

# *Victor Valley Wastewater Reclamation Authority*



## *Operations and Maintenance Report*

*1<sup>st</sup> Quarter 2026*

**Victor Valley Wastewater Reclamation Authority  
Operations and Maintenance Report**

**TO:** Board of Commissioners

**FROM:** Kody Tompkins- Assistant GM

**SUBJECT:** Operations & Maintenance Report

**DATE:** Jan 21st, 2026

---

The following information details the operation of the Victor Valley Wastewater Reclamation Authority for the first quarter of 2026. Included in this report is pertinent information regarding flows, process control information, process sampling, permit requirements, operations activities, and facility maintenance activities.

### Pertinent Flow / Receiving Data

| Month                              | Jan       | Feb       | Mar       | Quarterly Total |
|------------------------------------|-----------|-----------|-----------|-----------------|
| Total Flow Influent Flow           | 393.50 MG | 355.16 MG | 386.08 MG | 1,134.74 MG     |
| Total Flow to Mojave               | 289.80 MG | 229.10 MG | 254.05 MG | 772.95 MG       |
| Total Flow to Perc Ponds           | 115.61 MG | 154.53 MG | 145.59 MG | 415.73 MG       |
| Total 3W Flow to American Organics | 0.54 MG   | 0.82 MG   | 0.93 MG   | 2.29 MG         |
| Total 3W Flow to Victorville       | 0.0 MG    | 0.0 MG    | 0.0 MG    | 0.0 MG          |
| Total Hesperia Influent Flow       | 16.97 MG  | 16.91 MG  | 18.33 MG  | 52.21 MG        |
| Total 3W Flow to Hesperia          | 14.51 MG  | 14.74 MG  | 16.32 MG  | 45.57 MG        |
| Total Apple Valley Influent Flow   | 20.78 MG  | 20.14 MG  | 20.84 MG  | 61.76 MG        |
| Total 3W Flow to Apple Valley      | 5.35 MG   | 5.7 MG    | 10.28 MG  | 21.33 MG        |
| Total Septage Received             | 0.63 MG   | 0.54 MG   | 0.72 MG   | 1.89 MG         |
| Total ADM/FOG Received             | 2.13 MG   | 2.31 MG   | 1.93 MG   | 6.37 MG         |
| Total Digester Gas Production      | 25.0 MSCF | 24.3 MSCF | 26.6 MSCF | 74.9 MSCF       |

### Work Order Activity

| KPI                            | Count |     |     |       | Percent |     |     |       |
|--------------------------------|-------|-----|-----|-------|---------|-----|-----|-------|
| Month                          | Jan   | Feb | Mar | Total | Jan     | Feb | Mar | Total |
| Planned Work Total             | 205   | 226 | 216 | 647   |         |     |     |       |
| Planned Work Completed         | 201   | 220 | 212 | 633   | 98%     | 97% | 98% | 97%   |
| Planned Work Completed On-Time | 186   | 198 | 179 | 563   | 90%     | 87% | 82% | 87%   |
| Planned Work Incomplete        | 4     | 6   | 4   | 16    | 1%      | 2%  | 2%  | 2%    |
| Planned Work Completed Late    | 8     | 10  | 13  | 31    | 3%      | 4%  | 4%  | 4%    |
| Reactive Work Completed        | 147   | 131 | 121 | 399   | 43%     | 39% | 41% | 41%   |
| PM Work Completed              | 194   | 203 | 171 | 568   | 57%     | 61% | 59% | 59%   |

|                      |     |     |     |     |  |  |  |  |
|----------------------|-----|-----|-----|-----|--|--|--|--|
| Total Work Completed | 341 | 334 | 292 | 967 |  |  |  |  |
|----------------------|-----|-----|-----|-----|--|--|--|--|

## VWRA RWWTP Activities

- **Permit Continuous Monitoring Requirements**
  - Permit required monitoring equipment was on-line and working properly.
  - PH and conductivity probes cleaned and calibrated.
  - TSS and Turbidity probes were cleaned and calibrated.
  - UVT probe cleaned and calibrated.
  - Intensity probe verifications completed monthly.
- **Permit Violations**
  - There was one permit violation.
- **Sampling**
  - All permit required samples were collected and processed.
- **Safety**
  - Vehicle safety inspections completed monthly.
  - Gas Monitor inspections completed monthly.
  - Eyewash safety showers inspected monthly.
  - SCBA inspections completed monthly.
  - Hazardous storage area inspection completed.
  - Spill kit inspections completed.
- **Backup Generator Tests**
  - Routine testing of the backup generators completed monthly.
- **Essential Equipment Maintenance**
  - Aqua guard pre-treatment screen inspected and serviced, as necessary.
  - Headwork's conveyor belt lubed and inspected.
  - Grit classifier PMs completed.
  - Monthly daft lube PMs completed.
  - Primary clarifier shear pins replaced as needed.
  - Primary sludge pump PMs completed.
  - Pillar blower inspections completed.
  - Service air compressors inspected and serviced, as necessary.
  - Waukesha engine inspections completed.
  - Turblex blowers inspected and serviced, as necessary.
  - Monthly tertiary filters platform PMs completed.
  - Monthly tertiary filter cleaning PMs completed.
  - Monthly tertiary filter festoon inspections completed.
  - UV System cleaning PMs completed.
  - DAFT Air Compressor PMs completed.
  - DAFT monthly PMs completed.
  - Monthly UREA refills on CHPs completed.
  - CHP exhaust differential pressure readings taken.

- CHP gas differential pressure readings taken.

## **Operations Activities**

- **BNR Process**
  - Maintained permit compliance throughout BNR process.
- **ADM/FOG Receiving**
  - Receiving 90 trucks on average weekly.
- **CoDigestion**
  - Four digesters are online and operating.
- **UV Disinfection**
  - UV channels cleaned each month.

## **Maintenance Activities**

- **Process Equipment**
  - 2G CHP service performed.
  - Bar screens serviced.
  - Grit pumps serviced.
  - Headworks conveyors serviced.
  - Waukesha's serviced.
  - Installed new scum collectors wear pads in primary 5-8
  - Waukesha Blower 5 piston replacement
  - Source Test CHP 1 & 2
- **Vactor Cleaning**
  - Septage Receiving Grit Chamber.
  - Septage EQ basin.
  - Storm Drains.
  - Digester 4 & 5 supernate lines jetted.
  - Decant structure lines jetted.
- **Pump services / Replacement.**
  - Percolation pond pumps serviced
  - Service water pumps serviced.
  - Supernate Pump Serviced
  - GBT Transfer pump serviced
  - Two Godwin Portable Pumps Serviced
  - Replaced GBT pc pump with new hose pump

## VVWRA Apple Valley WRP Activities

- **Permit Continuous Monitoring Requirements**
  - Permit required monitoring equipment was on-line and working properly.
  - PH probes cleaned and calibrated.
  - Turbidity analyzers were cleaned and calibrated.
  - UVT probe cleaned and calibrated.
  - Intensity probe verifications completed monthly.
- **Permit Violations**
  - No permit violations.
- **Sampling**
  - All permit required samples were collected and processed.
- **Safety**
  - Gas Monitor inspections completed monthly.
  - Eyewash safety showers inspected monthly.
  - Spill kit inspections completed.
- **Backup Generator Tests**
  - Routine testing of the backup generators completed monthly.
- **Essential Equipment Maintenance**
  - Fine screens inspected and serviced, as necessary.
  - Aerzen process blower inspections completed and serviced, as necessary.
  - Aerzen MBR blower inspections completed and serviced, as necessary.
  - UV System cleaning PMs completed.
  - MBR system PMs completed, as necessary.

## Operations Activities

- **MBR Basins**
  - Weekly maintenance cleans performed per manufacturer's recommendation.
- **Recycled Water Operations**
  - Sent water to Irrigation Pond.
- **UV Disinfection**
  - Acid cleans performed.

## Maintenance Activities

- **Otoe Lift Station**
  - Regular PM's performed.
  - De-ragged both Hidrostral pumps.

- Wet well cleaning performed
- Otoe Twisters serviced
- Biofilter Fans Serviced
- **PMs / Inspections**
  - Inspection and maintenance of MCCs, and PLC cabinets completed.
  - Mechanical equipment PMs and inspections completed.
- **Services / Repair**
  - Regular PM's performed.
  - Make-up Air Blowers Serviced
  - Wet-well cleaning.
  - Permeate pumps serviced

## **VVWRA Hesperia WRP Activities**

- **Permit Continuous Monitoring Requirements**
  - Permit required monitoring equipment was on-line and working properly.
  - PH probes cleaned and calibrated.
  - Turbidity analyzers were cleaned and calibrated.
  - UVT probe cleaned and calibrated.
  - Intensity probe verifications completed monthly.
- **Permit Violations**
  - No permit violations.
- **Sampling**
  - All permit required samples were collected and processed.
- **Safety**
  - Gas Monitor inspections completed monthly.
  - Eyewash safety showers inspected monthly.
  - Spill kit inspections completed.
- **Backup Generator Tests**
  - Routine testing of the backup generators completed monthly.
- **Essential Equipment Maintenance**
  - Fine screens inspected and serviced, as necessary.
  - Aerzen process blower inspections completed and serviced, as necessary.
  - Aerzen MBR blower inspections completed and serviced, as necessary.
  - UV System cleaning PMs completed.
  - MBR system PMs completed, as necessary.
  - Permeate Pumps Serviced
  - Aeration Basin #2 membrane diffusers replaced.

## **Operations Activities**

- **MBR Basins**
  - Weekly maintenance cleans performed per manufacturer's recommendation.
- **Recycled Water Operations**
  - Continued sending water to offsite tank.
- **UV Disinfection**
  - Acid cleans performed.

## **Maintenance Activities**

- **Hesperia Lift station**
  - Wizard blowers serviced.
  - Wet-well cleaning.
  - Biofilter Fans serviced
- **PMs / Inspections**
  - Inspections and maintenance of MCCs, and PLC cabinets completed.
  - Mechanical equipment PMs and inspections completed.
- **Services / Repairs**
  - Regular PM's performed
  - Permeate pumps serviced.
  - Fine Screens Serviced
  - Aeration Basin #2 membrane diffusers replaced