



Utilities Department Memorandum

TO: Honorable Mayor and Council

FROM: Cástulo R. Estrada, Utilities Director

DATE: July 16, 2025

SUBJECT: Quarterly Activity Report (April 2025 to June 2025)

Coachella Water Authority:

The Utilities Department Water Authority Division provides water pumping, treatment, and distribution services to more than 9,100 service connections citywide that include residential, commercial, and industrial users. The City has three (3) Storage Reservoirs of more than 10 million gallons of capacity with six (6) operating wells that provides more than 8,000 acre-feet of annual water production. This division is responsible for a variety of tasks including meter reading, repairs, pumping, production, treatment, main and distribution repairs, water quality complaints, service connections/disconnections, and capital improvements along with other assigned duties.

Coachella Water Authority Production and Distribution Highlights	
<u>Description</u>	<u>Value</u>
Total -Water Production (April to June) (MG)	696.87
Chlorine Consumption (Gallons)	3549
Monthly Samples Collected (Distribution System)	156
Quarterly Wells Sampled	5
Valves Repaired/Replaced	0
Underground Service Alerts	38
Standby Service Calls	55
Water Service Leaks	31
Main Leaks	0
Current Non responsive meters cycle one	456
Current Non responsive meters cycle two	640
Meter Replacements	16
Hydrant Replacements	2
Delinquency Turn Offs	35
Well Depths Monitored – 06/2025	
Well No. 10 Depth (feet,) SWL	30'
Well No. 11 Depth (feet,) PWL	118'
Well No. 12 Depth (feet,) SWL	87'
Well No. 16 Depth (feet,) SWL	33'
Well No. 17 Depth (feet,) PWL	129'
Well No. 18 Depth (feet,) PWL	132'
Well No. 19 Depth (feet,) PWL	141'
Annual Production	
2025 Total current production JAN 2025 to JUN 2025	1186.37
2024 Annual (MG)	2340.7

Coachella Sanitary District:

The Utilities Department, Sanitary Division, provides for all the collection, treatment, and disposal of residential, commercial, and industrial wastewater for the more than 8,600 service connections within the City and more than 400,000 lineal feet of sewer collection system (100miles) 4-inches to 54-inches, Two (2) sewage pump stations, and over 1,700 manholes.

The Avenue 54 Wastewater Treatment Plant has a flow capacity of 4.5 million gallons per day. Consists of a raw wastewater lift station and headworks facility, which includes screenings and grit removal equipment, two separate secondary treatment process trains including contact stabilization tanks and oxidation ditches and disinfection facilities. Secondary effluent from the plant, following disinfection with sodium hypochlorite and dechlorination with sodium bisulfite is discharged through an outfall into the Coachella Valley Stormwater Channel.

For the **4th Quarter of April, May & June 2025**, a total of 283.933 MG of wastewater was received at the Wastewater Plant. With an average daily flow of 3.120 MGD. The Plant treated a total of 255.981 MG. A total of 235 samples were collected at the plant for monitoring.

Water Reclamation Facility – 87075 Avenue 54th	
<i>Description</i>	<i>Value</i>
Total Influent per month (MG)	94.644
Influent Ave. Daily Flow (MGD)	3.120
Total Effluent per month (MG)	85.327
Effluent Ave. Daily Flow (MGD)	2.819
Plant Permitted Capacity (MGD)	4.5
Operational Upsets	0
Permit Violations	0
Hypochlorite consumption (Gallon)	13,601
Sodium Bisulfite consumption (Gallon)	5,000
Odor complaints	0
Samples collected this quarter (Plant)-	235
Stand-By Calls	23
State & EPA Reports completed/submitted	Yes

Collection System & Pump Stations Highlights	
<i>Description</i>	<i>Value</i>
Underground Service Alert	498
Collection System Cleaning (feet)	152,616
Manhole Inspection/Cleaning	222
Collection System Spills	0
Collection System Blockages	0
Collection System CCTV Inspection (feet)	316
Samples Collected (Field)	0
Pump Station Alarms	4
Wet Well Cleaning	2
Wet Well/Lift Station Inspections	55
Odor complaints	0
State CIWQS Reports Submitted	Yes

Environmental Division:

The Environmental Division of the Utilities Department is responsible for areas relating directly to water, wastewater, and storm water protection. Focus is aimed at the National Pollutant Discharge Elimination System (NPDES), Industrial Wastewater Pretreatment Program (Source Control), and Fats, Oils, & Grease (FOG) Program. These programs provide auditing, permitting, monitoring, and enforcement of our local City Ordinance. The following report details activities for the previous quarter:

- Attended weekly/monthly meetings with Desert Task Force (DTF), Coachella Valley Salt & Nutrient Management Plan (CV-SNMP), Sustainable Groundwater Management Act (SGMA), Coachella Valley Regional Water Management Group (CVRWMG), and Riverside County Flood Control (RCFC)
- Reviewed and approved Industrial Wastewater Discharge Permits
- Reviewed and updated Industrial Facilities Wastewater Sewer Service Fee
- Performed 56 Industrial And Food Service Establishment Inspections
- Issued 10 enforcement violations
- Assist Development Services in reviewing plans pertaining to the Environmental Division
- Ensured hazardous waste is stored properly and scheduled for disposal
- Monitored Coachella Valley Storm Channel stormwater outfalls

Engineering:

Well 16:

- An EMDS survey was conducted on May 7 to assess the casing integrity. Once the results are received, they will be reviewed to proceed with the rehabilitation phase.
- The well was prepared for the injection of NW220.
- The focused intake pump was removed, and L.O. Lynch injected a mixture of 25 gallons of NW220 and 200 gallons of water into the well via 480 feet of tremie pipe. The mixture was swabbed into the well screen for approximately two hours using a weighted multi-swab tool.
- Rehabilitation continued using a 10-foot dual-swab focused-intake tool, working from the bottom of the well upward. Discharge water was pumped at an estimated rate of 320 gpm.
 - When swabbing near the bottom (approximately 726 feet), the discharge water appeared black and contained a substance resembling rusted metal.
 - Water clarity improved after continued pumping or when the swab was raised higher in the screen. Above the bottom, the discharge appeared mostly clear, with only minor traces of black material.
 - The focused-intake tool was used from 726 feet up to 561 feet and will be used on the remaining well screen.
- Six 5-gallon containers of Flo-Klor (12.5% sodium hypochlorite) were added for a total of 30 gallons of chlorine. This solution was distributed throughout the well casing, screen, annular space, and adjacent aquifer using a swab tool connected to a pump rig cable.
 - The swab tool was used to treat 10-foot intervals from the bottom of the well upward to ensure full chlorine dispersion.
 - The chlorine solution will remain in the well overnight.
- Dudek provided an overview of focused pumping and chemical rehabilitation conducted by Lynch between May 19 and June 10, 2025.
- A step test was performed by Dudek and Lynch on June 18, 2025.
- A constant rate test followed on June 20, 2025, during which water quality samples were collected.

- Dudek is currently analyzing the results to determine the potential available production and what will be next steps.

Well 20:

- The bid opening was held on May 6, and five bids were received.
- We are currently evaluating the discharge capacity into the manhole closest to the well location.

Chromium 6 Project:

- The hydraulic model was ran to develop exhibits showing discharge routes from each well to the City's sewer collection system as part of the chromium 6 treatment design.
- Reached out to our chemical providers to obtain cost information needed by the consultant to develop an Operations & Maintenance (O&M) estimate for the proposed hexavalent chromium treatment system.
- Site selection is underway to identify the most suitable location for piloting the system.
- Public notifications regarding hexavalent chromium were sent out on June 12th.
- CWA is currently reviewing the Hexavalent Chromium Compliance Plan.

Shady Lane Septic-to-Sewer and Water Project:

- The project's Notice of Award staff report was presented to City Council on May 14.
- The FBA package for both the water and sewer components have been submitted to the Division of Drinking Water for review.
- Coordinated with Caritas regarding scheduling.
- Conducted a contractor meeting to discuss the project timeline.
- Scheduled a follow-up meeting to receive updates and track progress.
- A pre-construction meeting was held on June 17th.
- The Notice to Proceed was issued for June 23rd.
- Project signage is being prepared for placement at the site.
- Final Budget Approval (FBA) is in progress and will be submitted to the State Water Board upon completion.

Headworks Project:

- The contractor's first submittal is currently under review by Dudek.

Amendments:

- Two amendments have been prepared for the following:
 - To continue rehabilitation work at Well 16
 - Engineering and electrical inspection services for the Headworks project to support City staff during construction

General Updates:

- We submitted the Annual Shortage Report.
- Work is ongoing on the Cross-Connection Control Management Plan to bring CWA into compliance with the State Water Resources Control Board's Cross-Connection Control Policy Handbook.
- We finalized the Consumer Confidence Report (CCR), which is due annually before July 1st.
- On June 25th, the State Water Board conducted the final inspection of the Mesquite Project.