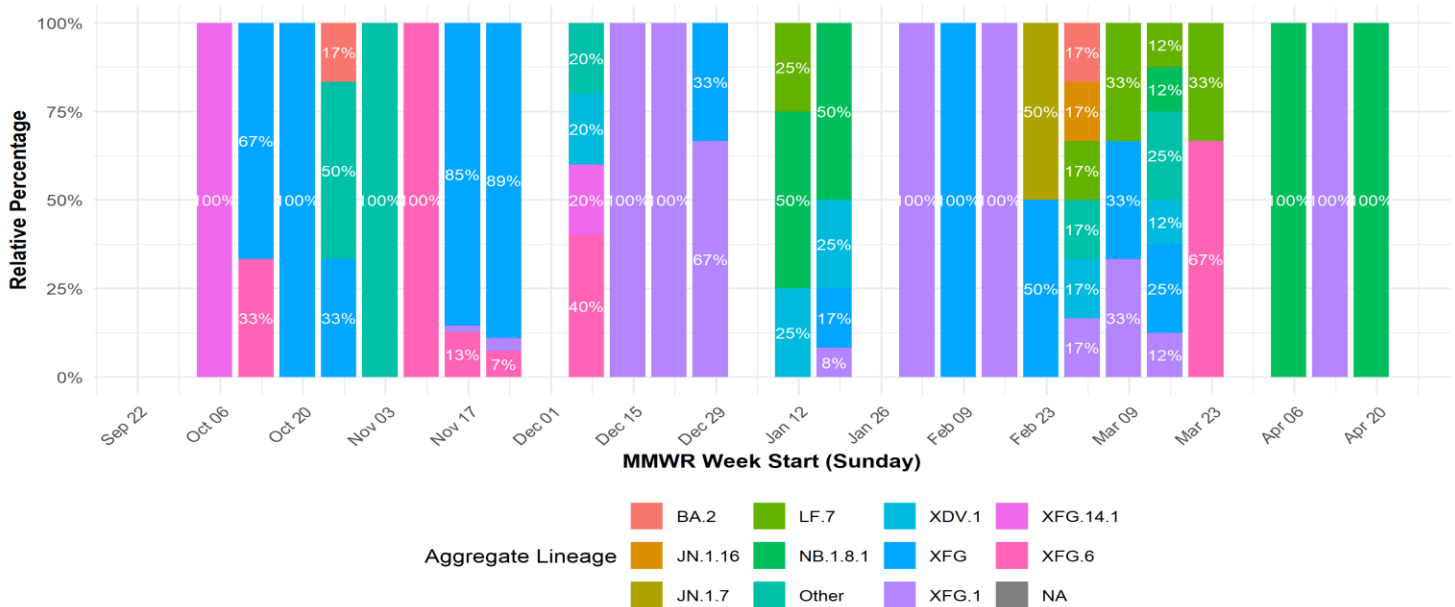
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	13.31	↑	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	29.22	↓	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	7.06	↓	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	4.60	↑	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	3.34	↓	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	6.92	↓	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	21.50	↓	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	4.79	↑	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	5.08	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	2.20	↑	April 27, 2026

Mesquite Wastewater Treatment Plant

The chart shows SARS-CoV-2 lineage patterns in Mesquite, Nevada wastewater from October 2025 through April 2026, demonstrating substantial variability over time. Early fall detections were dominated by XFG-related lineages, with intermittent appearances of XFG.6 and XDV.1. November and December showed increased diversity, including BA.2 and other emerging lineages, followed by periods of near-total dominance by XFG.1. In January and February, lineage composition fluctuated markedly, with mixtures of JN.1 sub lineages and XFG variants. By March and April, detections narrowed again, with dominance shifting toward select lineages, reflecting episodic diversification and transient lineage replacement rather than sustained emergence of a single new dominant variant.

Aggregate Lineages: City of Mesquite NV (Oct 2025 – Apr 2026)

Weekly relative abundance (MMWR week start = Sunday)



Source: Nevada State Health Department | Analyzed by Verily
Data through Apr 23, 2026

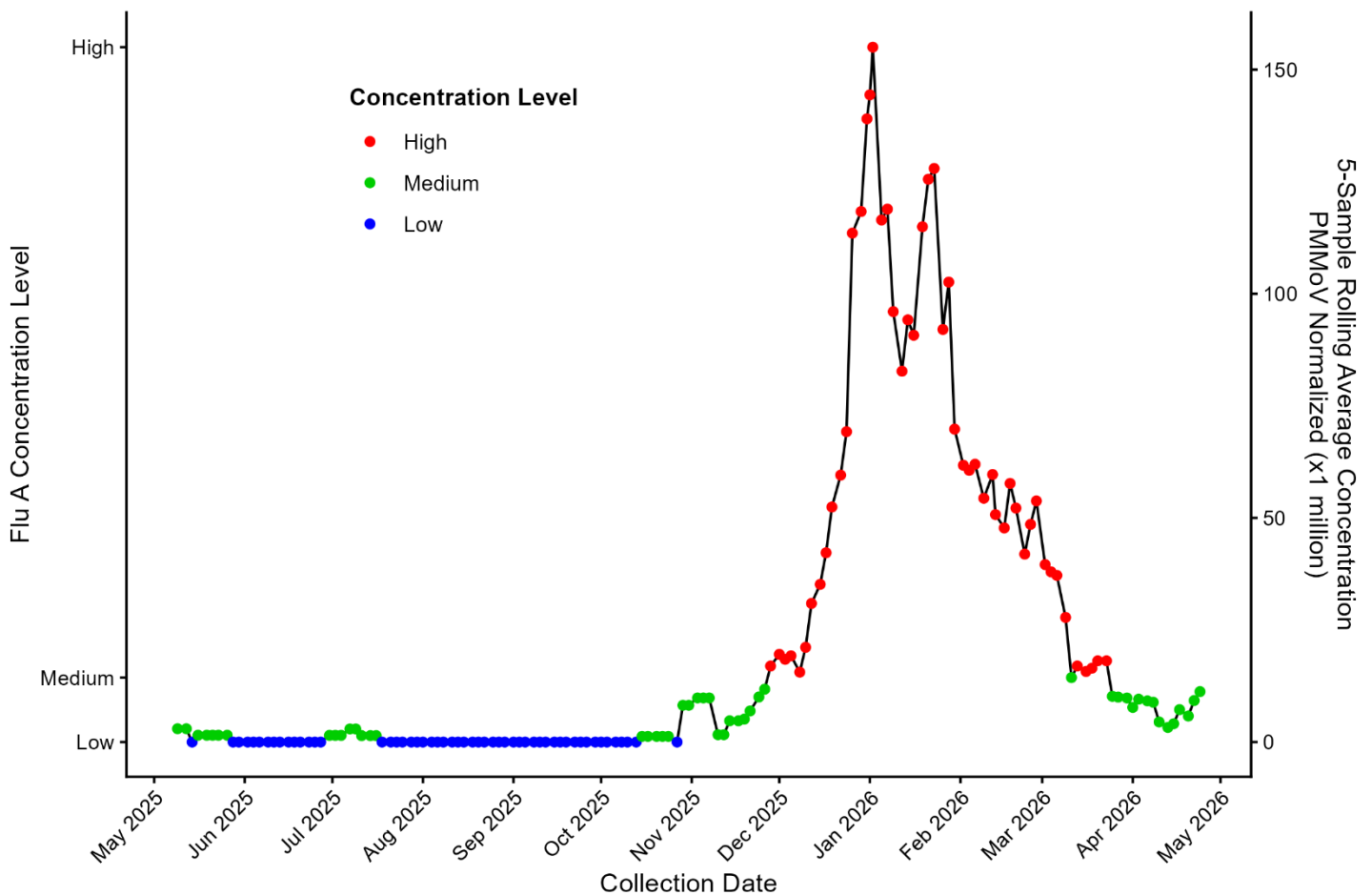
Note: Data for the week of December 1, December 29, January 26, and March 23, is missing and is not represented in the dataset.

Influenza A Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Influenza A wastewater concentrations at the Flamingo Water Reclamation District showed clear seasonal dynamics from April 2025 through April 2026. Levels declined from medium in April to consistently low concentrations throughout late spring, summer, and early fall, indicating minimal Flu A activity during this period. Beginning in November 2025, concentrations rose steadily, transitioning from low to medium and then sharply increasing in December. Peak activity occurred in January 2026, with sustained high concentrations reflecting intense winter transmission. After the peak, levels gradually declined through February and March. By early April 2026, concentrations had returned to medium-to-low levels, signaling waning Influenza A circulation.

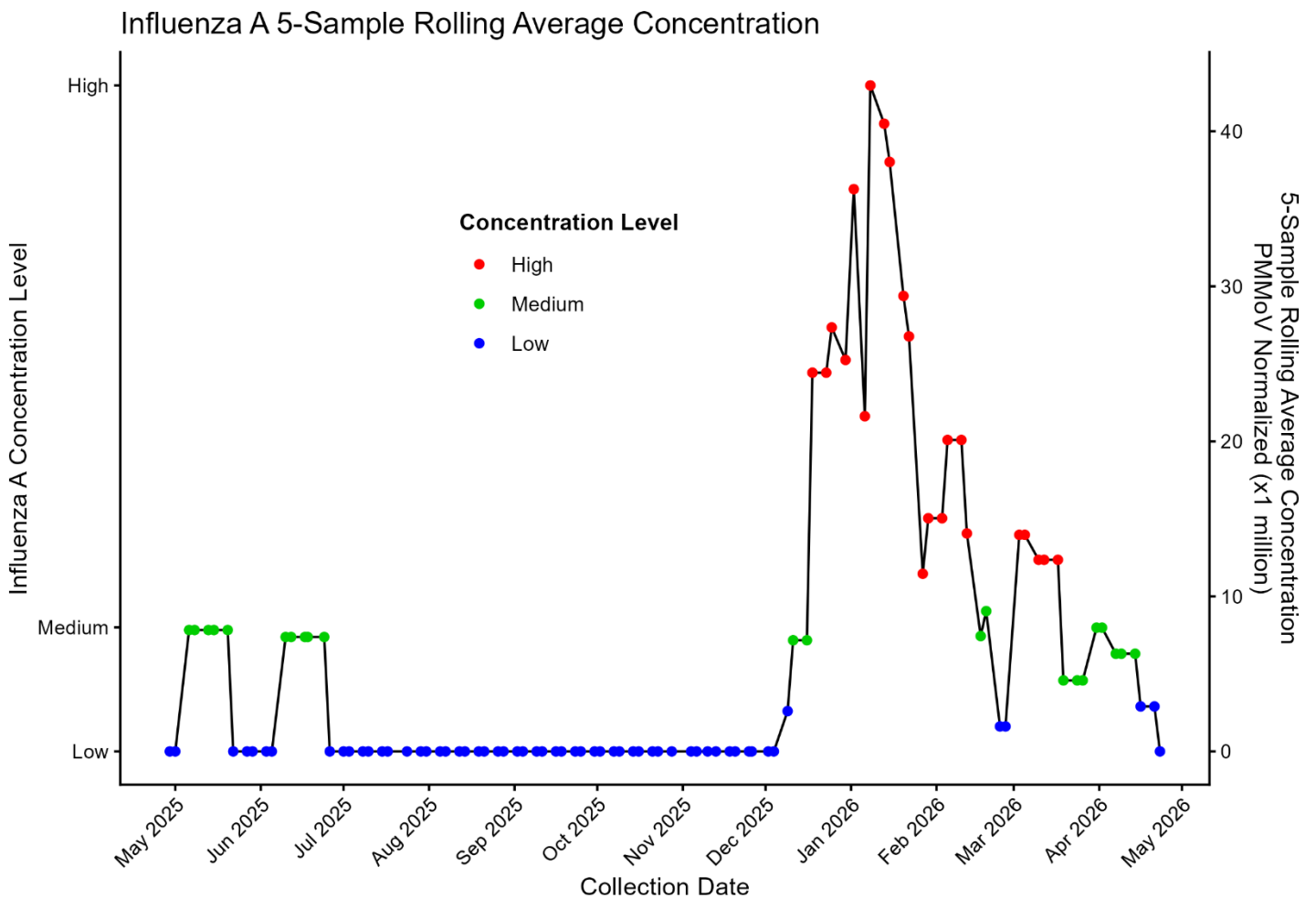
Influenza A (Flu A) 5-Sample Rolling Average Concentration



Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 2026-04-24

City of Mesquite Wastewater Treatment Plant

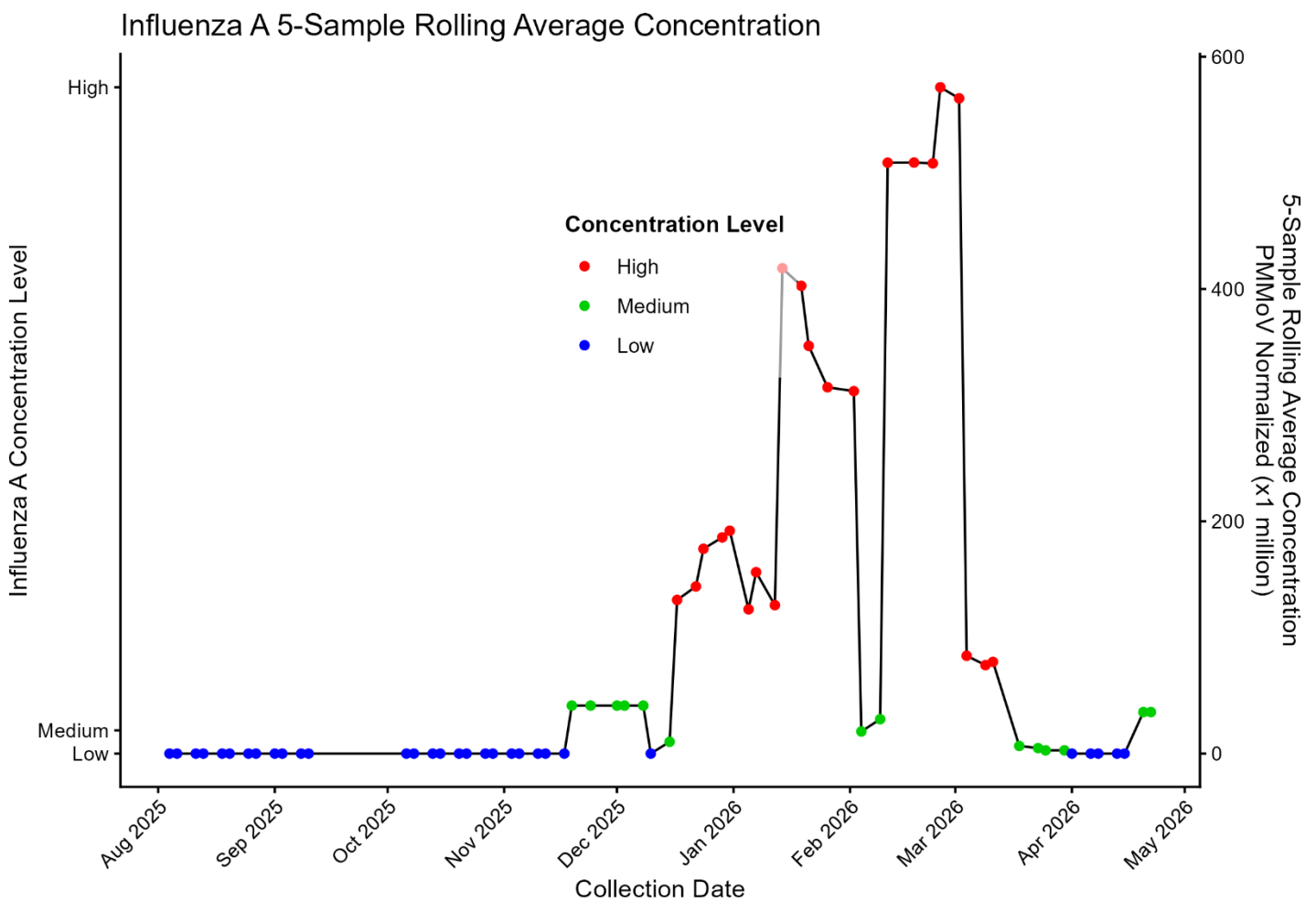
The chart shows Influenza A wastewater concentrations in the City of Mesquite showed strong seasonal patterns from May 2025 through April 2026. Levels were generally low from late spring through fall, with only brief periods of medium activity in May and June, indicating minimal community transmission during summer and early fall. Beginning in December 2025, concentration increased rapidly from low to medium and then high levels. Peak activity occurred in January 2026, with several pronounced spikes reflecting intense winter transmission. After January, concentrations declined through February, with intermittent rebounds. By March and early April 2026, levels returned to low-to-medium, signaling waning Influenza A circulation toward spring.



Data Source: State Data from Verily
 Sampling Location City of Mesquite wastewater treatment plant
 Last Sampling Date: 04/23/26

Boulder City Wastewater Treatment Plant

The chart shows Influenza A wastewater concentrations at the Boulder City wastewater treatment plant showed pronounced seasonal variation from August 2025 through April 2026. Levels remained consistently low from late summer through most of fall, indicating minimal influenza activity during this period. A brief rise to medium concentrations occurred in late November and early December. Beginning in January 2026, concentrations increased sharply, reaching sustained high levels with multiple peaks through February, reflecting intense winter transmission. The highest concentrations were observed in late February. Activity declined rapidly in early March, followed by a return to low concentrations by late March and April 2026, signaling waning Influenza A circulation entering spring.



Data Source: State Data from Verily
 Sampling Location: Boulder City wastewater treatment plant
 Last Sampling Date: 04/22/26

Interpretation of Influenza A Concentrations

As of April 27, 2026, Influenza A wastewater levels were low to moderate across Nevada, California, and Utah. Most sites reported low concentrations, with modest increases observed at Flamingo, A.K. Warren, Central Valley, Provo, and RP-1. Several facilities, including Mesquite, Hyperion, Riverside, and Indio, showed declining or minimal activity, indicating limited ongoing regional transmission.

Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	11.25	↑	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	↓	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	35.71	→	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	2.07	↑	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	↓	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	1.36	↑	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	6.84	↑	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	1.07	↑	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	1.65	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	0.22	↓	April 27, 2026

Interpretation of Influenza B Concentrations

As of April 27, 2026, Influenza B wastewater levels were generally low across Nevada, California, and Utah. Most monitored sites showed declining trends, indicating decreasing circulation. Boulder City and Indio exhibited modest increases, though concentrations remained relatively low. Overall, findings suggest limited and waning regional Influenza B activity during this period.

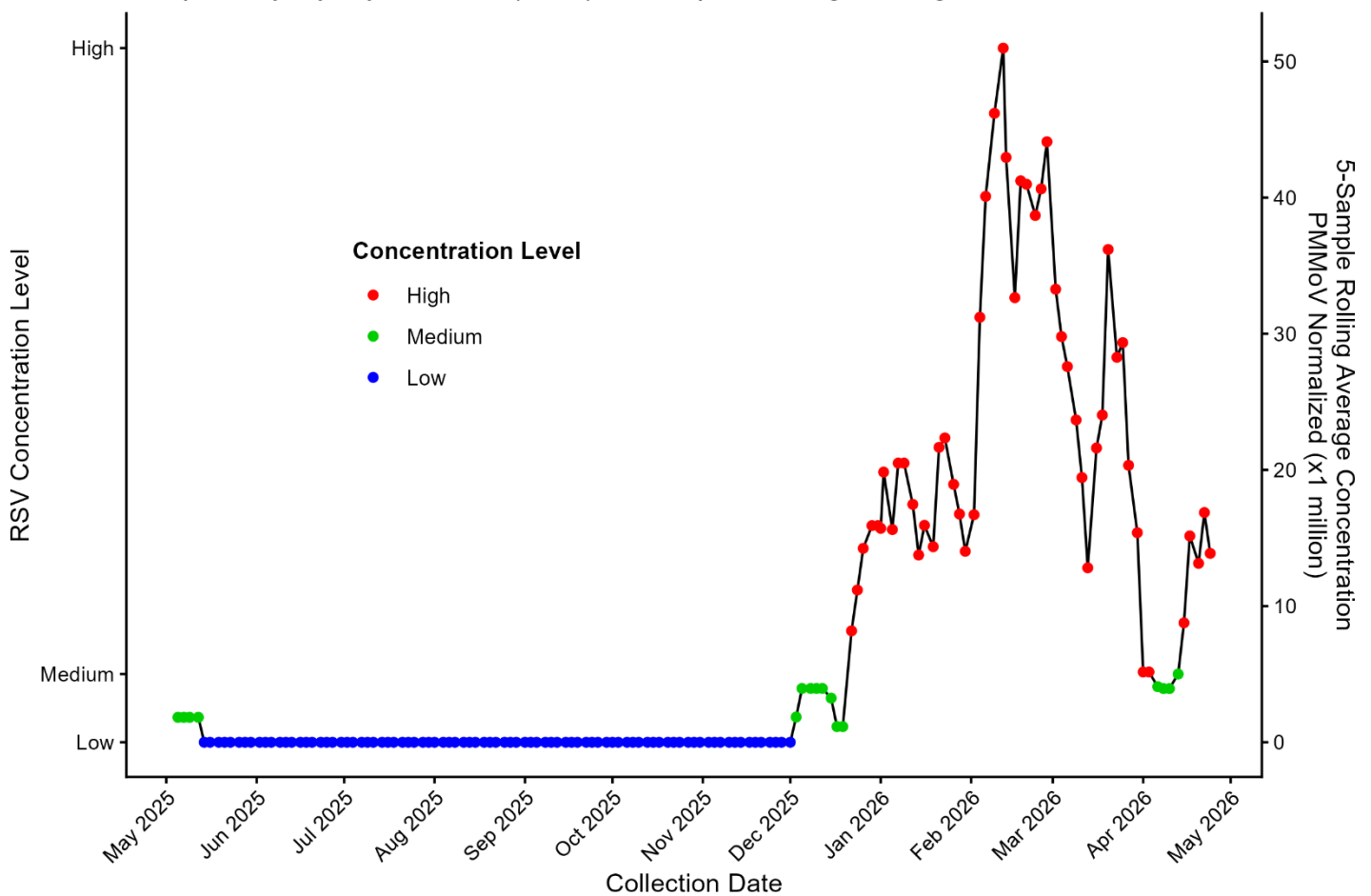
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	12.75	↓	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	1.46	↓	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	36.79	↑	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.97	↓	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	2.40	↓	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	2.72	↓	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	6.42	↓	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	2.24	↓	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	2.74	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	3.42	↑	April 27, 2026

Respiratory Syncytial Virus (RSV) Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows RSV concentrations at the Flamingo Water Resource Center from April 2025 through April 2, 2026, using a 5-sample rolling average. RSV levels were high in early spring 2025 before declining to medium and then low by May. From late May through November, concentration remained consistently low with no notable fluctuations. Activity began rising again in December, increasing from low to medium and reaching high levels by February 2026. Several high peaks persisted into early March, marking the strongest activity of the period. By mid-March, concentrations began declining, though levels remained elevated. By mid-March, concentrations began declining, though levels remained elevated.

Respiratory Syncytial Virus (RSV) 5-Sample Rolling Average Concentration

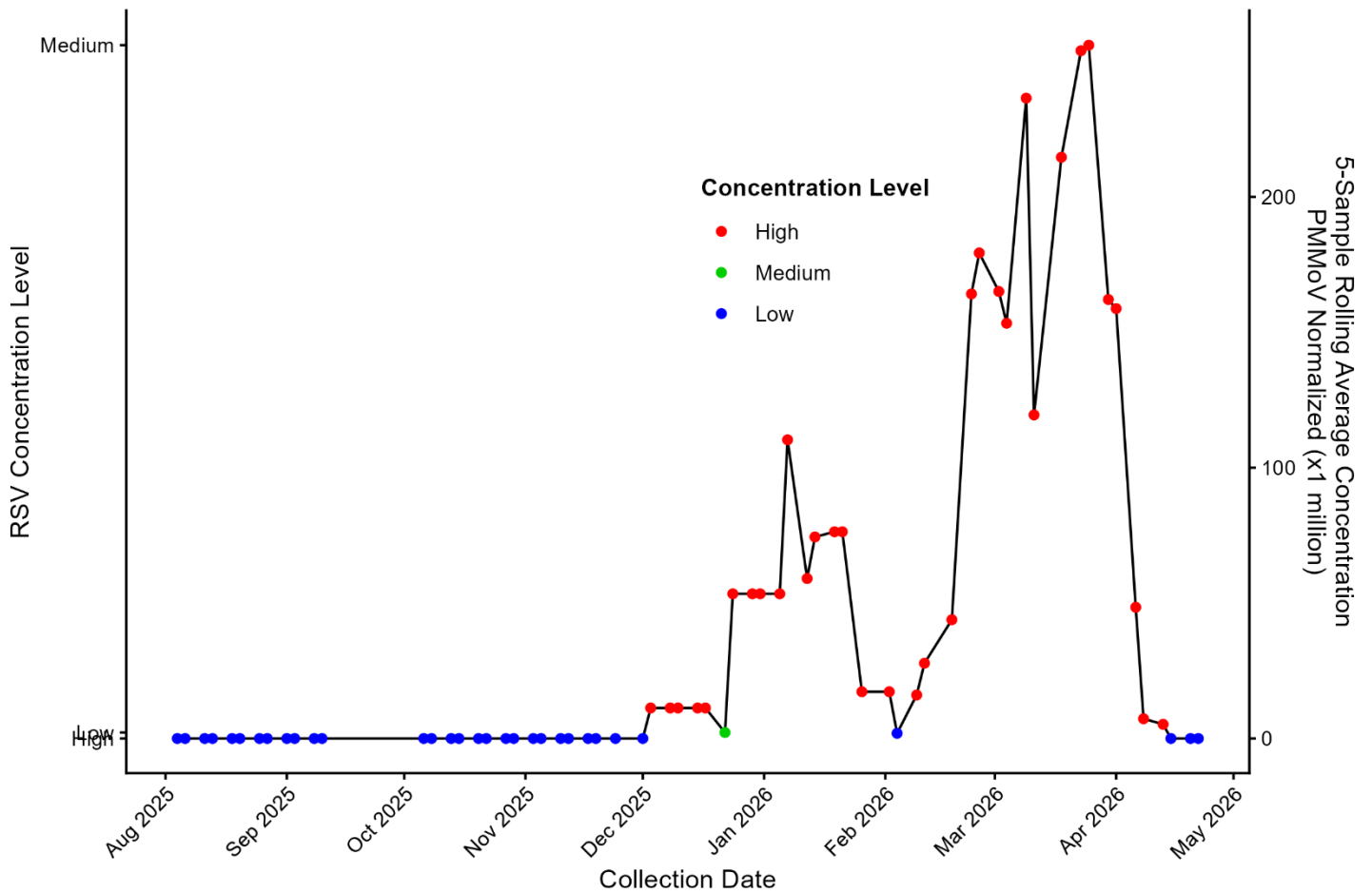


Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 2026-04-24

Boulder City Wastewater Treatment Plant

The chart shows RSV concentrations at the Boulder City wastewater treatment plant from August 2025 through March 2026 using a 5-sample rolling average. RSV remained at low levels from August through December 2025, with no notable fluctuations. In late December, concentrations began to rise slightly, reaching medium levels in early January 2026. Activity increased further through January and February, with several medium-to-high peaks indicating growing viral circulation. A sharp surge occurred in late February and early March, marking the highest RSV concentrations of the monitoring period. By mid-March, levels declined but remained elevated, reflecting strong seasonal RSV activity.

RSV 5-Sample Rolling Average Concentration



Data Source: State Data from Verily
 Sampling Location: Boulder City wastewater treatment plant
 Last Sampling Date: 04/22/26

Respiratory Syncytial Virus (RSV) Concentrations Interpretation

As of April 27, 2026, RSV wastewater levels were generally low with mostly declining trends across Nevada, California, and Utah. Decreases were observed at Mesquite, Boulder City, A.K. Warren, Central Valley, Provo, RP-1, Riverside, and Indio. Flamingo showed a slight increase, while Hyperion remained stable, indicating overall waning regional RSV activity.

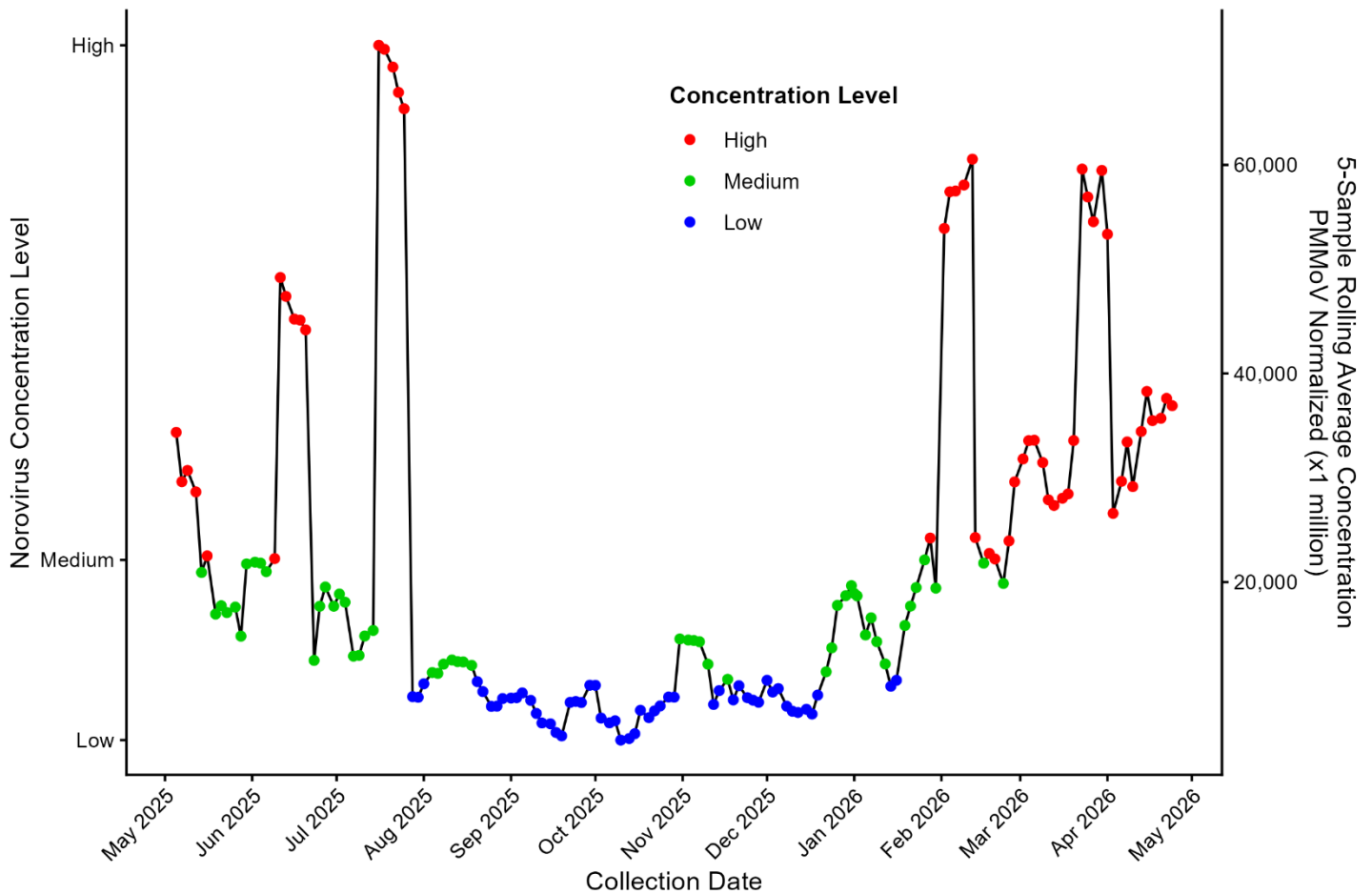
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	13.87	↑	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	↓	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	0.00	↓	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	1.89	↓	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	5.30	→	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	19.12	↓	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	21.20	↓	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	7.71	↓	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	2.80	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	3.98	↓	April 27, 2026

Norovirus Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Norovirus concentrations at the Flamingo Water Resource Center from April 2025 through April 2, 2026, using a 5-sample rolling average. Norovirus levels were extremely high in early spring 2025 and fluctuated between high and medium through May before declining to low by mid-summer. A sharp surge occurred in July, reaching the highest concentrations of the year. Levels then dropped and remained mostly low through fall, with brief medium-level increases. Beginning in January 2026, concentrations rose sharply again, peaking in February and early March. By mid-March, levels began to decline but remained elevated, indicating strong late-season activity.

Norovirus 5-Sample Rolling Average Concentration



Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 04/24/26

Interpretation of Norovirus Concentrations

As of April 27, 2026, Norovirus wastewater concentrations were highly elevated across Nevada, California, and Utah. Extremely high levels were observed at Flamingo and Provo, with increases at Flamingo and Provo. Most Southern California and Utah sites showed declining trends, but concentrations remained substantial, indicating ongoing and widespread regional norovirus activity.

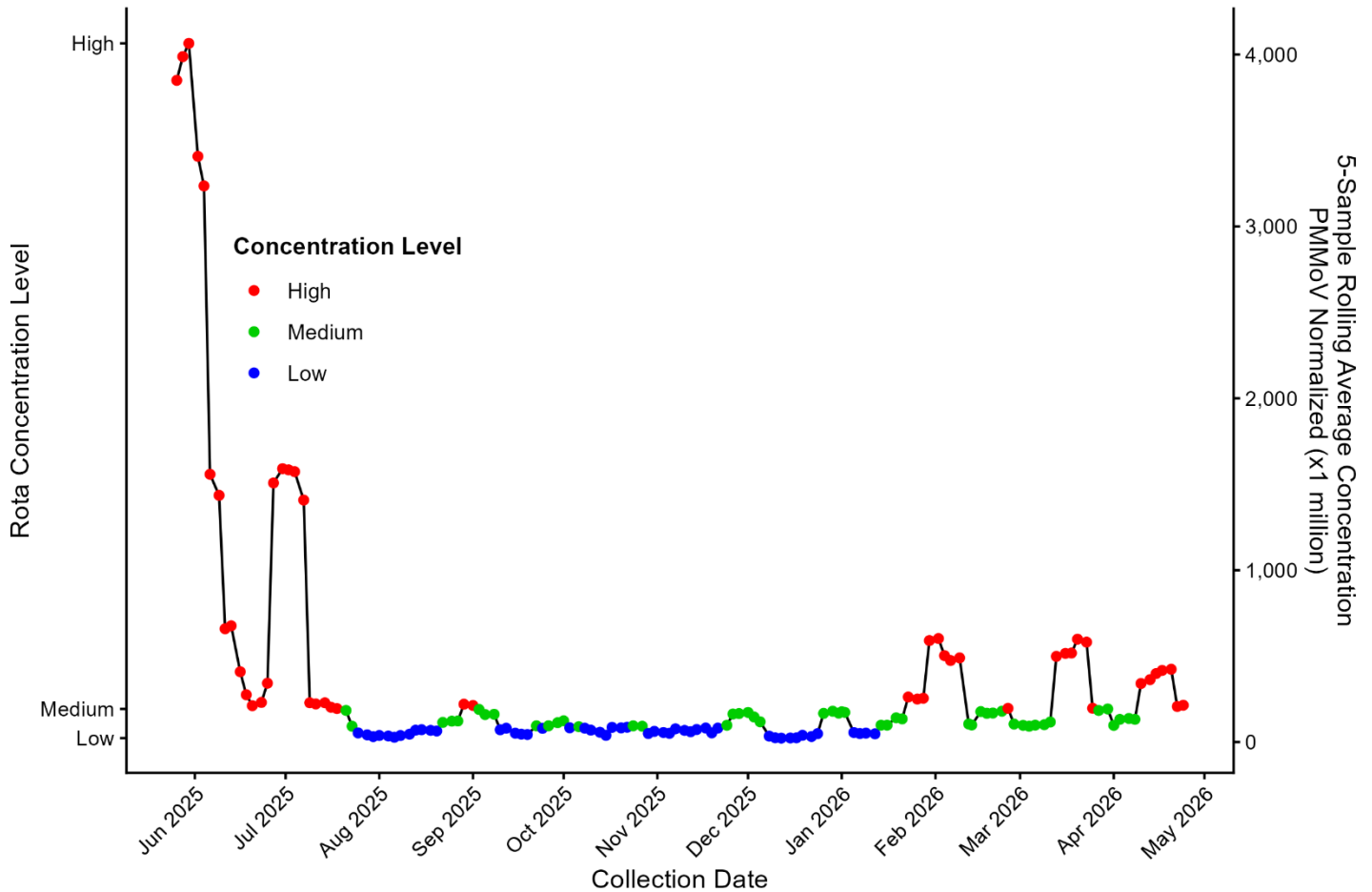
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	36912.98	↑	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	9590.65	↓	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	10510.88	↓	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	15888.4	↓	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	27699.94	↑	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	14920.74	↓	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	15126.67	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	13161.32	↓	April 27, 2026

Rotavirus Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Rotavirus concentrations at the Flamingo Water Resource Center from June 2025 through April 2026 using a 5-sample rolling average. Levels were extremely high in early June 2025 before rapidly declining to medium and then low by mid-July. From August through December 2025, concentration remained consistently low with small intermittent fluctuations. A brief medium-level rise occurred in late fall, followed by mostly low activity entering 2026. In February 2026, levels increased slightly but remained far below the early-summer peak. By mid-March, concentrations had returned to low, indicating minimal recent Rotavirus circulation.

Rotavirus 5-Sample Rolling Average Concentration



Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 2026-04-24

Interpretation of Rotavirus Concentrations

As of April 27, 2026, Rotavirus wastewater concentrations were elevated across Nevada, California, and Utah. Several sites, including Los Angeles, Salt Lake Valley, RP-1, and Indio, showed increasing trends, while others such as Flamingo, Provo, and Riverside reported recent declines. Overall, results indicate widespread but variable regional rotavirus activity.

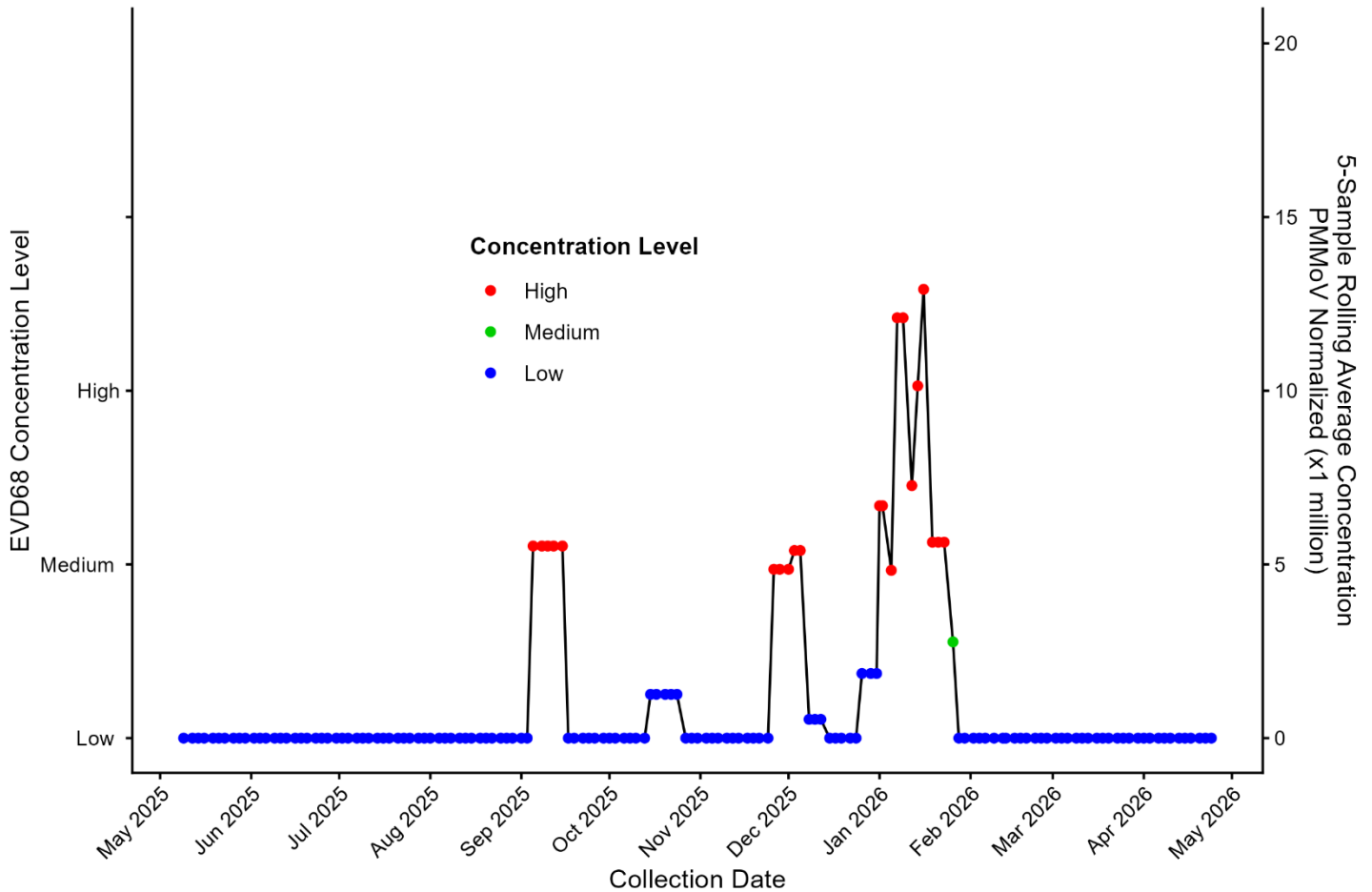
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	214.33	↓	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	330.27	↑	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	247.39	↑	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	737.95	↑	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	175.5	↓	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	279.09	↑	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	100.71	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	73.2	↑	April 27, 2026

Enterovirus D68 Viral Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Enterovirus D68 concentrations at the Flamingo Water Resource Center from April 2025 through April 2026 using a 5-sample rolling average. For most of the monitoring period, EVD68 remained at low or undetectable levels. Brief spikes appeared in late September 2025, reaching medium concentrations, followed by additional small peaks in November and December. A stronger cluster of detections occurred in January and February 2026, with several medium and high readings indicating short bursts of activity. However, levels quickly returned to low by late February and remained undetectable through mid-March, reflecting minimal sustained circulation.

Enterovirus D68 (EVD68) 5-Sample Rolling Average Concentration



Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 2026-04-24

Interpretation of *Enterovirus D68* Concentrations

As of April 27, 2026, *Enterovirus D68* was not detected in wastewater across monitored sites in Nevada, California, and Utah. All tested facilities reported zero rolling mean concentrations with stable trends. These findings indicate no evidence of ongoing community-level EV-D68 circulation in the monitored regions during this period.

Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	➔	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	➔	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	➔	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	➔	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	➔	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	➔	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	➔	April 24, 2026
Valley Sanitary District	Indio, CA	Current	0.00	➔	April 27, 2026

Interpretation of Hepatitis A Concentrations

As of April 27, 2026, Hepatitis A wastewater levels remained low or undetectable across monitored sites in Nevada, California, and Utah. Most facilities reported non-detects or very low concentrations. Slight increases were observed in Riverside and Indio, while Flamingo and Los Angeles sites showed stable or declining trends, indicating limited regional activity overall.

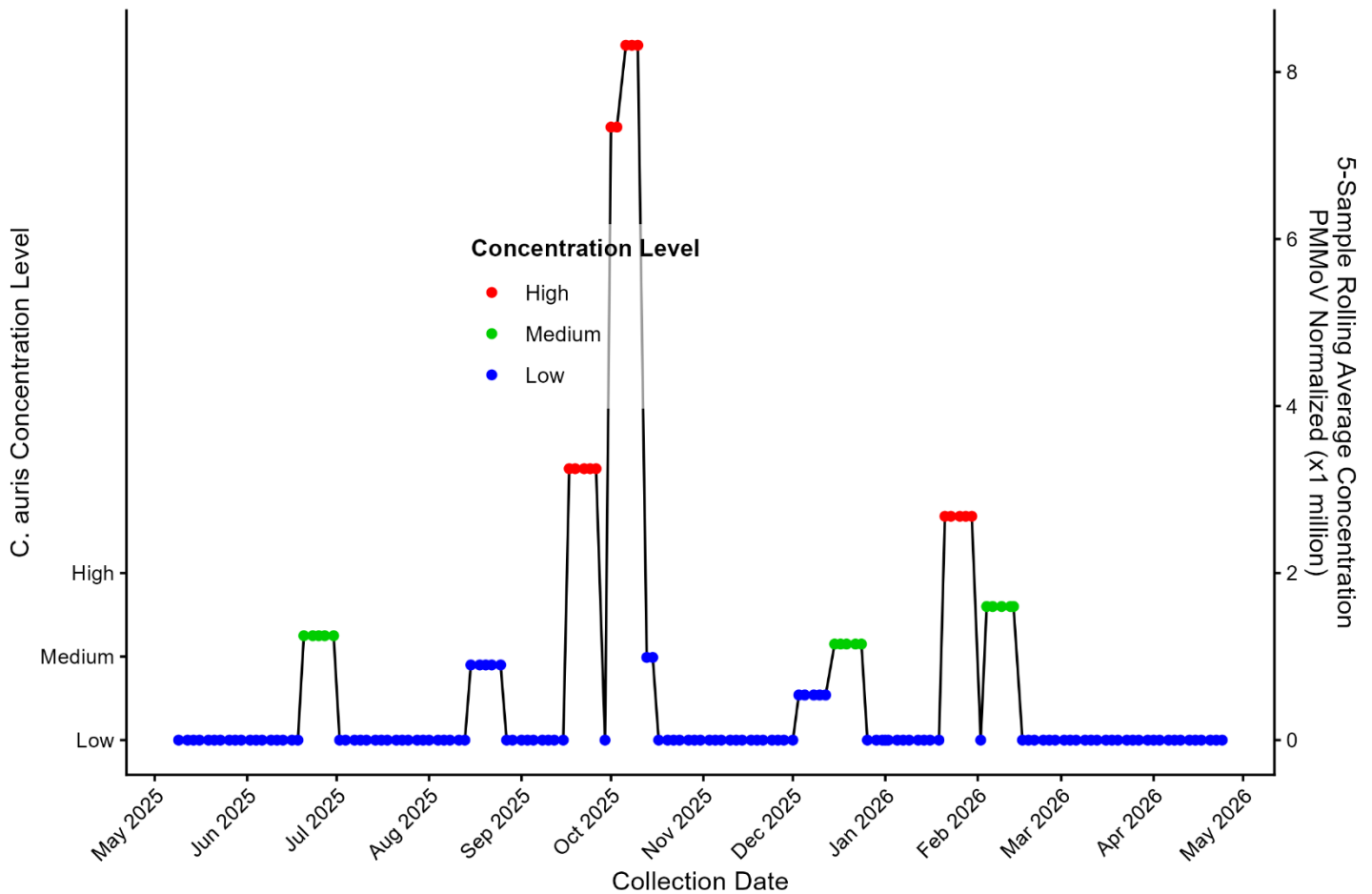
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	8.91		April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	1.06		April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	51.52		April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0		April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	0		April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0		April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	27.51		April 24, 2026
Valley Sanitary District	Indio, CA	Current	9.36		April 27, 2026

Candida Auris Fungal Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows *Candida auris* concentrations at the Flamingo Water Resource Center from April 2025 through April 2026 using a 5-sample rolling average. Levels were mostly low throughout the year, with occasional brief detections. High spikes occurred in early April and again in late October 2025, while medium-level signals appeared intermittently in May, July, September, and early 2026. Most data points remained in the low range, indicating sporadic, isolated detections rather than sustained transmission. By February and March 2026, concentrations were at low or undetectable levels, showing minimal ongoing *C. auris* activity.

Candida auris (C. auris) 5-Sample Rolling Average Concentration



Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 2026-04-24

Interpretation of *Candida Auris* Concentrations

As of April 27, 2026, *Candida auris* was not detected in wastewater at any monitored sites across Nevada, California, or Utah. All tested facilities reported that rolling mean concentrations of zero with stable trends. These findings indicate no evidence of community-level *C. auris* circulation in the monitored regions during this period.

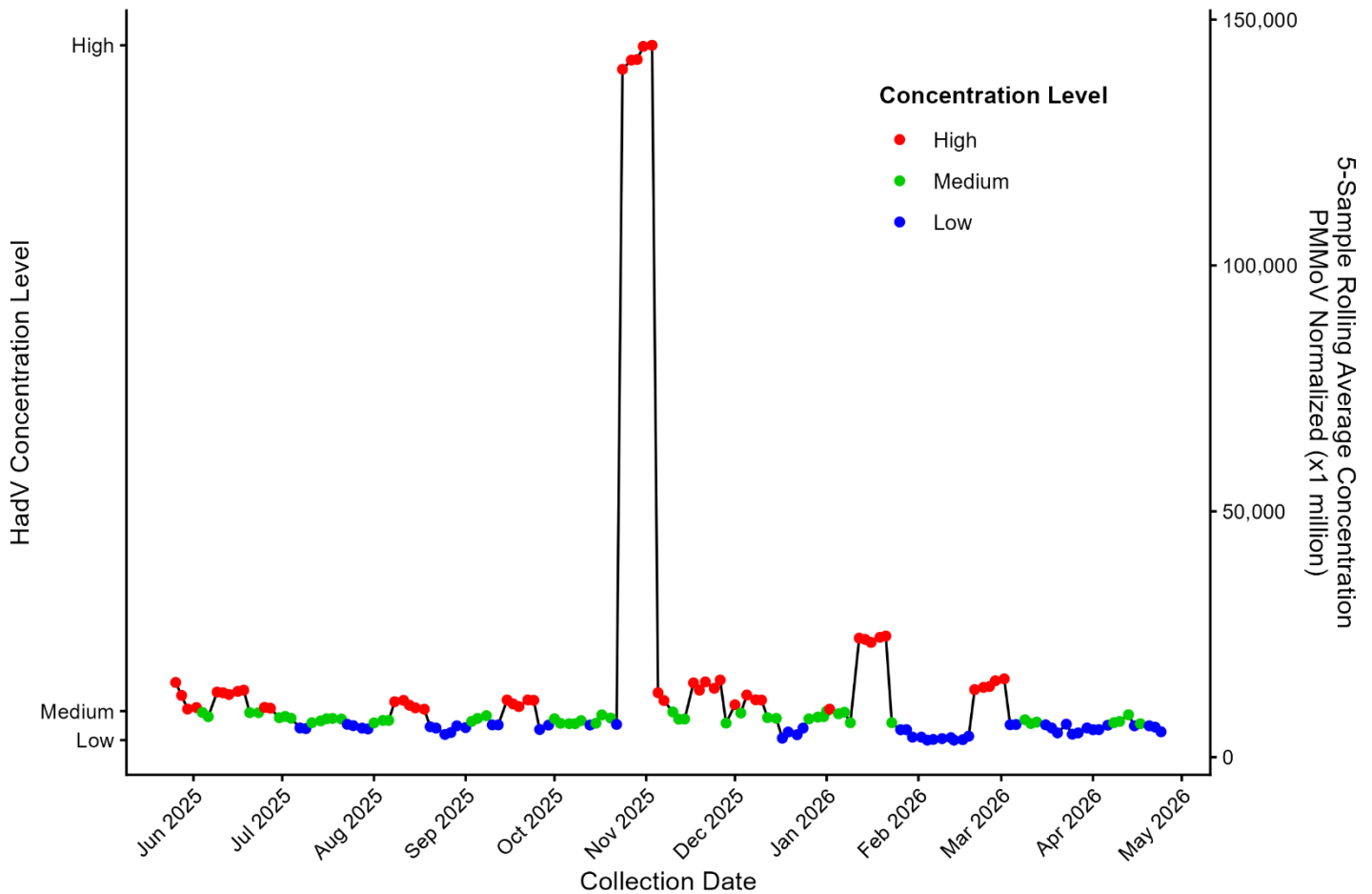
Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	➔	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	➔	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	➔	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	➔	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	➔	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	➔	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	➔	April 24, 2026
Valley Sanitary District	Indio, CA	Current	0.00	➔	April 27, 2026

Adenovirus Group F Concentration Trends in Clark County

Flamingo Water Reclamation District Plant

The chart shows Adenovirus Group F concentrations at the Flamingo Water Resource Center from June 2025 through April 2026 using a 5-sample rolling average. Levels were generally low to medium from June through October 2025, with small fluctuations throughout the summer. A sharp and isolated spike to extremely high concentrations occurred in early November 2025 before quickly returning to lower levels. From December 2025 through early 2026, concentrations fluctuated within low to medium ranges, with occasional short-lived increases in January and February. By March 2026, Adenovirus F levels remained mostly low, indicating variable but generally moderate activity over the monitored period.

Adenovirus Group F (HadV) 5-Sample Rolling Average Concentration



Data Source: WastewaterScan.org
 Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
 Last Sampling Date: 2026-04-24

Interpretation of Adenovirus Group F Concentrations

As of April 27, 2026, Adenovirus F levels were elevated across wastewater sites in Nevada, California, and Utah. High concentrations were observed particularly in Southern California and Utah. Increasing trends were noted at Provo and RP-1, while several sites, including Flamingo, Hyperion, and Riverside, showed recent declines, reflecting mixed short-term regional trends.

Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	5167.34	↓	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	6487.19	→	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	3548.54	↓	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	5425.54	↓	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	10959.98	↑	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	14371.39	↑	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	11066.84	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	5727.9	↓	April 27, 2026

Parvovirus Concentrations Interpretation

As of April 27, 2026, parvovirus wastewater concentrations remained low across monitored sites in Nevada, California, and Utah. Flamingo showed low-level activity with a declining trend. Most California and Utah sites reported very low or non-detect levels, with only minor increases at select facilities, indicating minimal and sporadic regional circulation.

Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	5.91	↓	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	→	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	2.48	→	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	1.7	↑	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	0.96	↓	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.42	↓	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	0	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	0	→	April 08, 2026

Human Metapneumovirus Concentrations Interpretation

As of April 27, 2026, HMPV wastewater signals varied by region. No detection occurred in Las Vegas, and some Nevada sites were not tested. Increasing activity was observed in multiple California facilities, while Utah showed higher but stable or declining levels. Overall, activity appeared localized with no uniform regional pattern.

Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	→	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested		April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested		April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	6.91	↑	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	2.53	↑	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	19.01	↓	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	32.73	→	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	12.07	↑	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	0	↓	April 24, 2026
Valley Sanitary District	Indio, CA	Current	3.5	↓	April 27, 2026

Influenza H5 Viral Detection Comparing to Neighboring States

As of April 27, 2026, wastewater surveillance from ten treatment facilities in California, Nevada, and Utah detected no Influenza H5 activity. All sites reported a five-day rolling average of zero with no change in the 14-day trend, indicating stable conditions and no current evidence of Influenza H5.

Plant Name	City	Time frame	5 Sample Rolling Mean	14 Day Trend	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	0.00	➔	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	0.00	➔	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	0.00	➔	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	0.00	➔	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	0.00	➔	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	0.00	➔	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	0.00	➔	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	0.00	➔	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	0.00	➔	April 24, 2026
Valley Sanitary District	Indio, CA	Current	0.00	➔	April 27, 2026

West Nile Virus Viral Detection Comparing to Neighboring States

As of April 27, 2026, wastewater surveillance across ten facilities in California, Nevada, and Utah detected no West Nile virus. All sites with sampling in the past 60 days reported non-detectable levels, indicating no recent viral activity. Mesquite and Boulder City were not tested during this period.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Not Tested	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Not Tested	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	April 24, 2026
Valley Sanitary District	Indio, CA	Current	Non-detect	April 27, 2026

MPOX Clade 1b Viral Detection Comparing to Neighboring States

As of April 27, 2026, wastewater surveillance from ten facilities across California, Nevada, and Utah detected no Mpx clade 1b. All sites showed no presence of the virus in the previous 90 days, indicating a continued absence of detectable Mpx clade 1b in wastewater throughout the three states.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Non-detect	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	April 24, 2026
Valley Sanitary District	Indio, CA	Current	Non-detect	April 27, 2026

MPOX Clade II Viral Detection Comparing to Neighboring States

As of April 27, 2026, wastewater surveillance across Nevada, California, and Utah showed no detectable Mpx Clade II at nine of ten monitored facilities. All participating sites consistently reported non-detect results, indicating no recent wastewater evidence of Mpx Clade II circulation throughout the region during this surveillance period.

Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Non-detect	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	Non-detect	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	April 24, 2026
Valley Sanitary District	Indio, CA	Current	Non-detect	April 27, 2026

Measles Viral Detection Comparing to Neighboring States

As of April 27, 2026, measles was not detected at most monitored wastewater facilities in Nevada and California. Non-detect results were reported at Flamingo, Mesquite, Boulder City, Hyperion, RP 1, and Riverside. Measles was detected at Provo, Utah, indicating isolated regional activity rather than widespread circulation.

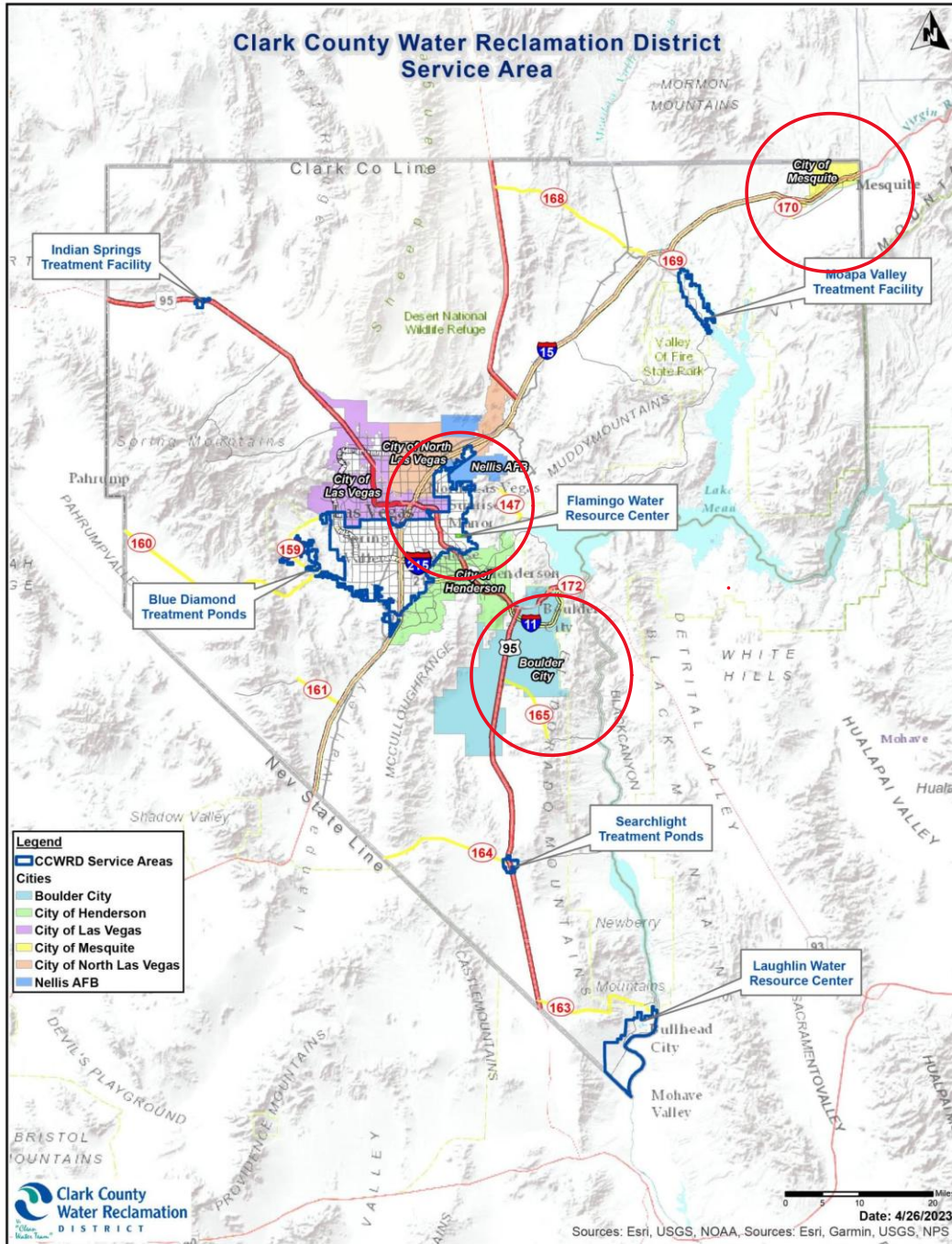
Plant Name	City	Time frame	Detect/ Non-detect	Last Sampling Dates
Flamingo Water Resource Center	Las Vegas, NV	Current	Non-detect	April 24, 2026
Mesquite Wastewater Treatment Plant	City of Mesquite, NV	Current	Non-detect	April 23, 2026
Boulder Wastewater Treatment Plant	Boulder City, NV	Current	Non-detect	April 22, 2026
A.K. Warren Water Resource Facility	Los Angeles County, CA	Current	Non-detect	April 22, 2026
Hyperion Water Reclamation Plant (HWRP)	Los Angeles, CA	Current	Non-detect	April 21, 2026
Central Valley Water Reclamation Facility	Central Salt Lake Valley, UT	Current	Non-detect	April 27, 2026
Provo City Water Reclamation Facility	Provo, UT	Current	Detected	April 22, 2026
Regional Water Recycling Plant No.1 (RP-1)	Ontario, CA	Current	Non-detect	April 27, 2026
Riverside Water Quality Control Plant	Riverside, CA	Current	Non-detect	April 24, 2026
Valley Sanitary District	Indio, CA	Current	Non-detect	April 27, 2026

References

- 1) Verily Laboratories. *Public health: wastewater-based epidemiology (WBE)*. <https://verily.com/solutions/sightline/wastewater>. Published 2025. Accessed January 1, 2024.
- 2) WastewaterSCAN. WastewaterSCAN: wastewater surveillance for community-level disease monitoring. <https://www.wastewaterscan.org>. Accessed July 3, 2025.
3. Boehm, A. B., Wolfe, M. K., Bidwell, A. L., Zulli, A., Vikram-Chan-Herur, V., White, B. J., Shelden, B., & Duong, D. (2024). *Human pathogen nucleic acids in wastewater solids from 191 wastewater treatment plants in the United States*. *Scientific Data*, 11, 1141.

Appendix

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



Source: Clark County Water Reclamation District