# THE SOUTHERN NEVADA HEALTH DISTRICT'S WEEKLY WASTEWATER SURVEILLANCE REPORT

December 11, 2025

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Contents

## 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 December 11, 2025, 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 December 11, 2025)**
Wastewater monitoring across Nevada, California, and Utah shows mixed pathogen activity with localized increases. SARS-CoV-2 levels are generally low to moderate, with slight rises at Flamingo (59.68 GC/L) and Mesquite (48.37 GC/L), while Boulder City shows a decline (146.95 GC/L). Sequencing indicates lineage XFG remains dominant in Nevada.

Influenza A is rising in Nevada (Flamingo 21.13 GC/L, Mesquite 7.17 GC/L) and Utah (Central Valley 30.60 GC/L, Provo 50.84 GC/L), while California trends downward. Influenza B is mostly absent, except for minor increases in Utah. RSV activity has increased in Nevada, reaching high levels at Mesquite (15.01 GC/L) and Boulder (11.27 GC/L), while Flamingo remains at medium levels (15.00 GC/L).

Gastrointestinal viruses show notable activity: Norovirus is surging, peaking at Provo (22,455 GC/L) and Central Valley (13,897.26 GC/L), though declining at Flamingo. Rotavirus is elevated at Flamingo (145.78 GC/L) and Provo (153.03 GC/L). Enterovirus D68 is rising at most California and Utah sites. Adenovirus Group F remains persistently high, especially at RP-1 Ontario (20,974 GC/L), Hyperion, Riverside, Central Valley, and Provo. Hepatitis A is notable at Riverside (277.59 GC/L) but low elsewhere. Parvovirus and Human Metapneumovirus show minor increases in Utah and select California sites. Candida auris remains negligible.

No detections were recorded for Mpox Clade II, Mpox Clade 1b, West Nile virus, or Influenza H5, all consistently at non-detect levels. Measles was detected only in Provo on Dec 10.

**Summary**: High-concern pathogens remain largely absent, except for a measles detection in Provo. However, rising trends in Norovirus, Rotavirus, Enterovirus D68, Adenovirus F, and RSV particularly in Utah and California.

**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 measurements.

**Summary of Select Pathogen Concentrations in three wastewater treatment facilities in Neveda**

- Latest data point for Flamingo Water reclamation district plant December 10, 2025
- Latest data point for City of Mesquite Wastewater Treatment Plant is December 11, 2025
- Latest data point for Boulder City Wastewater Treatment Plant December 10, 2025

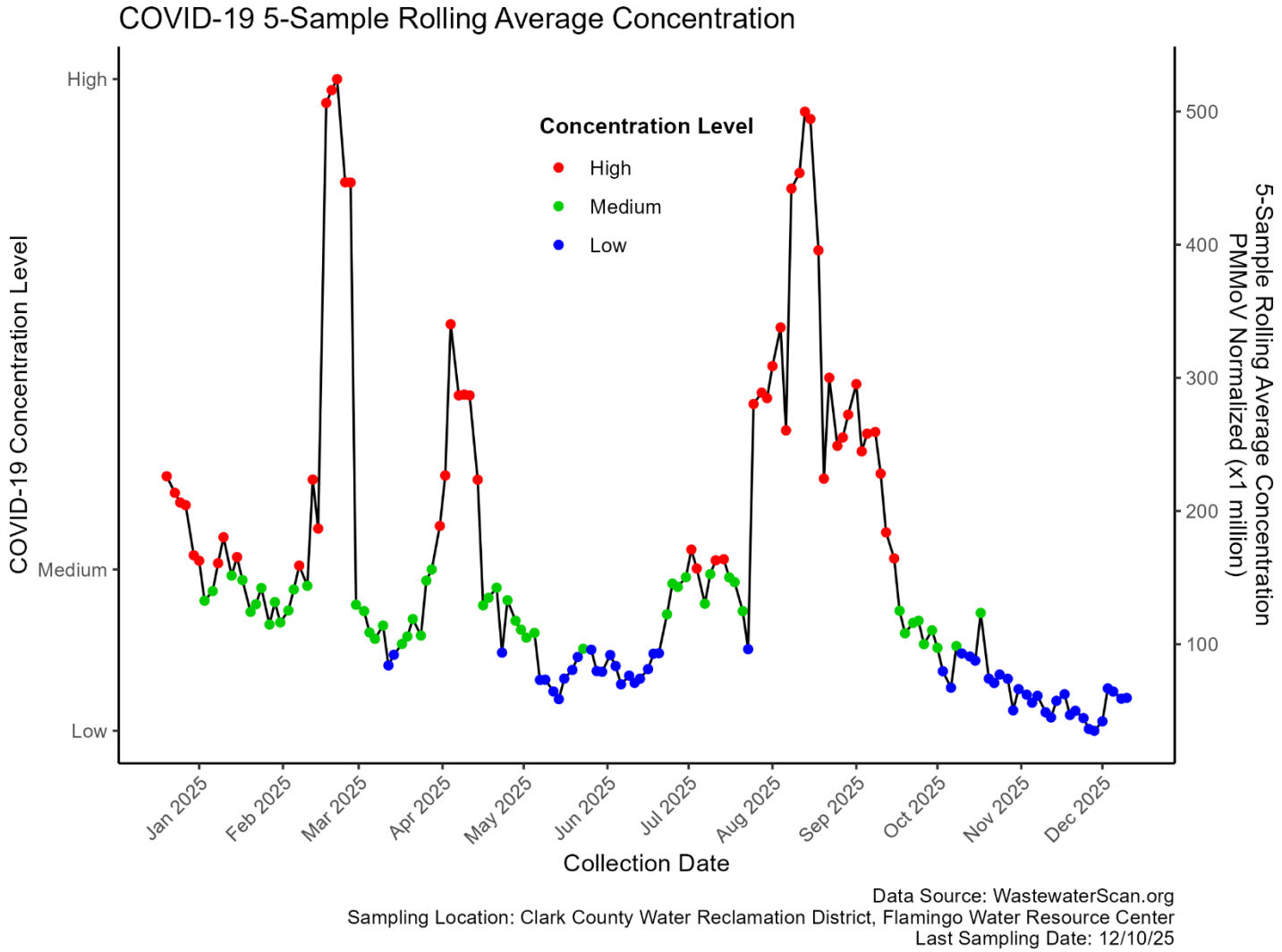
| Pathogen | Concentration Level / Presence- Flamingo | Concentration Level / Presence- Boulder | Concentration Level / Presence - Mesquite |
|---|---|---|---|
| SARS-CoV-2 | Low | Low | Low |
| Influenza A | Medium | Low | High |
| Influenza B | Low | Low | Low |
| Respiratory Syncytial virus (RSV) | Medium | High | High |
| Norovirus | Low | Not Tested | Not Tested |
| Rotavirus | Low | Not Tested | Not Tested |
| *Enterovirus D68* | Low | Not Tested | Not Tested |
| Hepatitis A | Low | Not Tested | Not Tested |
| *Candida Auris* | Low | Not Tested | Not Tested |
| Adenovirus Group F | High | Not Tested | Not Tested |
| Parvovirus | High | Not Tested | Not Tested |
| Metapneumovirus | Medium | 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**

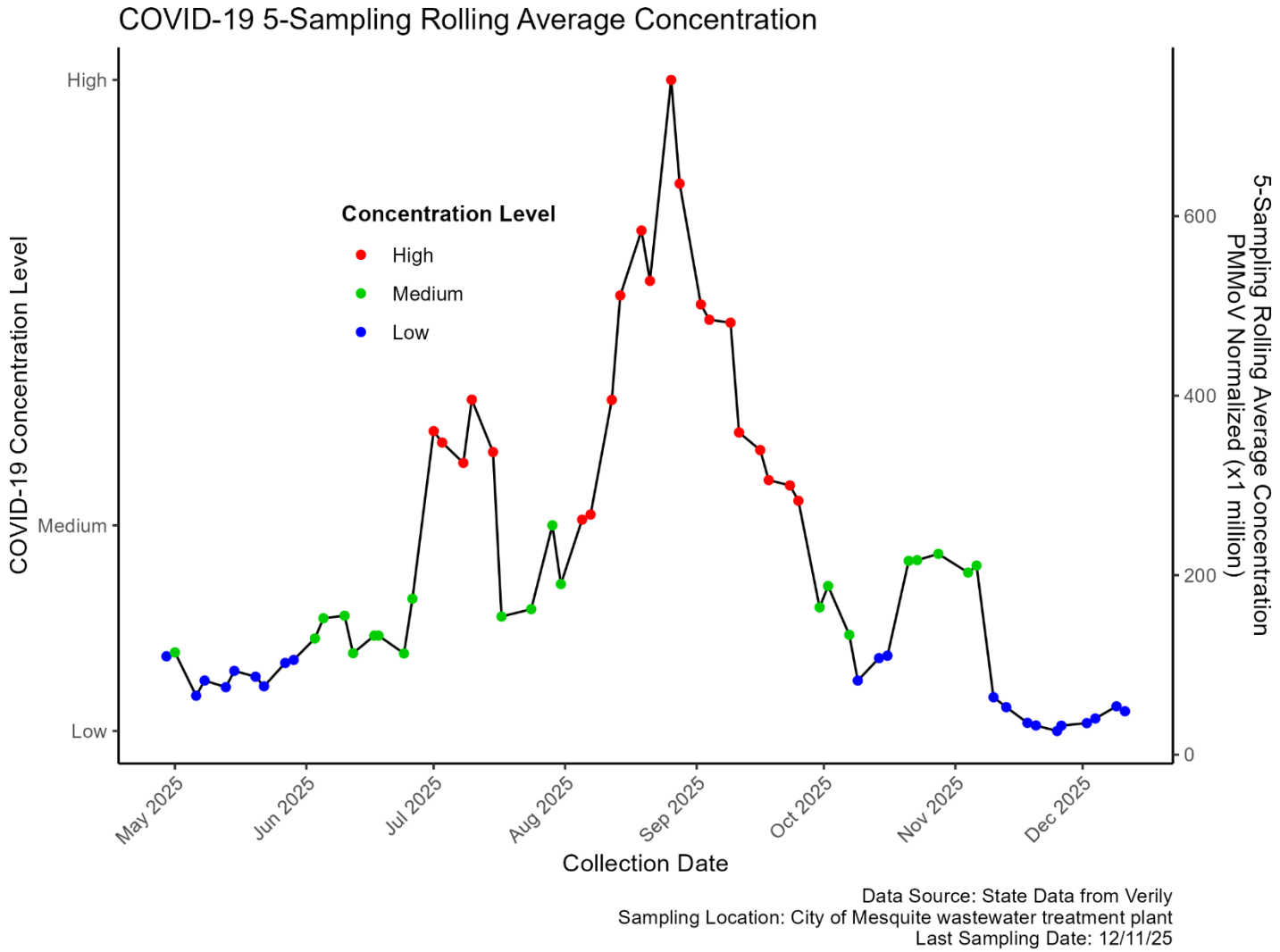
**Flamingo Water Reclamation District Plant**

The chart shows COVID-19 concentrations at the Flamingo Water Resource Center from January to December 2025 using a 5-sample rolling average. Levels fluctuated significantly throughout the year, with three major peaks: a sharp surge in March, another in late April, and the highest spike in September, all reaching high concentration levels. Between these peaks, concentrations dropped to medium or low, particularly from May through July and again from October onward. By December, levels were consistently low, indicating reduced viral activity.



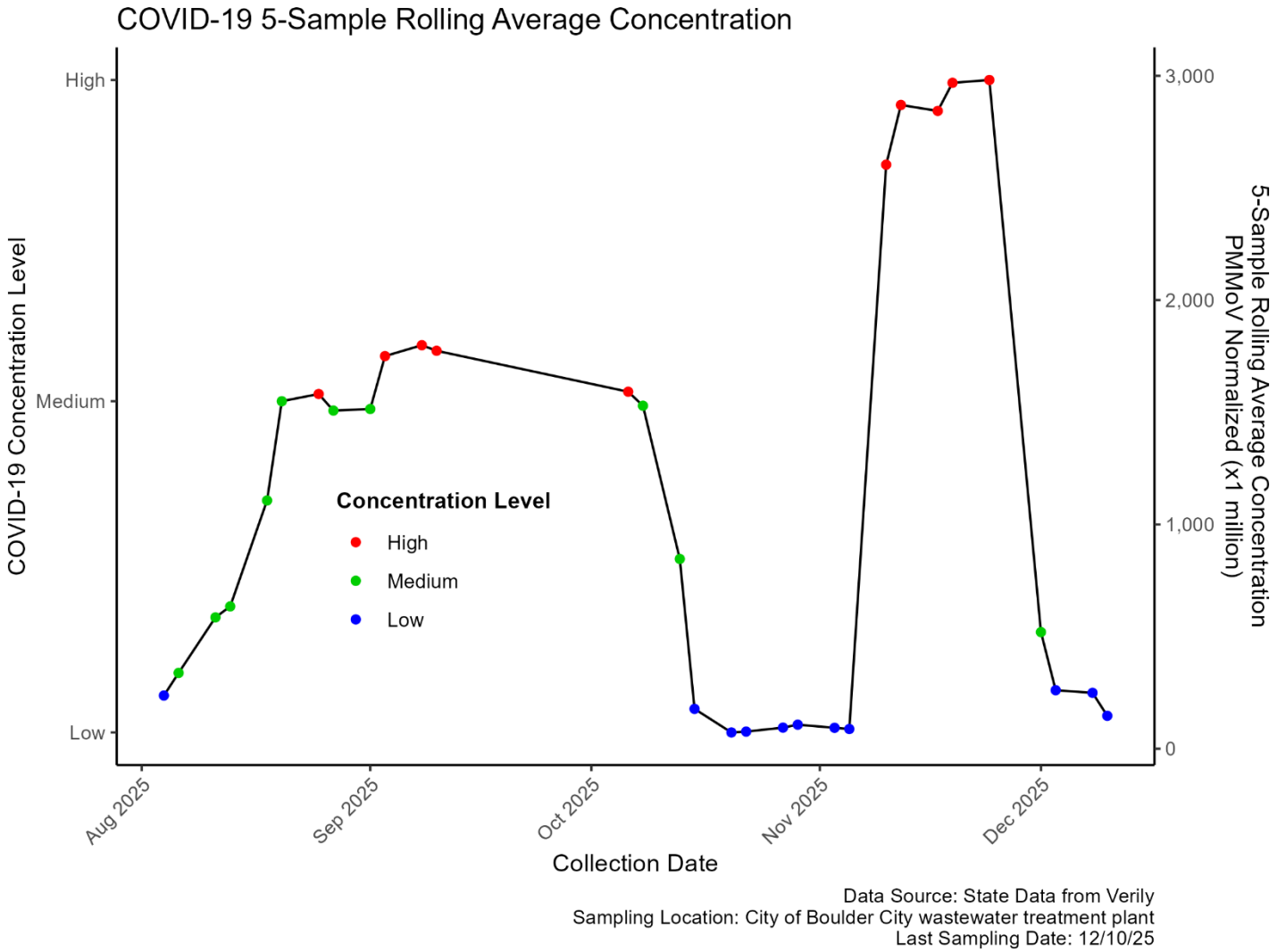
**City of Mesquite Wastewater Treatment Plant**

The chart shows COVID-19 concentrations at the Mesquite wastewater treatment plant from May to December 2025 using a 5-sample rolling average normalized to PMMoV. Levels were low in May and June, then rose to medium in July, followed by a sharp surge to high concentrations in August and early September, peaking above 600 million normalized units. After mid-September, concentrations declined steadily, dropping to medium in October and briefly rising again in November before returning to low levels in December. The last sample, collected on December 11, 2025, indicates minimal recent transmission, reflecting a strong late-summer peak and subsequent decline.



**Boulder City Wastewater Treatment Plant**

The chart shows COVID-19 concentrations at the Boulder City wastewater treatment plant from August to December 10, 2025. Levels began low in early August, climbed to medium and then high by early September, and stayed elevated through mid-September before declining sharply in October. Concentrations remained low through early November, followed by a major spike in mid-November that reached the peak value. After this surge, levels dropped again by early December, though the December 10 sample still indicated notable viral activity.



**SARS-CoV-2 Concentrations Interpretation**

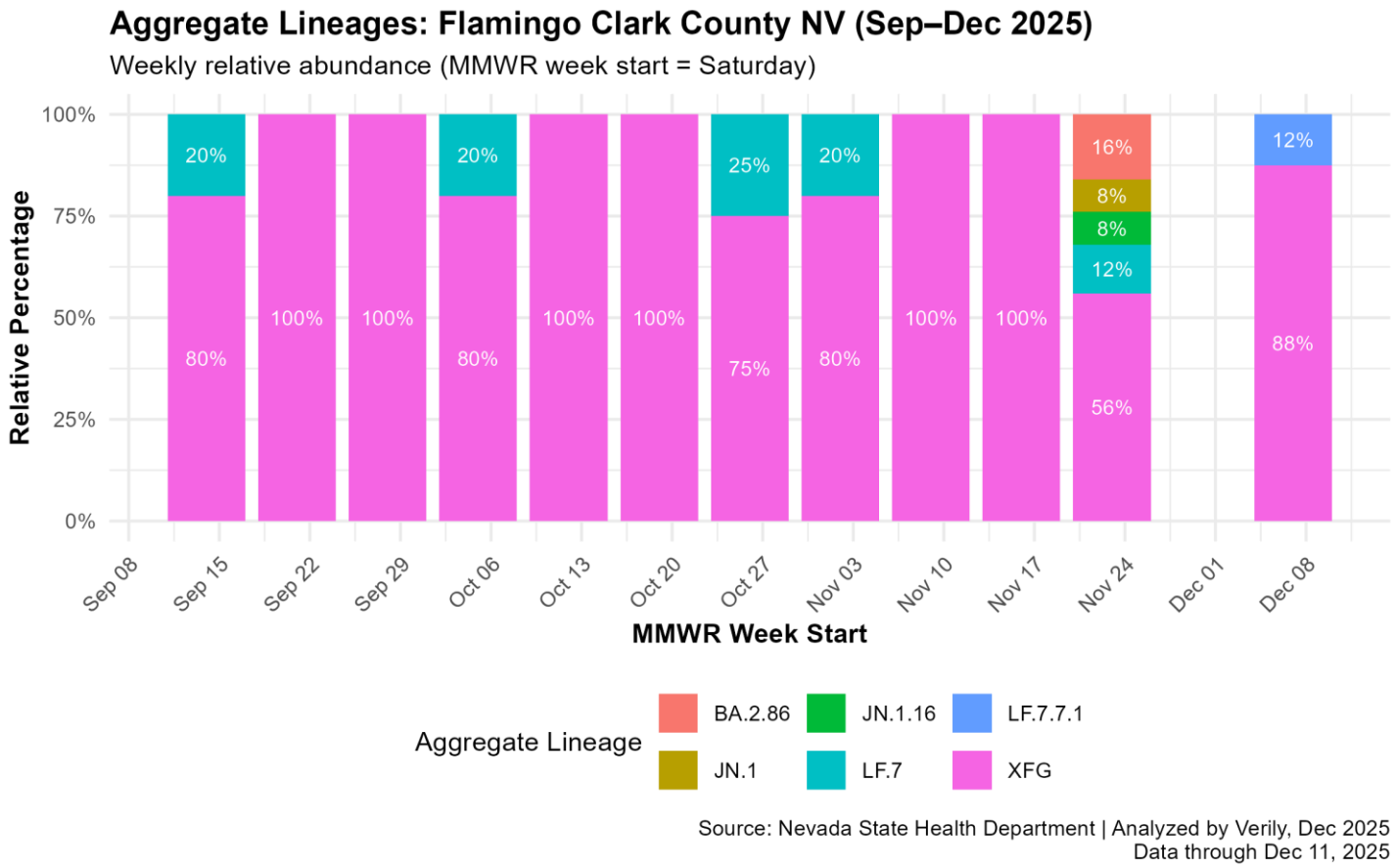
As of December 11, 2025, SARS-CoV-2 levels in wastewater across Nevada, California, and Utah remain low to moderate with mixed trends. Nevada sites reported Flamingo at 59.68 GC/L (↑), Mesquite at 48.37 GC/L (↑), and Boulder City at 146.95 GC/L (↓). California facilities recorded A.K. Warren 10.65 GC/L (↑), Hyperion 9.72 GC/L (↑), RP-1 Ontario 13.09 GC/L (↓), Riverside 8.40 GC/L (↑), and Valley Sanitary District 4.06 GC/L (↓). Utah sites showed Central Valley 48.10 GC/L (↑) and Provo 68.97 GC/L (↓), indicating mostly stable to declining regional activity with localized increases.

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 59.68 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | 48.37 | ↑ | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | 146.95 | ↓ | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 10.65 | ↑ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 9.72 | ↑ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 48.10 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 68.97 | ↓ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 13.09 | ↓ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 8.40 | ↑ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 4.06 | ↓ | December 11 2025 |

## SARS-CoV-2 Variants Circulating

**Flamingo Water Reclamation District Plant**

The chart shows weekly changes in viral composition from September to early December 2025 at the Flamingo Water Reclamation District, SARS-CoV-2 lineage XFG dominated weekly wastewater sequencing, typically comprising 80–100% of detections. LF.7 appeared intermittently at 20–25% in mid-September and late October. On the week starting November 24, lineage diversity increased: XFG fell to 56% while BA.2.86 reached 16%, LF.7 12%, and JN.1 and JN.1.16 each 8%. Overall, lineage diversity was limited, with XFG prevailing most weeks and brief, late-November introductions of minor lineages at the site overall.

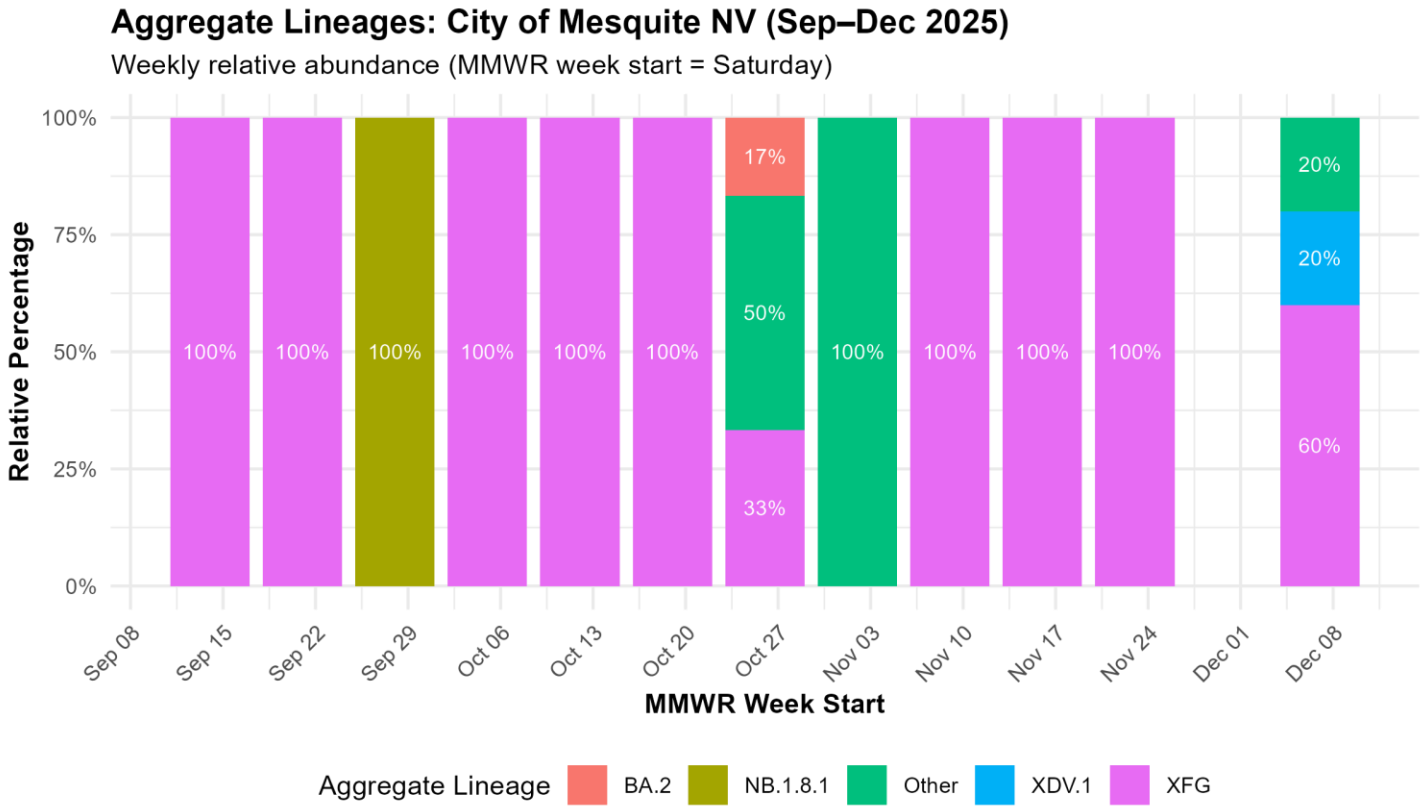



Source: Nevada State Health Department | Analyzed by Verily, Dec 2025
Data through Dec 11, 2025

**Note: Data for the week of December 1, is missing and not represented in the dataset.**

**Mesquite Wastewater Treatment Plant**

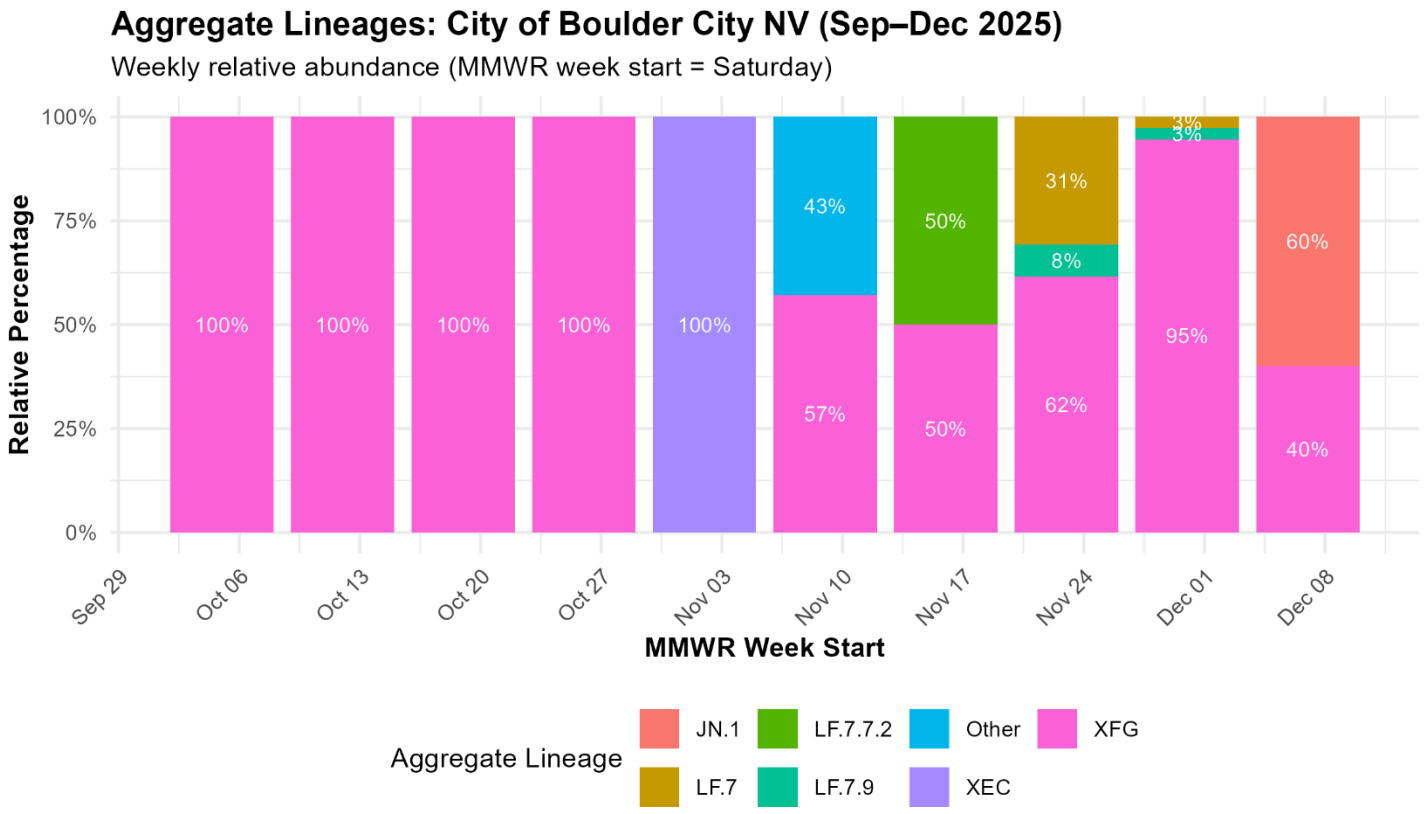
The chart depicts SARS-CoV-2 lineage composition in Mesquite wastewater from September to December 2025. Lineage XFG was predominant throughout most of this period, maintaining 100% prevalence during several weeks. NB.1.8.1 briefly reached 100% on September 29. On October 27, lineage diversity increased: XFG dropped to 33%, others (lineages present at <5%) collectively accounted for 50%, and BA.2 appeared at 17%. From November 3 through November 24, XFG returned to full dominance at 100%. By December 8, XFG accounted for 60%, XDV for 20%, and others lineages made up the remaining 20%. Overall, lineage variation was minimal, with only brief shifts in late October before XFG reasserted predominance.




**Note: Data for the week of December 1, is missing and not represented in the dataset.**

**Boulder City Wastewater Treatment Plant**

The chart illustrates SARS-CoV-2 lineage groups detected in Boulder City wastewater from October 6 to December 8, 2025, SARS-CoV-2 lineage XFG dominated Boulder wastewater early in the period, with 100% prevalence from October 5–26. XEC briefly reached 100% on November 2. The following weeks showed increased diversity: on November 9, XFG dropped to 57% with 43% classified as Others (lineages present at <5%); November 16 saw XFG at 50% and LF.7.7.2 at 50%. Subsequent weeks showed minor contributions from LF.7, LF.7.9, and JN.1, with XFG returning to 40% by December 7 while JN.1 rose to 60%. Overall variation was limited and transient.

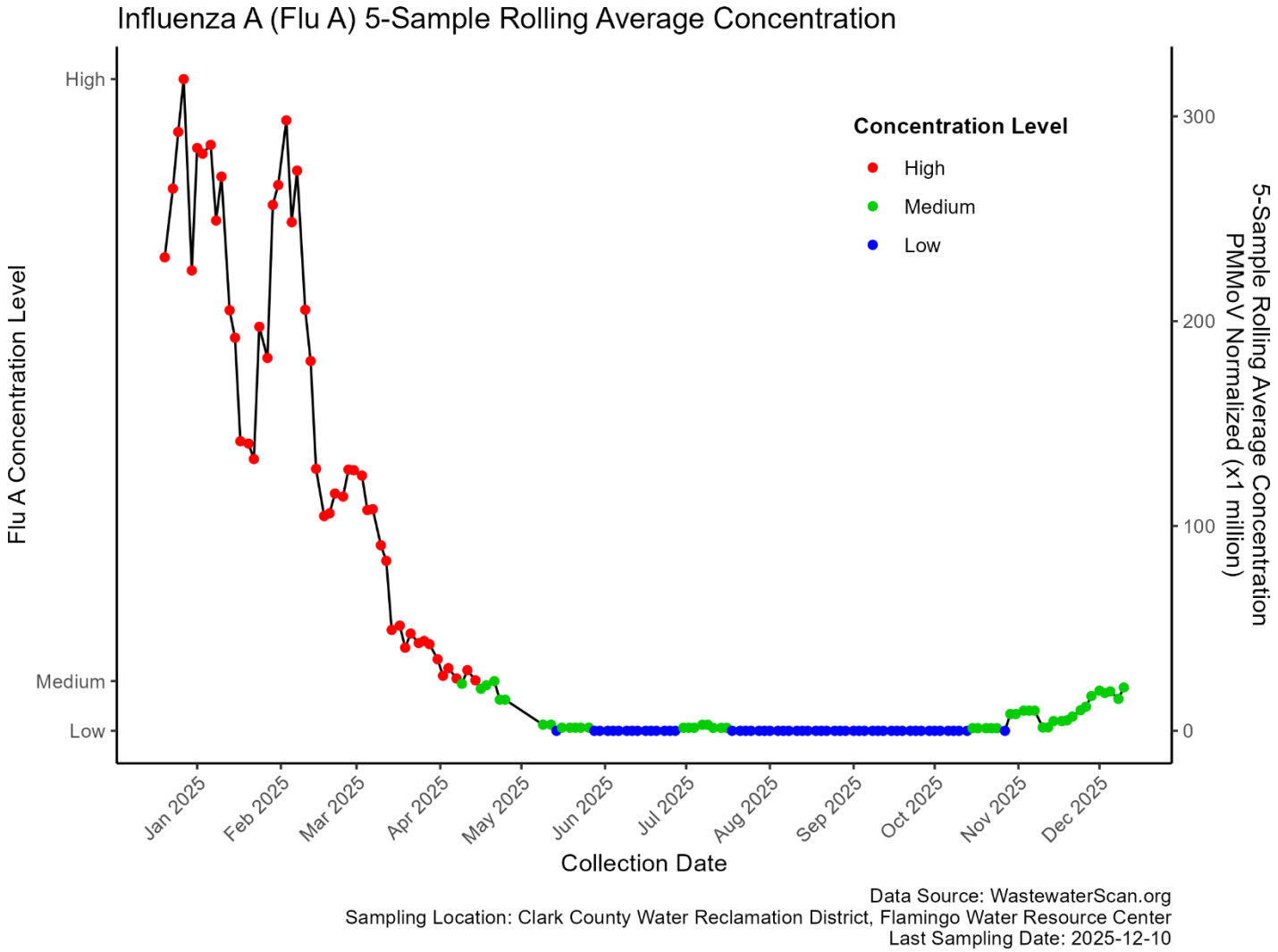



Source: Nevada State Health Department | Analyzed by Verily, Dec 2025
Data through Dec 11, 2025

## Influenza A Viral Concentration Trends in Clark County

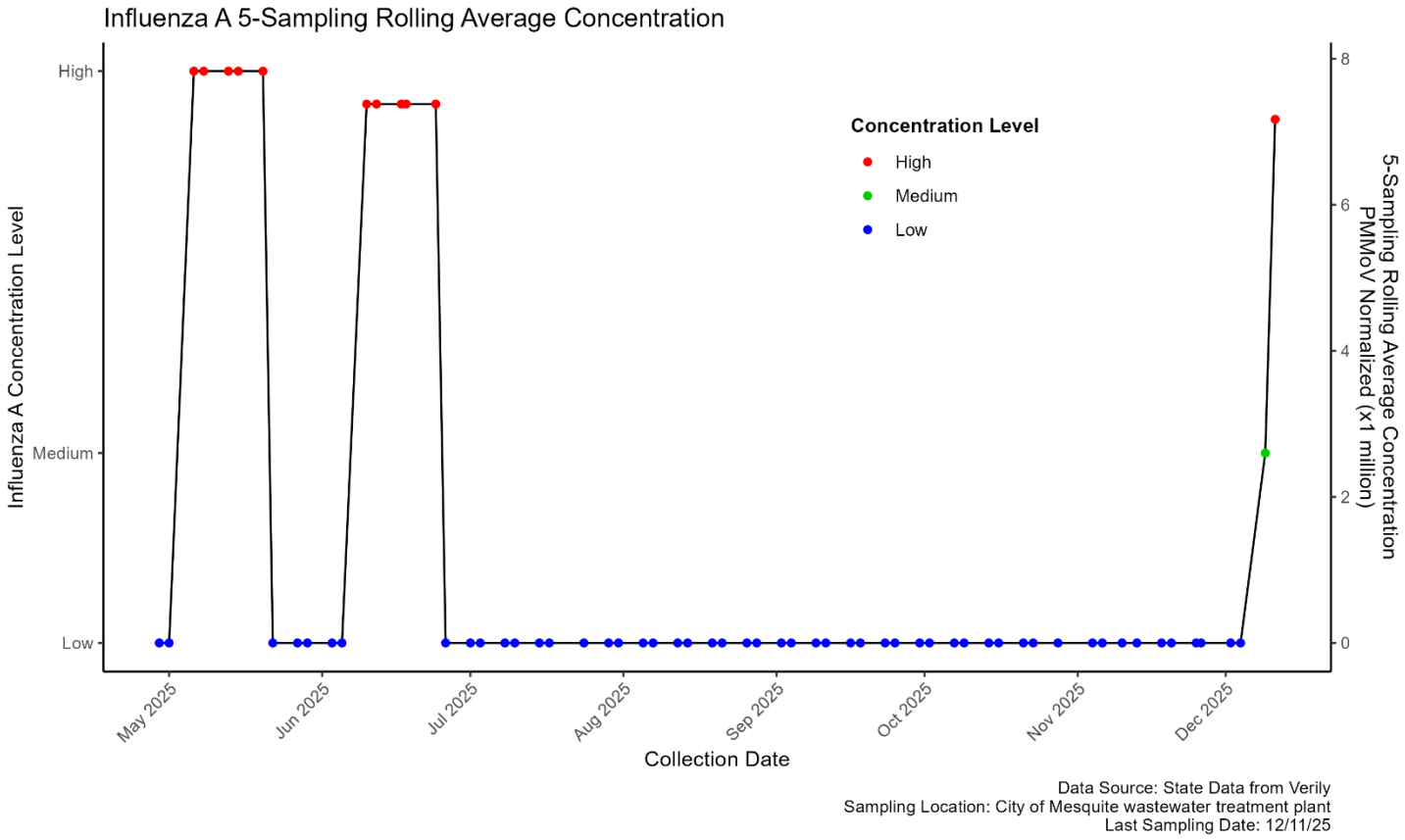
**Flamingo Water Reclamation District Plant**

The chart shows Influenza A (Flu A) concentrations in wastewater at the Flamingo Water Reclamation District, Clark County, from January to December 10, 2025, using 5-sample rolling averages. Levels were high from December through March, with multiple peaks exceeding 300 normalized units. Concentrations declined in April to medium levels and dropped to low by May. From June through October, Flu A remained consistently low with minimal variation. In November, levels increased slightly, reaching medium concentrations.



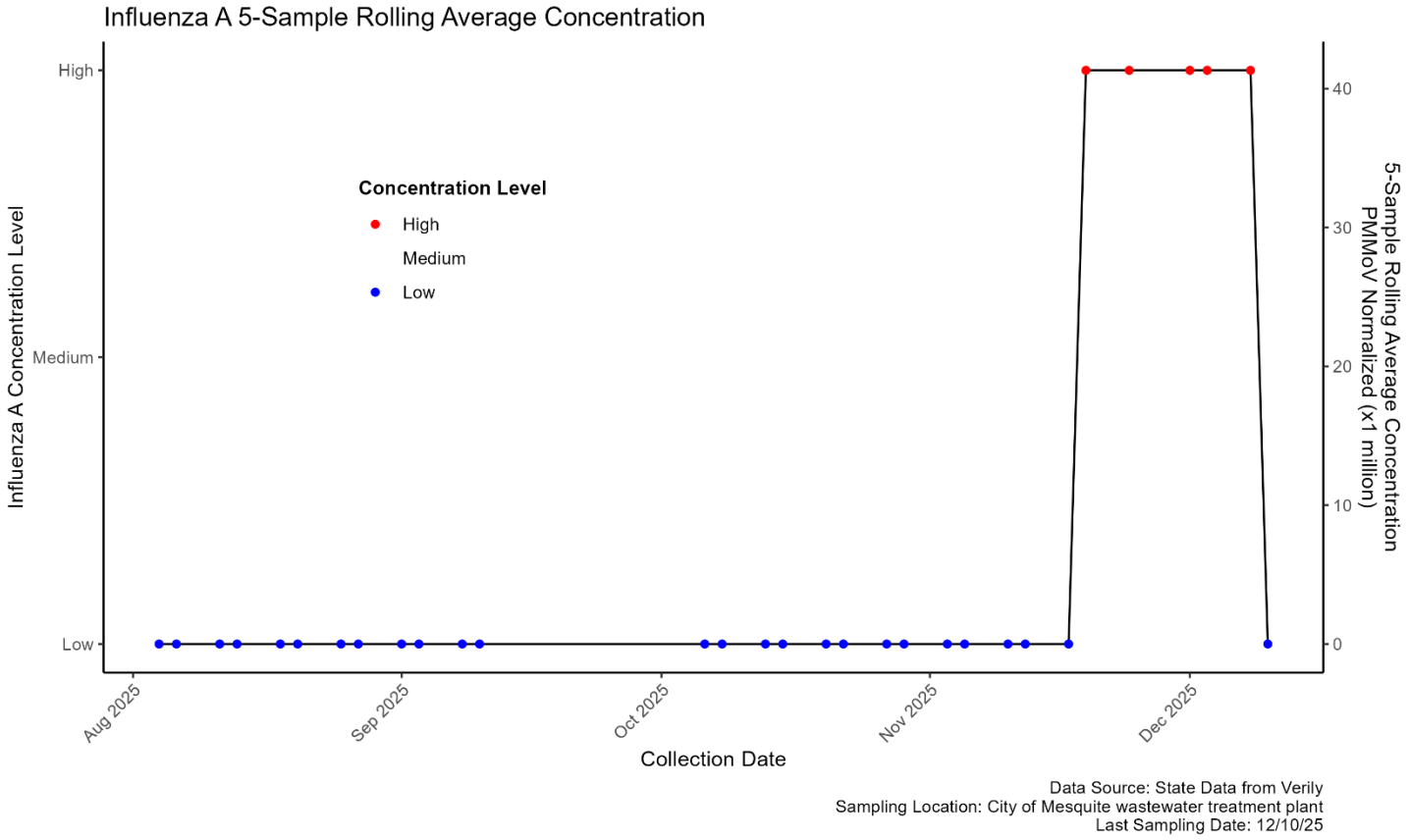
**City of Mesquite Wastewater Treatment Plant**

The chart shows Influenza A concentrations at the Mesquite wastewater treatment plant from May to December 2025 using a 5-sample rolling average normalized to PMMoV. Levels were low in early May, then surged to high in late May and June, followed by a return to low levels in July. After July, concentrations remained consistently low through November, indicating minimal activity. In December, levels rose slightly to medium before spiking to high in the latest sample collected on December 11, 2025



**Boulder City Wastewater Treatment Plant**

The chart shows Influenza A concentrations in wastewater at the Boulder city treatment plant from August through December 10, 2025, based on 5-sample rolling averages. Levels stayed consistently low from August to mid-November with little variation. In late November, concentrations spiked sharply to high levels, reaching about 40 normalized units. By mid-December, levels dropped back to low, indicating a sudden and brief surge after months of minimal activity. The latest sample was collected on December 10, 2025.



**Interpretation of Influenza A Concentrations**

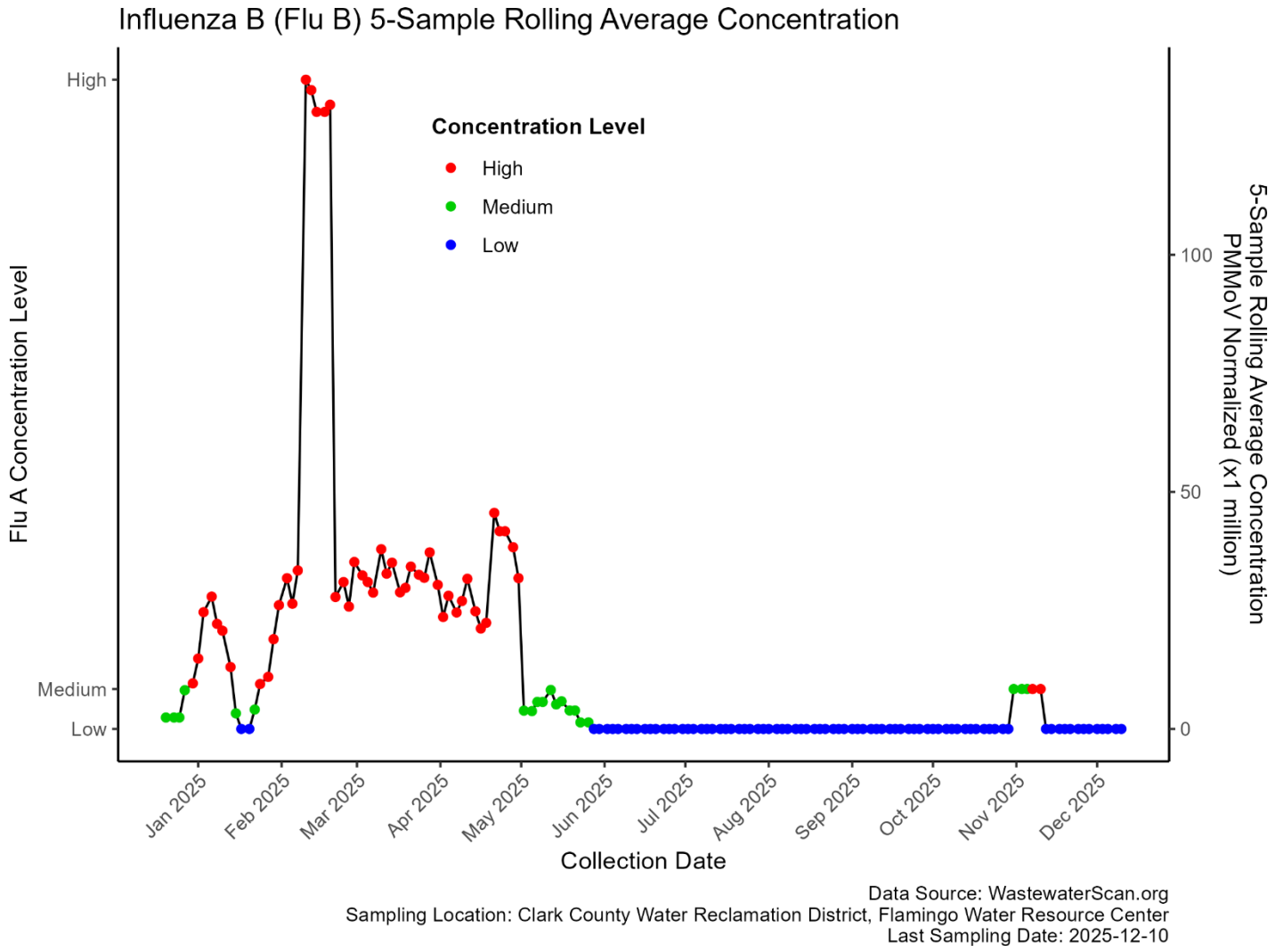
As of December 11, 2025, Influenza A levels in wastewater remain mostly low to moderate, with localized increases. Nevada shows upward trends at Flamingo (21.13 GC/L) and Mesquite (7.17 GC/L), while Boulder City is stable. California sites mostly decline, except Valley Sanitary District (1.27 GC/L ↑). Utah reports notable rises at Central Valley (30.60 GC/L) and Provo (50.84 GC/L).

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 21.13 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | 7.17 | ↑ | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | 0.00 | → | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 0.96 | ↓ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 13.99 | ↓ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 30.60 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 50.84 | ↑ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 1.94 | ↓ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0.00 | ↓ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 1.27 | ↑ | December 11 2025 |

## Influenza B Viral Concentration Trends in Clark County

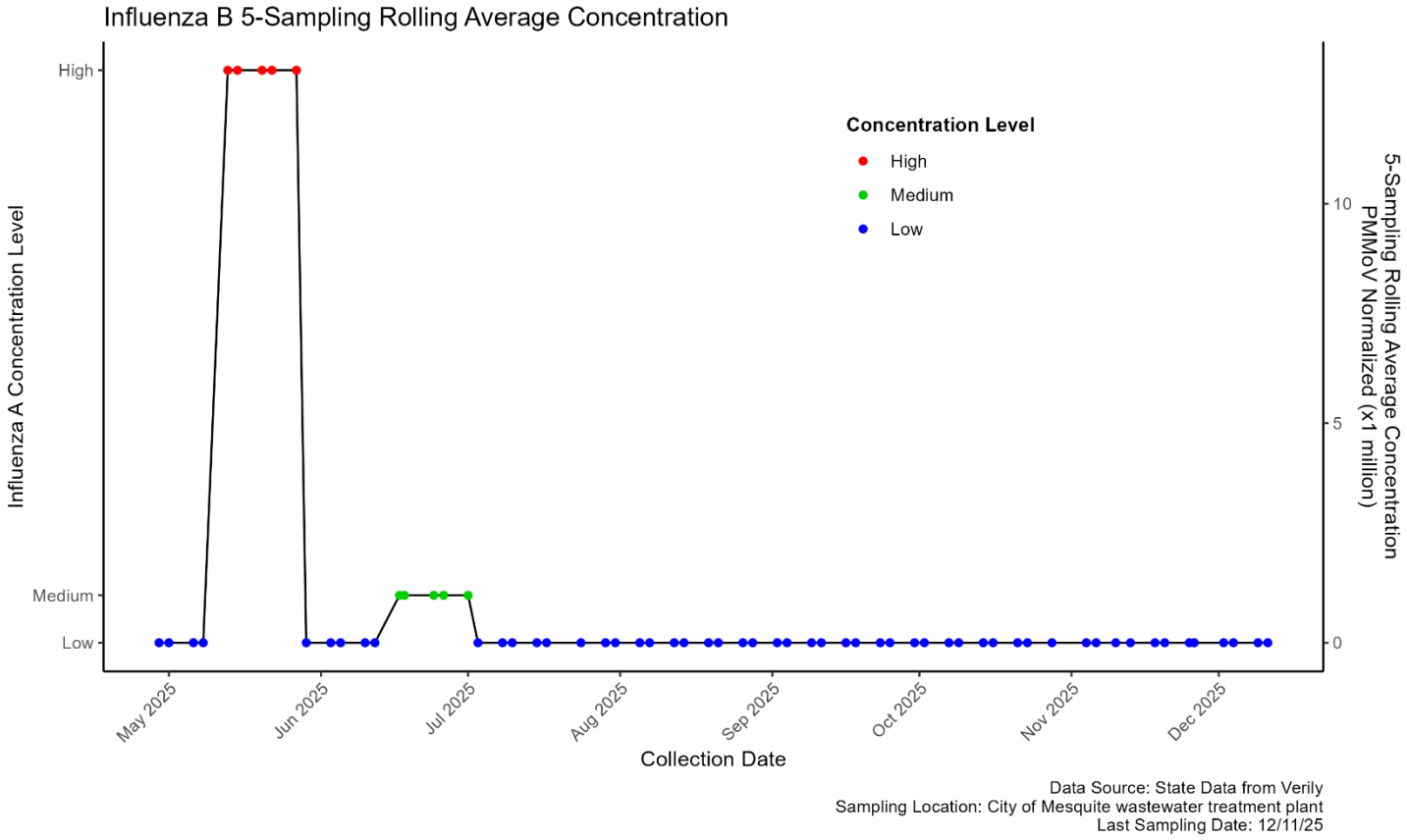
### Flamingo Water Reclamation District Plant

The chart shows Influenza B concentrations in wastewater at the Flamingo Water Reclamation District from January to December 2025 using a 5-sample rolling average. Levels were high in February and March, peaking sharply before declining to medium in April and May. After May, concentrations dropped to low and remained consistently minimal through summer and fall, with only a slight uptick to medium in late November. Overall, the data indicates a strong early-year surge followed by prolonged low activity, suggesting limited recent transmission. The last sample was collected on December 10, 2025, confirming continued low levels at the end of the year.



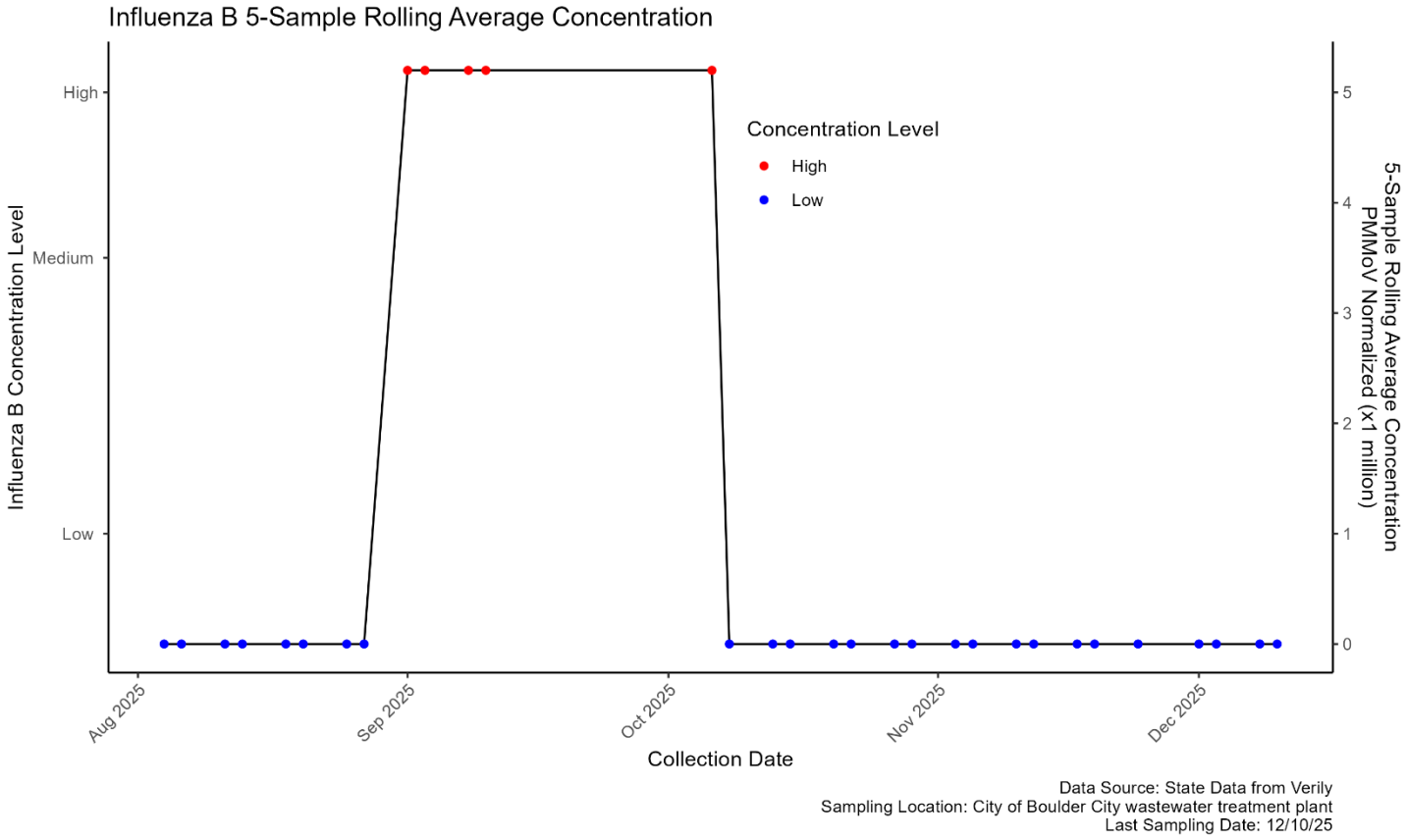
**City of Mesquite Wastewater Treatment Plant**

The chart shows Influenza B concentrations in wastewater at the City of Mesquite treatment plant from May to December 11, 2025, using 5-sample rolling averages. Levels were low in early May, spiked to high at the end of May, then dropped to low by mid-June. A smaller high-level increase occurred in mid-June and July before returning to low. From July through November, levels remained consistently low. Overall, the data indicates two brief summer surges and prolonged low activity.



**Boulder City Wastewater Treatment Plant**

The chart shows Influenza B concentrations at Boulder City wastewater treatment plant from August to December 2025. Levels were consistently low from August through late August, then surged to high in early September and remained elevated until early October. Afterward, concentrations dropped back to low and stayed stable through November and December. The last sample was collected on December 10, 2025, indicating minimal recent Influenza B activity.



**Interpretation of Influenza B Concentrations**

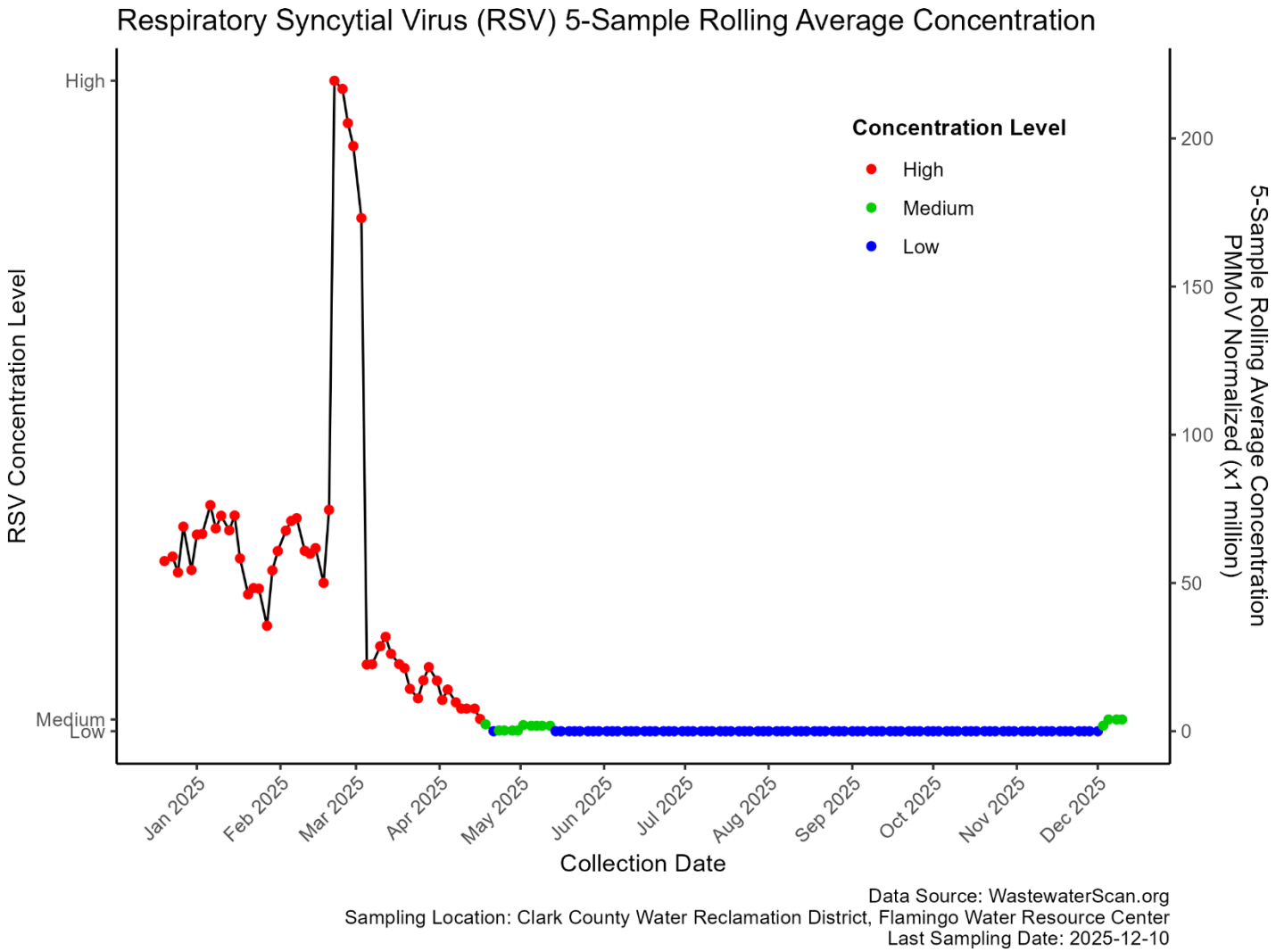
As of December 11, 2025, Influenza B remains nearly undetectable across most monitored wastewater facilities in Nevada and California, including Flamingo, Mesquite, Boulder City, A.K. Warren, Hyperion, RP-1 Ontario, Riverside, and Valley Sanitary District—all reporting 0.00 GC/L (→). In contrast, Utah sites show slight increases, with Central Valley at 7.89 GC/L (↑) and Provo at 24.10 GC/L (↑), indicating minor upward movement. Overall, regional Influenza B activity is minimal, with only Utah showing detectable levels.

| 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 | → | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | 0.00 | → | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | 0.00 | → | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 0.00 | → | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 0.00 | → | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 7.89 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 24.10 | ↑ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 0.00 | → | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0.00 | → | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 0.00 | → | December 11 2025 |

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

**Flamingo Water Reclamation District Plant**

The chart shows RSV concentrations in wastewater at the Flamingo Water Resource Center from January to December 2025 using a 5-sample rolling average. Levels were high in December through March, peaking sharply in March above 200 PMMoV-normalized units. After March, concentrations declined steadily, dropping to medium in April and then low by May. From June through November, RSV levels remained consistently low with minimal variation. A slight uptick to medium occurred in December, but overall, the data reflects a strong winter surge, rapid spring decline, and prolonged low activity during summer and fall. Last sample date: December 10, 2025.



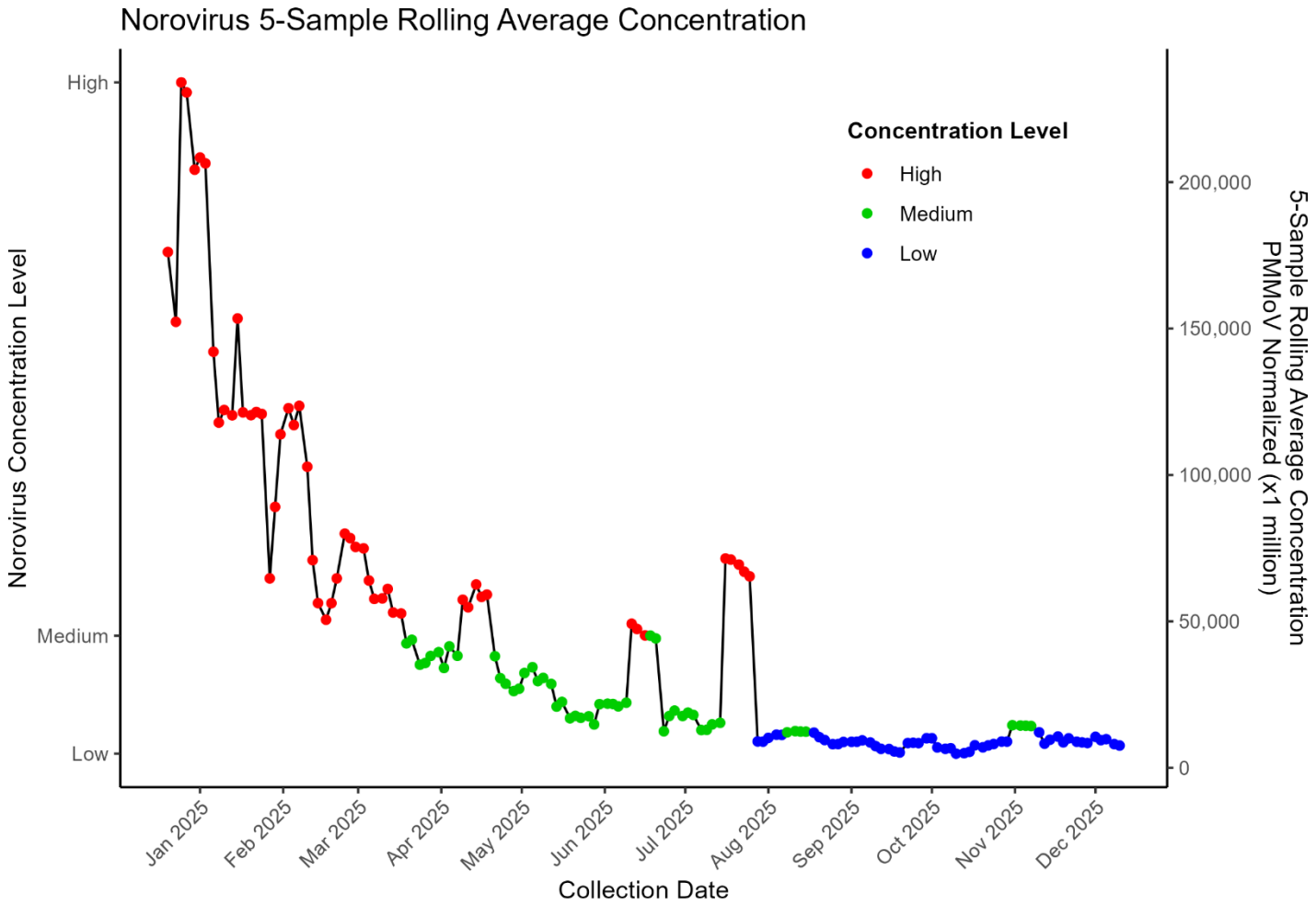
**Respiratory Syncytial Virus (RSV) Concentrations Interpretation**
As of December 11, 2025, RSV concentrations in wastewater remain low overall but show slight increases at several sites across Nevada, California, and Utah. Nevada sites reported Flamingo at 3.95 GC/L (↑), Mesquite at 15.01 GC/L (↑), and Boulder City at 11.27 GC/L (↑). California facilities recorded A.K. Warren 1.88 GC/L (↑), Hyperion 3.43 GC/L (↑), RP-1 Ontario 0.92 GC/L (↓), Riverside 0.56 GC/L (→), and Valley Sanitary District 0.00 GC/L (→). Utah sites showed Central Valley 2.41 GC/L (↑) and Provo 1.90 GC/L (↑). Overall, RSV activity remains low but trending upward at most locations

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 3.95 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | 15.01 | ↑ | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | 11.27 | ↑ | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 1.88 | ↑ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 3.43 | ↑ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 2.41 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 1.90 | ↑ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 0.92 | ↓ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0.56 | → | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 0.00 | → | December 11 2025 |

## Norovirus Viral Concentration Trends in Clark County

**Flamingo Water Reclamation District Plant**

The chart shows Norovirus concentrations at the Flamingo Water Resource Center from January to December 2025 using a 5-sample rolling average. Levels were extremely high in January and February, exceeding 200,000 PMMoV-normalized units, followed by a steady decline through spring. Concentrations shifted to medium levels in April and May, then dropped to low by June. A brief spike to high occurred in August, but levels quickly returned to low and remained stable through the fall and early winter. Overall, the data indicates a strong early-year surge, gradual decline, and sustained low activity from September onward. Last sample date: December 10, 2025.




Data Source: WastewaterScan.org
Sampling Location: Clark County Water Reclamation District, Flamingo Water Resource Center
Last Sampling Date: 12/10/25

**Interpretation of Norovirus Concentrations**

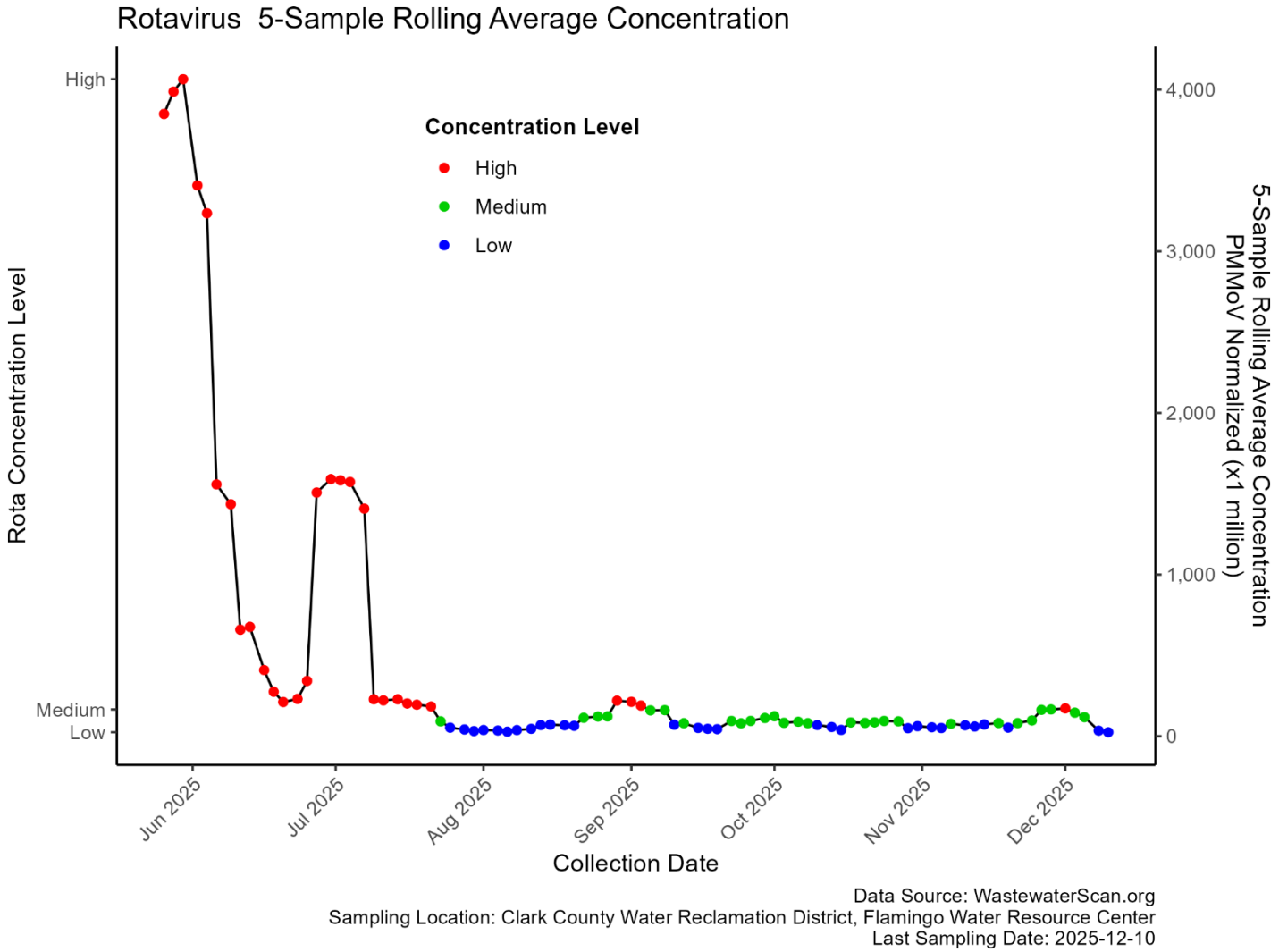
As of December 11, 2025, Norovirus concentrations in wastewater show mixed activity across Nevada, California, and Utah. Las Vegas' Flamingo site reported 7,613.73 GC/L (↓), while Mesquite and Boulder City were not tested. California facilities recorded high levels: A.K. Warren 10,380.80 GC/L (↑), Hyperion 9,468.99 GC/L (↑), RP-1 Ontario 7,340.71 GC/L (↑), Riverside 7,932.01 GC/L (↑), and Valley Sanitary District 3,589.01 GC/L (↓). Utah sites showed Central Valley 12,454.20 GC/L (↓) and Provo 22,455.00 GC/L (↑), the highest regional concentration.

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 7613.73 | ↓ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 10,380.80 | ↑ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 9,468.99 | ↑ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 12,454.20 | ↓ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 22,455.00 | ↑ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 7,340.71 | ↑ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 7,932.01 | ↑ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 3589.01 | ↓ | December 11 2025 |

## Rotavirus Viral Concentration Trends in Clark County

**Flamingo Water Reclamation District Plant**

The chart illustrates Rotavirus concentrations at the Flamingo Water Resource Center peaked at high levels in early June, exceeding 4,000 PMMoV-normalized units. Levels declined sharply to medium and low by late June, followed by a secondary high spike in early July. After mid-July, concentrations dropped to low and remained stable through August onward, with occasional minor medium-level increases in September and December. Overall, the trend shows an early summer surge, rapid decline, and sustained low activity through fall and early winter. Last sample date: December 10, 2025.



**Interpretation of Rotavirus Concentrations**

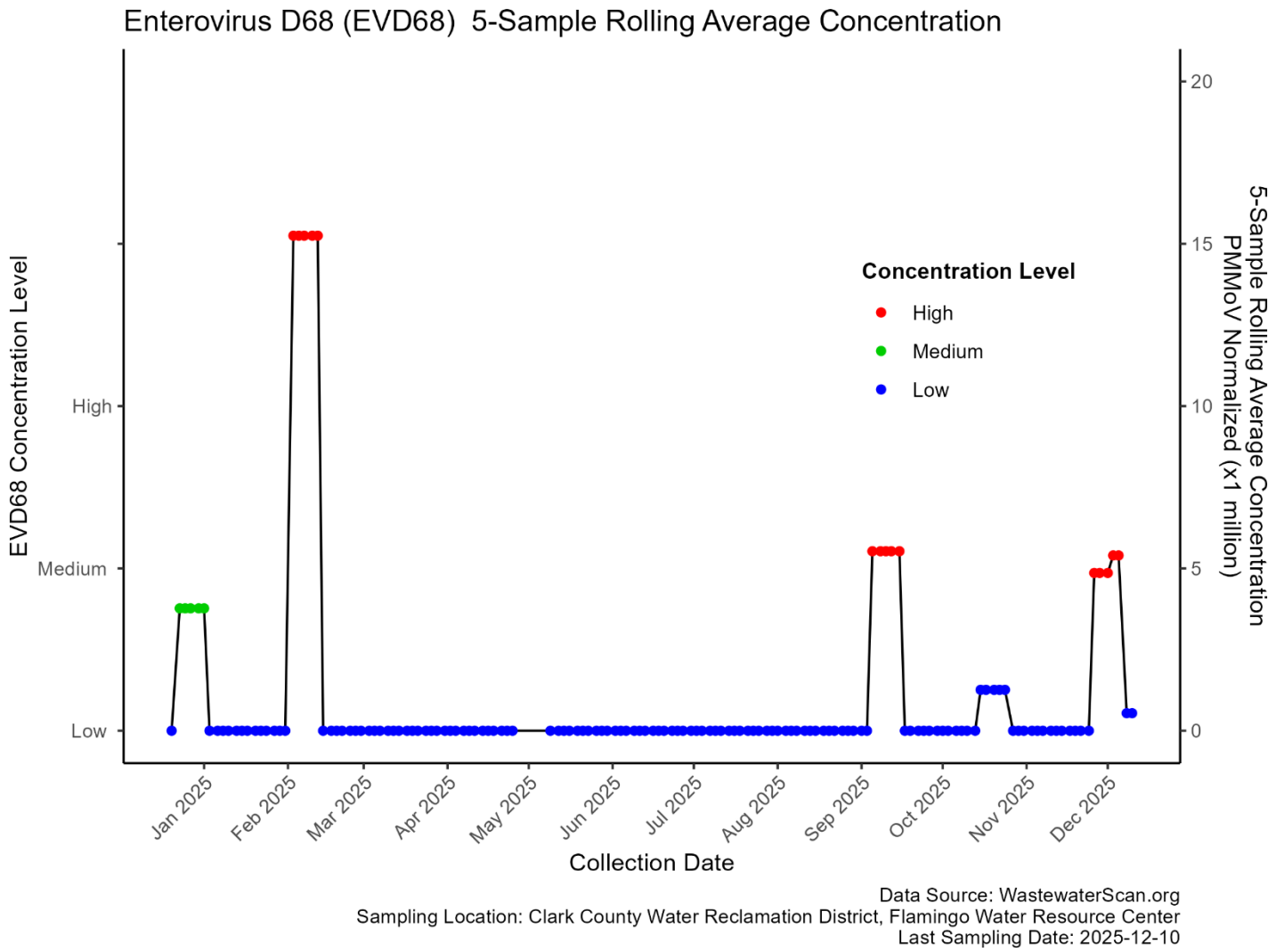
As of December 11, 2025, Rotavirus concentrations in wastewater show mixed trends across Nevada, California, and Utah. Nevada's Flamingo Water Resource Center reported 24.82 GC/L with a downward trend (↓), while Mesquite and Boulder City were not tested. California sites recorded varying levels: A.K. Warren (51.28, ↑), Hyperion (77.78, ↑), RP-1 Ontario (12.26, ↓), Riverside (83.04, ↑), and Valley Sanitary District (5.02, ↓). Utah facilities showed Central Valley at 57.32 GC/L (↑) and Provo at 88.62 GC/L (↓).

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 24.82 | ↓ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 51.28 | ↑ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 77.78 | ↑ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 57.32 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 88.62 | ↓ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 12.26 | ↓ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 83.04 | ↑ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 5.02 | ↓ | December 11 2025 |

## *Enterovirus D68* Viral Concentration Trends in Clark County

**Flamingo Water Reclamation District Plant**

The chart shows *Enterovirus D68* concentrations at Flamingo Water Resource Center fluctuated in 2025, showing brief medium spikes in January, major high peaks in February, September, and early December, and sustained low levels for most months. These patterns suggest intermittent surges rather than continuous transmission, with notable activity during winter and early fall. Last sample: December 10, 2025.



**Interpretation of *Enterovirus D68* Concentrations**

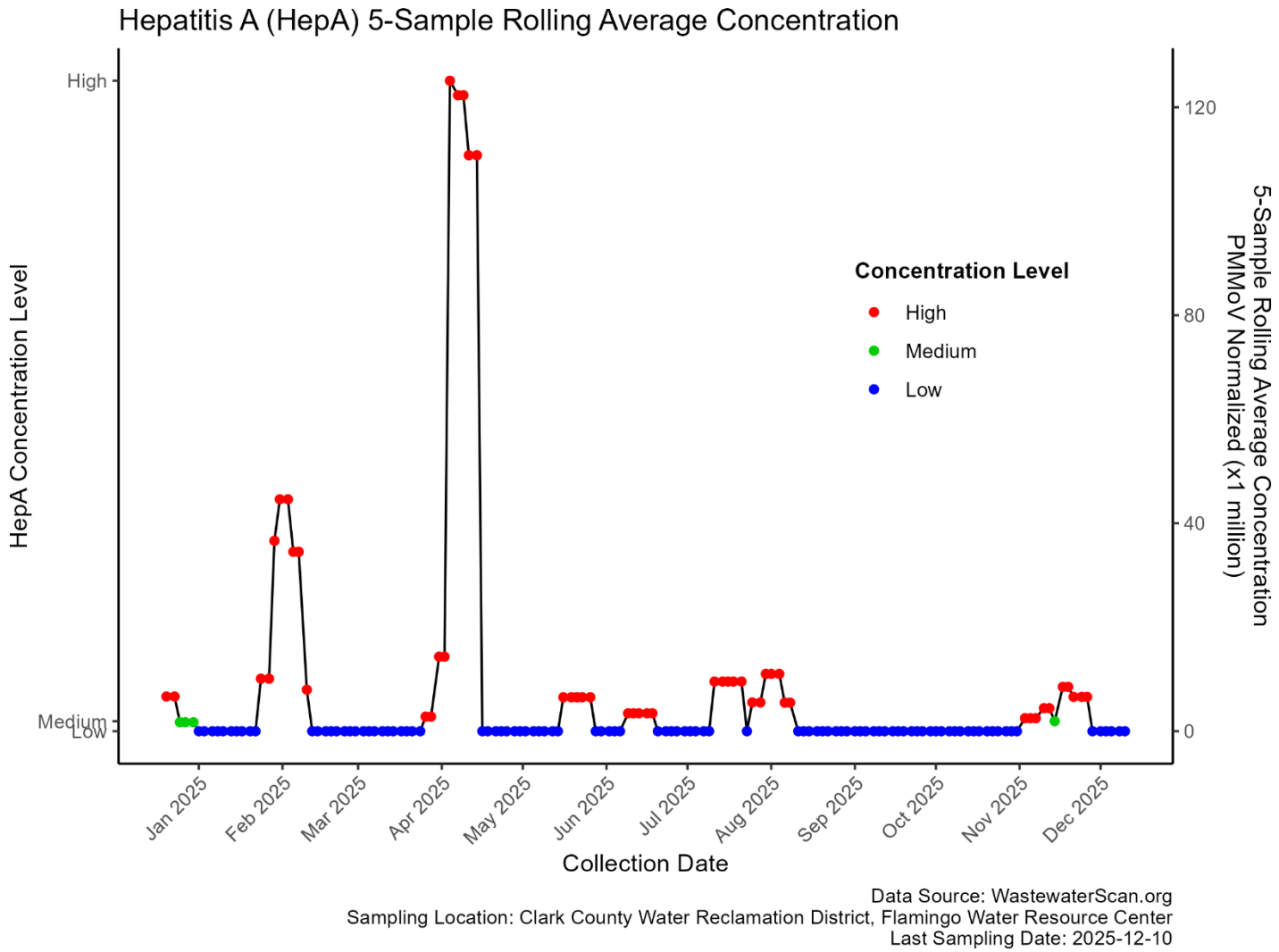
As of December 11, 2025, *Enterovirus D68* levels in wastewater across Nevada, California, and Utah range from low to moderate, with mixed trends. Nevada's Flamingo Water Resource Center reported 0.54 GC/L (↓), while Mesquite and Boulder City were not tested. California sites showed varying activity: Hyperion (14.68, ↑), A.K. Warren (11.79, ↓), RP-1 Ontario (17.54, ↓), Riverside (12.15, ↓), and Valley Sanitary District (13.68, ↑). Utah facilities recorded Central Valley at 9.56 GC/L (↑) and Provo at 2.55 GC/L (→).

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 0.54 | ↓ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 11.79 | ↓ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 14.68 | ↑ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 9.56 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 2.55 | → | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 17.54 | ↓ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 12.15 | ↓ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 13.68 | ↑ | December 11 2025 |

## Hepatitis A (HepA) Viral Concentration Trends in Clark County

**Flamingo Water Reclamation District Plant**

The chart shows Hepatitis A concentrations at the Flamingo Water Resource Center from January to December 2025 using a 5-sample rolling average. Two major spikes occurred in February and April, reaching high levels above 120 million PMMoV-normalized units, indicating significant transmission during these periods. After April, concentrations dropped sharply to low levels, with occasional minor upticks in summer and early fall. November showed a slight increase, but overall, HepA activity remained minimal for most of the year. The last sample, collected on December 10, confirms continued low levels.



**Interpretation of Hepatitis A Concentrations**

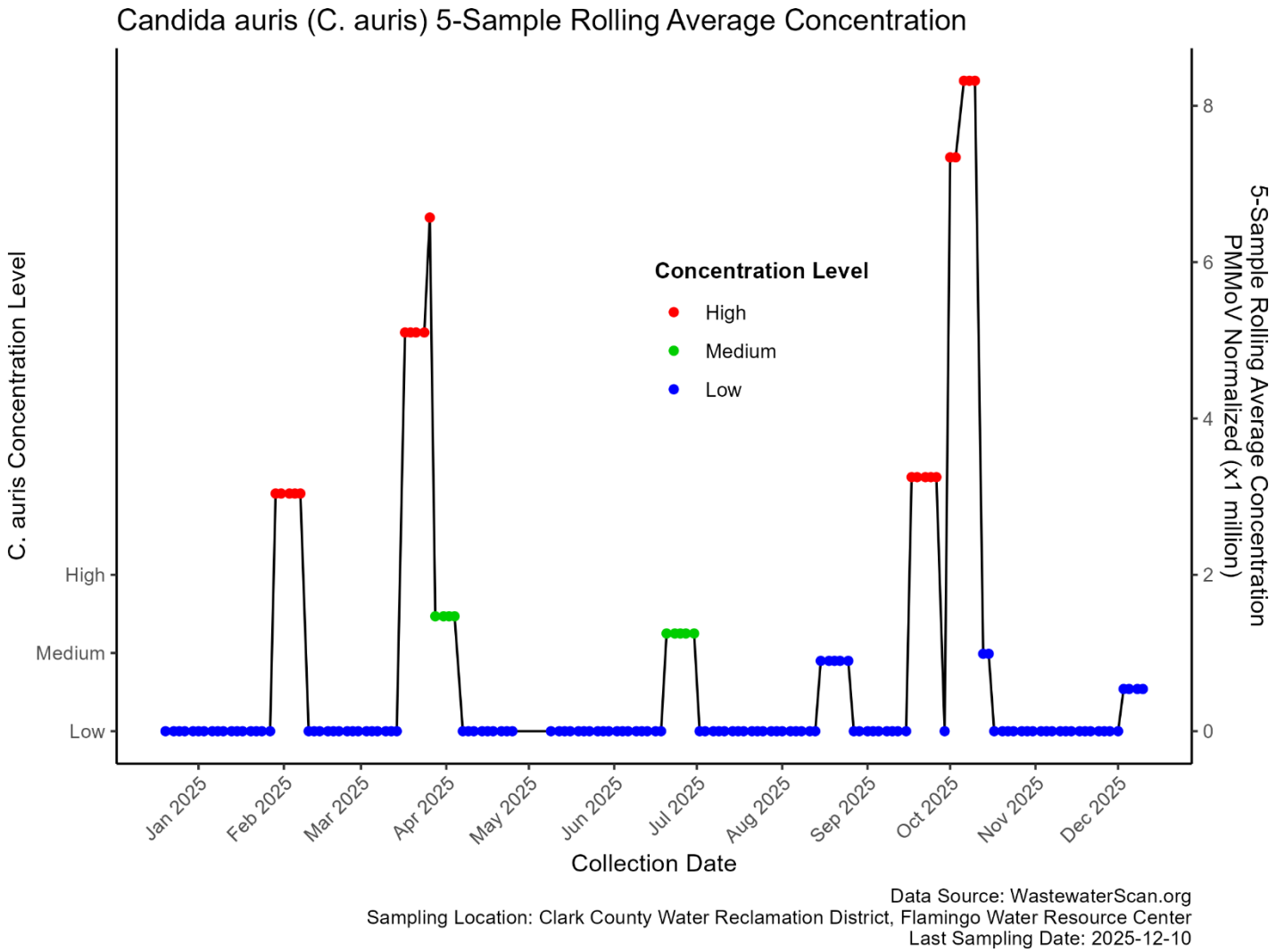
As of December 11, 2025, Hepatitis A concentrations in wastewater across Nevada, California, and Utah are mostly low or undetectable. Nevada's Flamingo Water Resource Center reported 0.00 GC/L (↓), while Mesquite and Boulder City were not tested. California sites showed notable activity: Riverside recorded the highest level at 277.59 GC/L (↑), followed by RP-1 Ontario at 59.79 GC/L (↑), A.K. Warren at 15.47 GC/L (↑), and Hyperion at 6.34 GC/L (↓). Utah facilities (Central Valley and Provo) and Valley Sanitary District reported 0.00 GC/L (→). Overall, Hepatitis A activity remains minimal except for localized spikes in California.

| 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 | ↓ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 15.47 | ↑ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 6.34 | ↓ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 0.00 | → | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 0.00 | → | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 59.79 | ↑ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 277.59 | ↑ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 0.00 | → | December 11 2025 |

## *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 January to December 2025 using a 5-sample rolling average. Levels were mostly low throughout the year, with intermittent spikes to medium and high. Significant surges occurred in February, April, and October, with April and October showing the highest peaks, exceeding 8 normalized units. Smaller increases to medium levels were observed in January, July, and September, followed by brief returns to low. November showed a minor rise but remained low overall. The data indicates sporadic, short-lived outbreaks without sustained activity. Last sample: December 10, 2025.



**Interpretation of *Candida Auris* Concentrations**

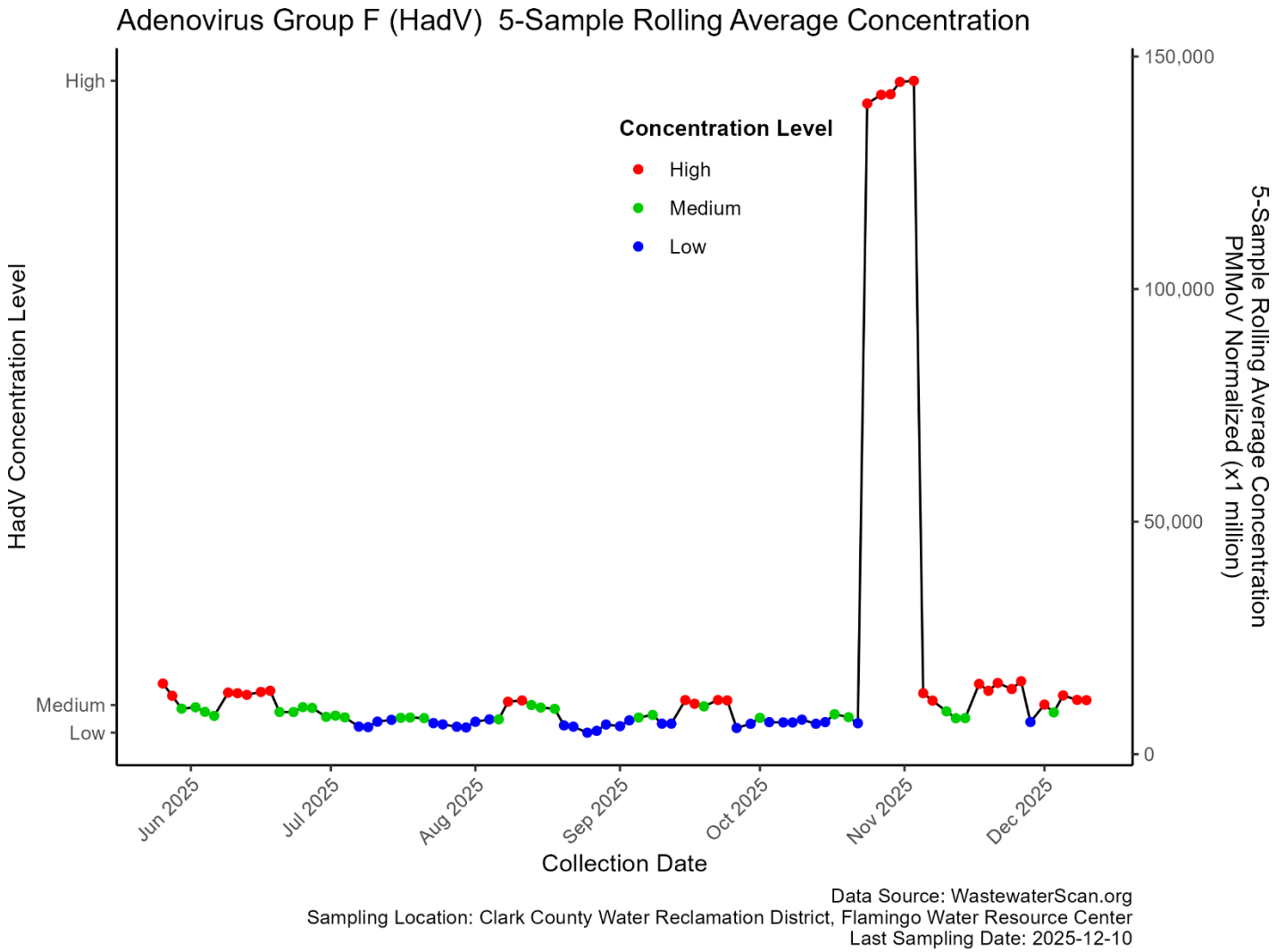
As of December 11, 2025, *Candida auris* concentrations in wastewater remain extremely low or undetectable across Nevada, California, and Utah. Nevada's Flamingo Water Resource Center reported a minimal level of 0.54 GC/L (↑), while Mesquite and Boulder City were not tested. California sites mostly showed 0.00 GC/L (→), except RP-1 Ontario at 0.38 GC/L (→). Utah facilities recorded 0.00 GC/L at Central Valley and 1.77 GC/L at Provo (→). Overall, Candida auris activity is negligible, indicating no significant transmission but requiring continued monitoring.

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 0.54 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 0.00 | → | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 0.00 | → | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 0.00 | → | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 1.77 | → | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 0.38 | → | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0.00 | → | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 0.00 | → | December 11 2025 |

## Adenovirus Group F Concentration Trends in Clark County

**Flamingo Water Reclamation District Plant**

The chart shows Adenovirus Group F (HadV) concentrations at the Flamingo Water Resource Center from June to December 2025 using a 5-day rolling average. Levels were mostly low to medium from June through early November, with minor fluctuations. In early November, concentrations spiked sharply to high levels, exceeding 140,000 PMMoV-normalized units, marking the year's peak. After this surge, levels declined but remained above medium, then fluctuated back to low, rose to medium, and climbed again to high by mid-December. This trend reflects prolonged low-to-medium activity followed by repeated late-year surges.



**Interpretation of Adenovirus Group F Concentrations**

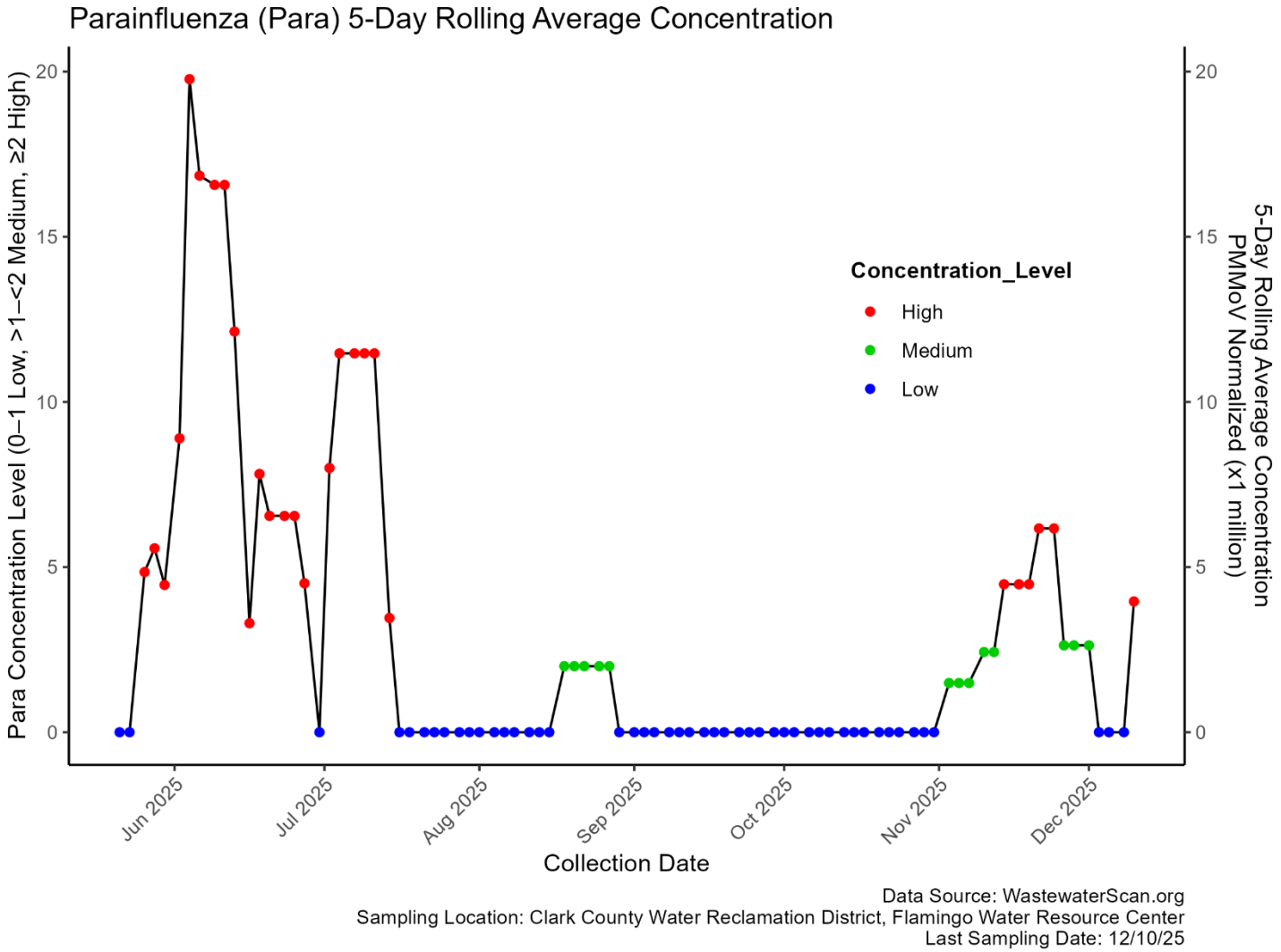
As of December 11, 2025, Adenovirus Group F concentrations in wastewater remain high across Nevada, California, and Utah, showing mixed trends. Nevada's Flamingo Water Resource Center recorded 11,621.35 GC/L (↑). California sites reported elevated levels, including RP-1 Ontario (20,974.34, ↑), Riverside (14,383.33, ↑), A.K. Warren (11,382.72, ↑), Hyperion (3,715.76, ↑), and Valley Sanitary District (8,396.07, ↑). Utah facilities showed significant concentrations: Provo (14,484.32, ↑) and Central Valley (10,282.26, ↓). Overall, widespread elevated activity persists, requiring close monitoring.

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 11,621.35 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 11,382.72 | ↑ | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 3,715.76 | ↑ | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 10,282.26 | ↓ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 14,484.32 | ↑ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 20,974.34 | ↑ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 14,383.33 | ↑ | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 8,396.07 | ↑ | December 11 2025 |

## Parvovirus Concentration Trends in Clark County

**Flamingo Water Reclamation District Plant**

The chart shows Parainfluenza concentrations at Flamingo Water Resource Center from June to December 2025 using a 5-day rolling average. Levels peaked high in June and early July near 20 units, then declined sharply to low through August and October. A brief medium spike occurred in September, followed by renewed increases in late November and early December, reaching medium and occasional high levels before dropping briefly and rising again to high. Overall, the trend reflects early summer surges, prolonged lows, and a late-year resurgence.



**Parvovirus Concentrations Interpretation**

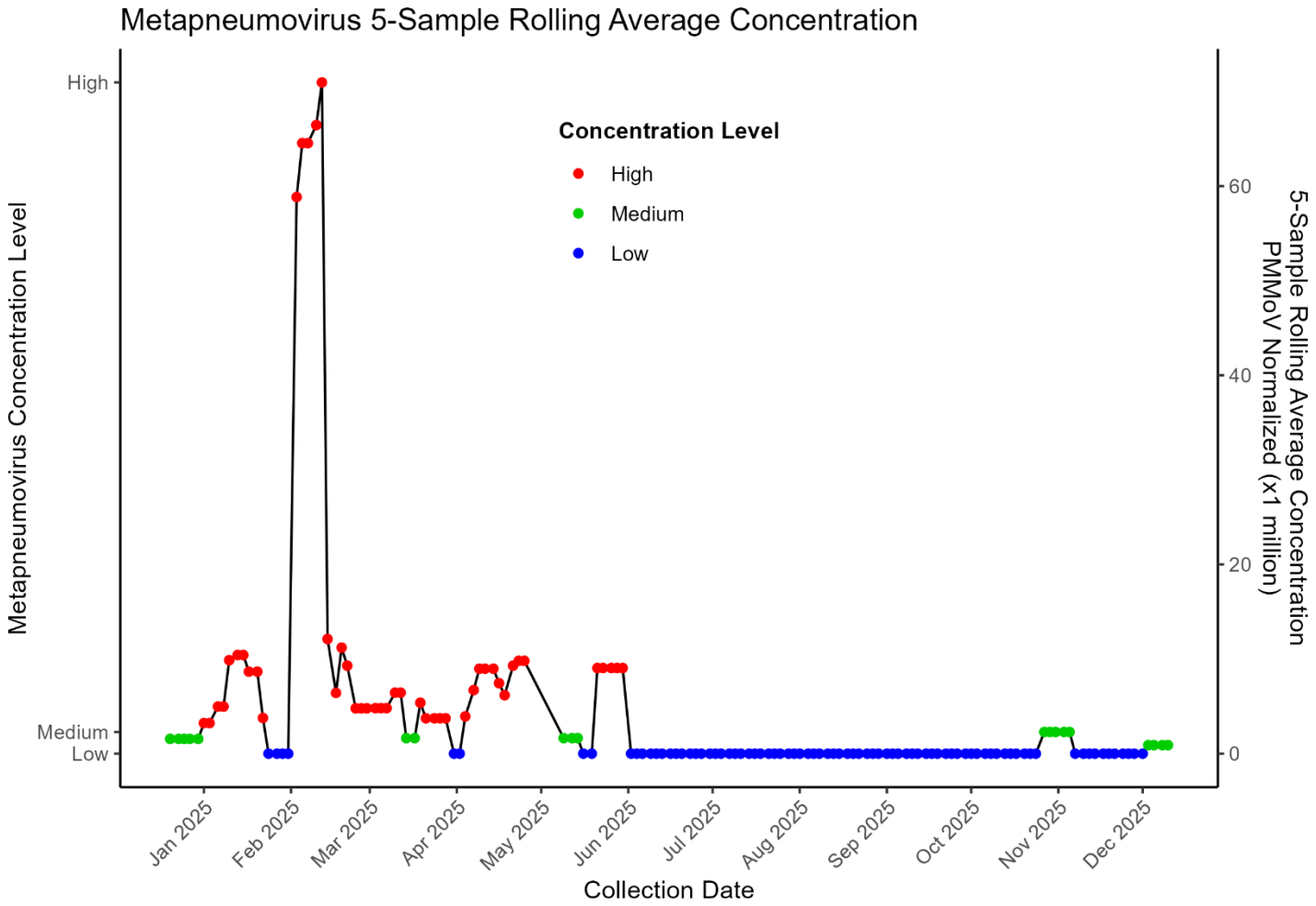
As of December 11, 2025, Parvovirus levels in wastewater across Nevada, California, and Utah remain generally low. Nevada's Flamingo Water Resource Center reported 3.96 GC/L with an upward trend, while Mesquite and Boulder City were not tested. California sites mostly showed undetectable levels, except RP-1 Ontario at 2.26 GC/L (→). Utah facilities recorded slight increases: Central Valley at 1.46 GC/L (↑), while Provo remained at 0.00 (→). Overall, concentrations are minimal, with localized minor upticks, indicating limited transmission but requiring ongoing monitoring.

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 3.96 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 0.00 | → | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 0.00 | → | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 1.46 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 0.00 | → | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 2.26 | → | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0.00 | → | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 0.00 | → | December 11 2025 |

## Human Metapneumovirus Concentration Trends in Clark County

### Flamingo Water Reclamation District Plant

The chart shows Metapneumovirus concentrations in wastewater at the Flamingo Water Resource Center from January to December 2025 using a 5-sample rolling average. Levels were low in December, rising to medium and high in January and early February. A sharp peak occurred in late February, exceeding 60 PMMoV-normalized units, marking the highest concentration. After March, levels declined to medium and low, with intermittent minor spikes through May and June. From July onward, concentrations remained consistently low, except for a small medium-level increase in November. Overall, the data indicates a strong late-winter surge followed by sustained low activity. Last sample date: December 10, 2025.



**Human Metapneumovirus Concentrations Interpretation**

As of December 11, 2025, Human Metapneumovirus (HMPV) wastewater surveillance across ten facilities in Nevada, California, and Utah shows mostly undetectable or very low levels. Nevada sites include Flamingo (0.90, ↑), while Mesquite and Boulder City were not tested. California facilities report minimal activity: Hyperion (7.01, →), RP-1 Ontario (2.32, ↑), and Valley Sanitary District (1.93, ↑), with others at 0.00. Utah sites show slight increases: Central Valley (2.33, ↑) and Provo (7.20, ↑).

| Plant Name | City | Time frame | 5 Sample Rolling Mean | 14 Day Trend | Last Sampling Dates |
|---|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | 0.90 | ↑ | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 0.00 | → | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 7.01 | → | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 2.33 | ↑ | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 7.20 | ↑ | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 2.32 | ↑ | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0.00 | → | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 1.93 | ↑ | December 11 2025 |

**Influenza H5 Viral Detection Comparing to Neighboring States**

As of December 11, 2025, 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 | → | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | 0 | → | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | 0 | → | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | 0 | → | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | 0 | → | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | 0 | → | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | 0 | → | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | 0 | → | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | 0 | → | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | 0 | → | December 11 2025 |

**West Nile Virus Viral Detection Comparing to Neighboring States**

As of December 11, 2025, wastewater surveillance across ten facilities in California, Nevada, and Utah detected no West Nile virus. All sites with sampling in the past 30 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 | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Not Tested | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Not Tested | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | Non-detect | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | Non-detect | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | Non-detect | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | Non-detect | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | Non-detect | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | Non-detect | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | Non-detect | December 11 2025 |

**MPOX Clade 1b Viral Detection Comparing to Neighboring States**

As of December 11, 2025, wastewater surveillance from ten facilities in California, Nevada, and Utah detected no Mpox clade 1b. Across all sites, monitoring within the past 90 days reported no recent presence. These findings indicate continued absence of detectable Mpox clade 1b in sampled wastewater across the three states

| Plant Name | City | Time frame | Detect/ Non-detect | Last Sampling Dates |
|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | Non-detect | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Non-detect | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Non-detect | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | Non-detect | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | Non-detect | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | Non-detect | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | Non-detect | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | Non-detect | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | Non-detect | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | Non-detect | December 11 2025 |

**MPOX Clade II Viral Detection Comparing to Neighboring States**

As of December 11, 2025, wastewater surveillance from ten facilities across California, Nevada, and Utah detected no Mpox Clade II. All sites reported no detect results.

| Plant Name | City | Time frame | Detect/ Non-detect | Last Sampling Dates |
|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | Non-detect | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Non-detect | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Non-detect | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | Non-detect | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | Non-detect | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | Non-detect | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | Non-detect | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | Non-detect | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | Non-detect | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | Non-detect | December 11 2025 |

**Measles Viral Detection Comparing to Neighboring States**

As of December 11, 2025, wastewater data from ten facilities in California, Nevada, and Utah show non-detect measles levels at nine sites, including major plants in Las Vegas, Los Angeles, Riverside, and Central Salt Lake Valley. Only the Provo City Water Reclamation Facility reported a detection on December 10, making it the sole outlier among otherwise negative regional results.

| Plant Name | City | Time frame | Detect/ Non-detect | Last Sampling Dates |
|---|---|---|---|---|
| Flamingo Water Resource Center | Las Vegas, NV | Current | Non-detect | December 10 2025 |
| Mesquite Wastewater Treatment Plant | City of Mesquite, NV | Current | Non-detect | December 11 2025 |
| Boulder Wastewater Treatment Plant | Boulder City, NV | Current | Non-detect | December 10 2025 |
| A.K. Warren Water Resource Facility | Los Angeles County, CA | Current | Non-detect | December 10 2025 |
| Hyperion Water Reclamation Plant (HWRP) | Los Angeles, CA | Current | Non-detect | December 10 2025 |
| Central Valley Water Reclamation Facility | Central Salt Lake Valley, UT | Current | Non-detect | December 10 2025 |
| Provo City Water Reclamation Facility | Provo, UT | Current | **Detected** | December 10 2025 |
| Regional Water Recycling Plant No.1 (RP-1) | Ontario, CA | Current | Non-detect | December 11 2025 |
| Riverside Water Quality Control Plant | Riverside, CA | Current | Non-detect | December 11 2025 |
| Valley Sanitary District | Indio, CA | Current | Non-detect | December 11 2025 |

**References**

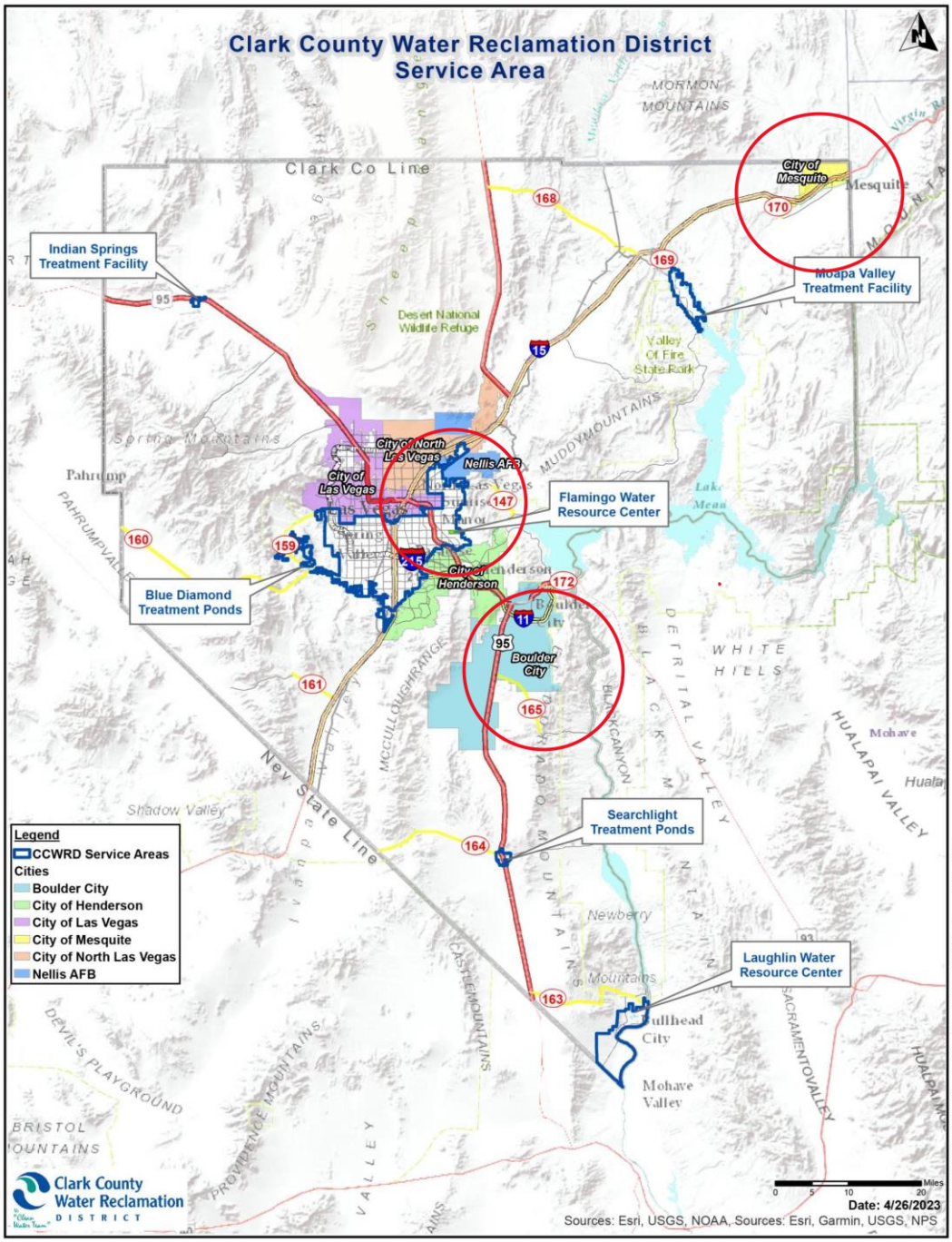
1) Verily Laboratories. *Public health: wastewater-based epidemiology (WBE)*. https://verily.com/solutions/sightline/wastewater. Published 2025. Accessed January 1, 2024.

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