

**BOARD OF MANAGERS MEETING
CANYON REGIONAL WATER AUTHORITY**

**Wednesday, April 9, 2025
CRWA ADMINISTRATIVE BUILDING
850 Lakeside Pass, New Braunfels, Texas 78130**

This Notice is posted pursuant to the Texas Open Meeting Act. (TEX. REV. CIV. STAT. ANN. Chapter 551, Section 31.) The Canyon Regional Water Authority will hold an in-person meeting at **10:00 AM Wednesday, April 9, 2025**, regarding provisions of the Texas Open meetings act. Additional information can be obtained by calling: (830) 609-0543.

The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

Item

- 1 Open Meeting & Corrections to March 5, 2025, Meeting Notes (Justin Ivicic)**
- 2 Water Precipitation/Drought Update: (Adam Telfer)**
 - A. Precipitation update
 - B. GBRA In-Out Basin Report
 - C. Drought and Canyon Lake update
- 3 Treated Water Production Update: (Adam Telfer)**
 - A. Current Water Treatment Operation**
 - a. Lake Dunlap WTP
 - b. Wells Ranch WTP
 - c. Hays Caldwell WTP
- 3 General Construction / Design Projects:**
 - A. Construction Committee Report and/or Recommendations (Nicholas Sherman)**
 - a. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Project
 - b. TxDOT/CRWA FM 1518 Transmission Line Project
 - c. TxDOT/CRWA IH-10 Conflict at Channel D
 - d. Hays Caldwell Pipeline
- 5 Water Treatment Plant Improvement Projects: (Nicholas Sherman)**
 - A. Lake Dunlap WTP**
 - a. Interconnect Water Line (ARWA)
 - b. Additional Membrane/WTP Upgrade
 - c. GST Rehabilitation
 - B. Wells Ranch WTP**
 - a. Emergency Generator Project
 - C. Hays Caldwell WTP**
 - a. Tank Construction D/N
 - b. Phase 2 Improvements Project
 - c. Membrane Filter Upgrade
 - a. Additional Mobile Filtration Unit
 - d. Pilot Study
- 6 Wells Ranch (Kerry Averyt)**
 - A. Well Upgrade Project
 - B. Wells Ranch III Infrastructure Upgrades
 - C. Blumberg Project
- 7 General Topics/Meetings (Kerry Averyt)**
 - A. THM Reduction
 - B. Potential conflicts with existing
- 8 Items for the next Board of Managers meeting or the Board of Trustees Meeting**
 - A. Appointments to the Board of Managers and Board of Trustees due May 1, 2025

- a. Relative CRWA Bylaw language:
 - i. Article III, Section 2.01 states "Each Member Entity shall appoint two representatives to the Board of Trustees."
 - ii. Article III, Section 3.01 states "Each Trustee shall be appointed in accordance with Senate Bill 1735 by each Member Entity. Said Trustee must be at least 18 years of age and reside within the territory located in the Authority. The territory of the Authority shall be defined as the certificated area of the Member Entities as defined by the Public Utility Commission."
 - iii. Article IX, Section 9.03 of the CRWA Bylaws states "The Authority shall maintain a Board of Managers composed of the managers or other designated representative of each Member Entity. Associate Members and participating members may designate a representative to the Board of Managers."

B. Board of Managers Recommendations for Board of Trustees

9 Announcements and Adjourn

BOARD OF MANAGERS MEETING MINUTES CANYON REGIONAL WATER AUTHORITY

**Wednesday, March 5, 2025
CRWA ADMINISTRATIVE BUILDING
850 Lakeside Pass, New Braunfels, Texas 78130**

This Notice is posted pursuant to the Texas Open Meeting Act. (TEX. REV. CIV. STAT. ANN. Chapter 551, Section 31.) The Canyon Regional Water Authority will hold an in-person meeting at **10:00 AM Wednesday, March 5, 2025**, regarding provisions of the Texas Open meetings act. Additional information can be obtained by calling: (830) 609-0543.

The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

Item

- 1 Open Meeting & Corrections to February 5, 2025, Meeting Notes (Justin Ivicic)**
 - » Kerry Averyt opened the meeting at 10:00 AM. There were no corrections to the February minutes.
- 2 Water Precipitation/Drought Update: (Kerry Averyt)**
 - A. Precipitation update
 - B. GBRA In-Out Basin Report
 - C. Drought and Canyon Lake update
 - » Adam Telfer gave an update on the drought report. The Upper-Guadalupe and San Antonio basins are still in extreme drought. Canyon Lake is 48.4% full. There has been a drop in what GBRA is releasing out of the Lake, since February 1. There has been no significant precipitation to report. CRWA will follow up with GBRA regarding the aspects of what Stage 5 drought restrictions will look like.
- 3 General Construction / Design Projects:**
 - A. **Construction Committee Report and/or Recommendations (Brandon Rohan)**
 - a. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Project
 - b. TxDOT/CRWA FM 1518 Transmission Line Project
 - c. TxDOT/CRWA IH-10 Conflict at Channel D
 - d. Hays Caldwell Pipeline
 - » Brandon Rohan gave an update on the current construction projects. The Zuehl Rd. portion of the project has submittals that Utility Engineering Group (UEG) are reviewing. The FM 1518 project is waiting for revegetation and UEG continues to send 30-day notices to the contractor. CRWA Staff are waiting on a draft of the TxDOT agreement for the Conflict at Channel D project. CRWA has the design plans for the Hays Caldwell Pipeline, but there may be design changes based on easement acquisition. There are 8 total parcels that Texas Land and Right of Way are working to get. The pipeline will take approximately 4 months of construction.
- 4 Treated Water Production Update: (Kerry Averyt)**
 - A. Current Water Treatment Operations
 - b. Lake Dunlap WTP
 - c. Wells Ranch WTP
 - d. Hays Caldwell WTP and Pall Mobile Unit
 - » All three water treatment plants are trending below their February 2024 usage. CRWA will speak with the Board of Trustees about the pro rata share plan for curtailment. There is further discussion about the pro rata share plan. Phil Gage, Green Valley SUD's General Manager, wants to create an operational way to make a recommendation to the Board of Trustees regarding the pro rata share plan. There is further discussion on the curtailment plan, and the GBRA drought restrictions. Kerry Averyt wants this to be further discussed in a separate meeting before bringing it to the Board of Trustees.
 - » The programming will be in place for CRWA to control all the flows by March 11th.
- 5 Water Treatment Plant Improvement Projects: (Brandon Rohan)**
 - A. **Lake Dunlap WTP**
 - a. Interconnect Water Line (ARWA)
 - b. Additional Membrane/WTP Upgrade
 - c. GST Rehabilitation
 - B. **Wells Ranch WTP**
 - a. Emergency Generator Project
 - C. **Hays Caldwell WTP**
 - a. Tank Construction D/N

- b. Membrane Filter Upgrade
 - c. Pilot Study
- » Lake Dunlap WTP: Alliance Regional Water Authority (ARWA) is waiting for additional information from CRWA for the Interconnect. The proposals for the strainers came in more than double what the anticipated cost was. Garver gave an OPCC of approximately \$1.3 million, but a bid came in at around \$2.7 million. When the project was initially budgeted, only \$920,000 was budgeted for. A lot of the costs for the project can be deferred to FY 2026. Garver reached out to a couple of the proposers to gather information on why the cost was outside of CRWA's expectations. The response was that costs are higher due to the increase in costs for materials. CRWA received a scope of work proposal for the ground storage tank rehab and sent comments back. CRWA is now waiting for a fee proposal to review and finalize to move forward with design. There is money in the budget this fiscal year for construction on the ground storage tank.
- » Wells Ranch WTP: The bids for the Emergency Generator Project came in after the Construction Committee met on 02/25. \$1.3 million was the lowest bid, but it is off from the other bid which came in at \$3.8 million. CRWA will reach out to the contractor of the lowest bid to ensure they can do the work for that price. Both bids will still need to be validated. The project is for a total of 8 generators.
- » Hays Caldwell WTP: There is a report from Ardurra and Cobb Fendley regarding the Phase 1 Improvements. The concrete tank is curing, and they're going to begin removing the internal scaffolding. The cold weather delayed the concrete work, final completion is about 3 weeks behind. The Pilot study is still expected to begin in April. Once the Pilot is complete, there will be a better understanding for design of the replacement of the filters. Once the Pilot study is complete, TCEQ approves, a few months to finalize design, advertise, and begin construction, with approximately 18 months of construction, the current Koch filters will not make it that long. An additional mobile unit will be needed. There will need to be a meeting with the Hays Caldwell group to discuss the additional mobile unit.
- 6 Wells Ranch Project III (Kerry Averyt)**
 - A. Christian Well (920 AF)
 - B. Wells Ranch Infrastructure Upgrades
 - C. Blumberg Project
 - » There is no update on the well upgrades. There was a potential for a change order to this project to have a generator moved to one of the well sites, however, the cost of the change order would have met the 25% threshold. Mr. Averyt does not recommend moving forward with this change order on this project. There is potential to put it on the Emergency Generator Project
 - » The preliminary engineering report for the infrastructure upgrades will be available to CRWA soon. The cost of the project is about \$350 million, not including the pipeline to Hays Caldwell WTP.
 - » The decision was made to separate the Blumberg Project from the Wells Ranch III Project. CRWA has requested a scope of work from STV and the Hydrogeologist to do their preliminary work. This project is not funded in the budget. A meeting with the participants will be needed to discuss funding for the project.
- 7 General Topics/Meetings (Kerry Averyt)**
 - A. THM Reduction
 - » There are no new updates on THM reduction. HDR came to the CRWA office and gave a presentation on THM reduction.
 - » There is further discussion on the role of the Board of Manager's in association to assessing risks of projects and taking recommendations to the Board of Trustee's. Many of the Managers would like to see a restructure in the Board of Manager's agenda to be different from the Construction Committee agenda, but still less formal than the Board of Trustee's agenda.
- 8 Items for the next Board of Managers meeting or the Board of Trustees Meeting**
- 9 Announcements and Adjourn**
 - » Kerry Averyt adjourned the meeting approximately at 11:20 AM.

Lake Dunlap WTP / Wells Ranch WTP / Hays Caldwell WTP Usage Report

CRWA Monthly Production, Daily Average and Peak Day									
2025	Lake Dunlap WTP			Wells Ranch WTP			Hays Caldwell WTP		
Date	Total Monthly Production MG	Production Daily Average MG	Production Peak Day MG	Total Monthly Production MG	Production Daily Average MG	Production Peak Day MG	Total Monthly Production MG	Production Daily Average MG	Production Peak Day MG
Jan-25	205.46	6.63	8.94	272.12	8.78	11.10	57.70	1.86	2.16
Feb-25	204.31	7.30	10.32	235.28	8.40	10.04	46.15	1.65	2.07
Mar-25	222.37	7.17	9.14	302.82	9.77	10.92	52.81	1.70	2.11
Apr-25									
May-25									
Jun-25									
Jul-25									
Aug-25									
Sep-25									
Oct-25									
Nov-25									
Dec-25									
YTD	632.14	7.03	10.32	810.23	8.98	11.10	156.66	1.74	2.16

Comments:

Acronyms:

WTP = Water Treatment Plant

MG = Million Gallons

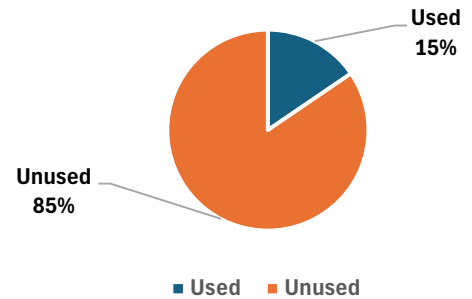
Lake Dunlap WTP / Wells Ranch WTP / Hays Caldwell WTP Usage Report

YEAR 2025 (January thru March)

Lake Dunlap WTP Raw Water Use

	Annual Allocation Acre-feet	YTD Use Acre-feet	Available Acre-feet
GBRA Leased Water	10,575.00	1,618.76	8,956.24
Lake Dunlap Water Rights			
#18-3829	400.00	26.00	374.00
#18-3832-A	44.00	7.52	36.48
#18-3833-B	30.50	30.50	0.00
#18-3834	71.48	15.00	56.48
#18-3834-A	18.52	0.00	18.52
Crystal Clear SUD GBRA Lease	500.00	105.42	394.58
Totals	11,639.50	1,803.20	9,836.30

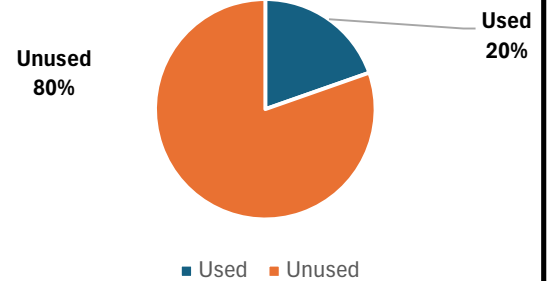
Lake Dunlap Raw Water Use



Wells Ranch WTP Raw Water Use

	Annual Allocation Acre-feet	YTD Use Acre-feet	Available Acre-feet
Guadalupe County			
Carrizo Permit	3,174.68	444.61	2,730.07
Wilcox Permit	3,026.00	711.31	2,314.69
Gonzales County			
Carrizo Permit	8,320.05	1,692.38	6,627.67
Totals	14,520.73	2,848.30	11,672.43

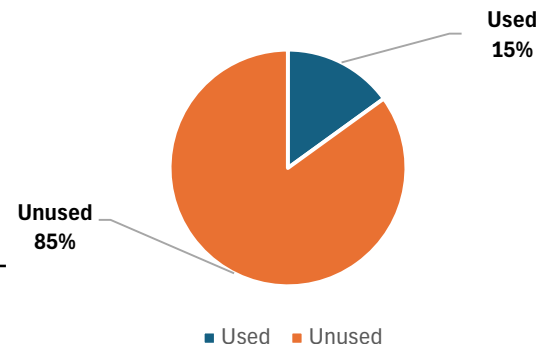
Wells Ranch Raw Water Use



Hays Caldwell WTP Raw Water Use

	Annual Allocation Acre-feet	YTD Use Acre-feet	Available Acre-feet
GBRA Leased Water	2,038.00	437.18	1,600.82
Hays Caldwell Water Rights			
#18-3887	516.16	0.06	516.10
#18-3889-A	24.00	0.00	24.00
#18-3888-A	320.00	49.85	270.15
Martindale			
#18-3887-D	12.00	3.00	9.00
Totals	2,910.16	490.09	2,420.07

Hays Caldwell Raw Water Use

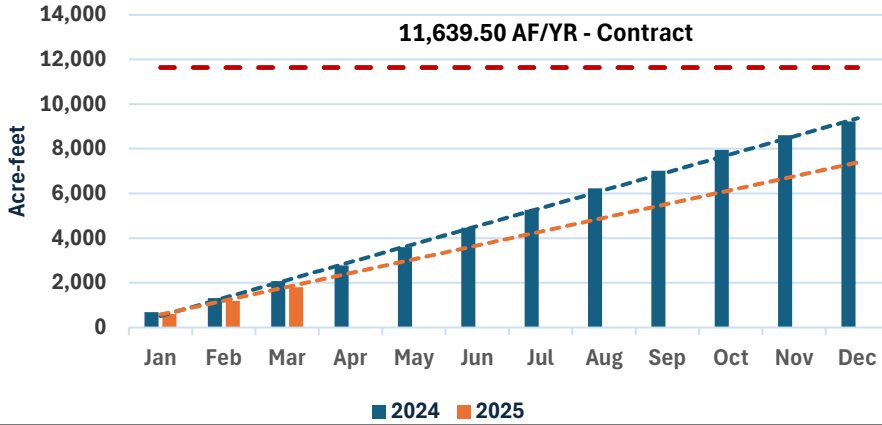


Lake Dunlap WTP / Wells Ranch WTP / Hays Caldwell WTP

Usage Report

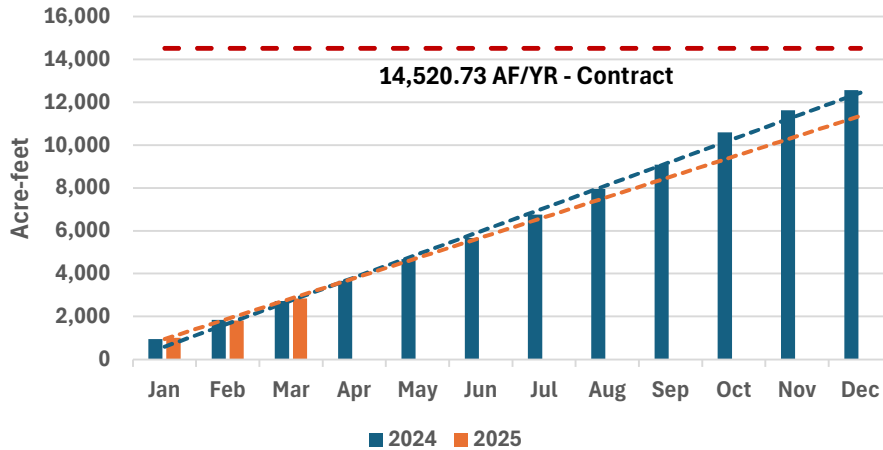
YEAR 2025 (January thru March)

Lake Dunlap - Raw Water Trend



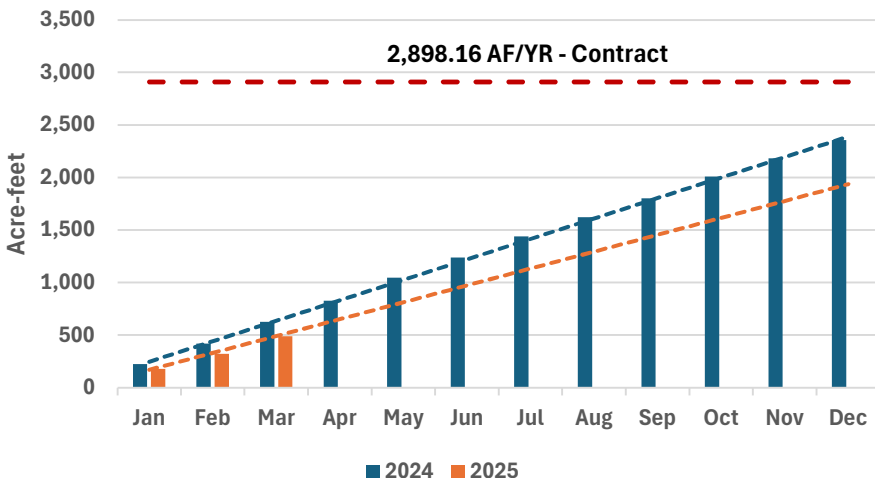
	2024 AF	2025 AF
Jan	681.87	598.97
Feb	638.35	584.44
Mar	748.85	619.79
Apr	702.67	0.00
May	825.62	0.00
Jun	871.83	0.00
Jul	794.57	0.00
Aug	959.87	0.00
Sep	794.76	0.00
Oct	926.11	0.00
Nov	663.00	0.00
Dec	609.59	0.00
Total	9,217.10	1,803.20

Wells Ranch - Raw Water Trend



	2024 AF	2025 AF
Jan	951.91	1,003.17
Feb	894.02	811.60
Mar	876.95	1,033.54
Apr	943.49	0.00
May	1,006.70	0.00
Jun	994.22	0.00
Jul	1,083.23	0.00
Aug	1,192.33	0.00
Sep	1,145.63	0.00
Oct	1,502.44	0.00
Nov	1,038.26	0.00
Dec	933.69	0.00
Total	12,562.89	2,848.30

Hays Caldwell - Raw Water Trend



	2024 AF	2025 AF
Jan	224.91	177.43
Feb	195.07	145.50
Mar	206.16	167.16
Apr	199.93	0.00
May	219.04	0.00
Jun	193.57	0.00
Jul	199.67	0.00
Aug	184.37	0.00
Sep	179.17	0.00
Oct	206.63	0.00
Nov	172.27	0.00
Dec	176.26	0.00
Total	2,357.05	490.09

Lake Dunlap WTP / Wells Ranch WTP / Hays Caldwell WTP Usage Report

YEAR 2025 (January thru March)							
Hays Caldwell Treated Water Monthly Use by Entity							
Treated (Delivered) Water	Month	County Line Acre-feet	Crystal Clear Acre-feet	Martindale Acre-feet	Maxwell Acre-feet	City of San Marcos Acre-feet	Hays Caldwell Total Treated (Delivered) Acre-feet
	Jan-25	40.81	39.78	8.08	89.99	0.00	178.66
	Feb-25	34.55	22.43	8.84	77.24	0.00	143.06
	Mar-25	45.25	20.01	7.25	91.30	0.00	163.81
	Apr-25	0.00	0.00	0.00	0.00	0.00	0.00
	May-25	0.00	0.00	0.00	0.00	0.00	0.00
	Jun-25	0.00	0.00	0.00	0.00	0.00	0.00
	Jul-25	0.00	0.00	0.00	0.00	0.00	0.00
	Aug-25	0.00	0.00	0.00	0.00	0.00	0.00
	Sep-25	0.00	0.00	0.00	0.00	0.00	0.00
	Oct-25	0.00	0.00	0.00	0.00	0.00	0.00
	Nov-25	0.00	0.00	0.00	0.00	0.00	0.00
	Dec-25	0.00	0.00	0.00	0.00	0.00	0.00
	Total Use	120.62	82.22	24.17	258.53	0.00	485.54

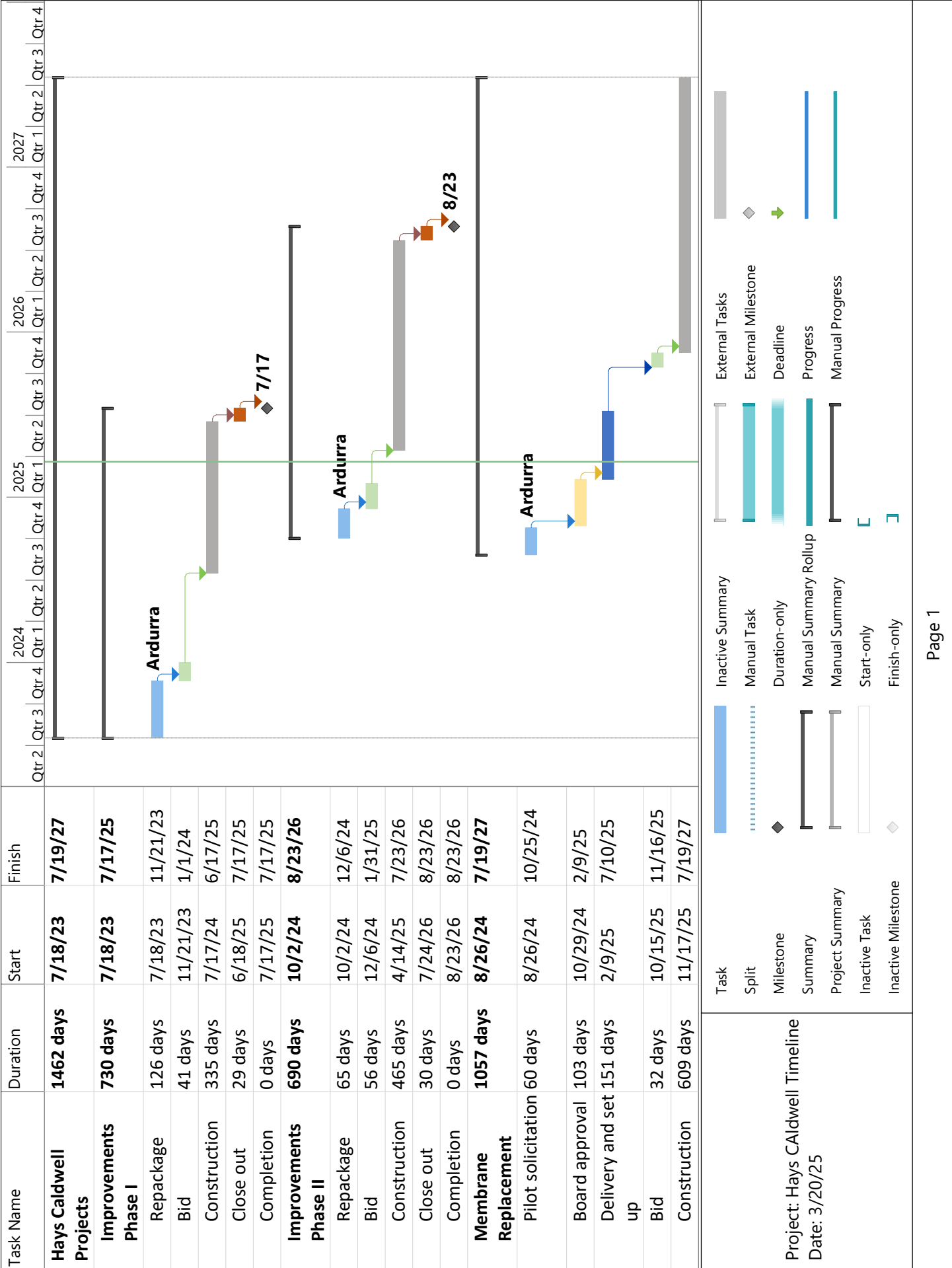
Lake Dunlap / Wells Ranch Treated Water Use by Entity							
Treated (Delivered) Water	Month	East Central Acre-feet	Green Valley Acre-feet	Cibolo Acre-feet	Springs Hill Acre-feet	Crystal Clear Acre-feet	*Lake Dunlap / Wells Ranch Sub-Total (1) Acre-feet
	Jan-25	217.72	339.85	144.91	120.61	85.73	908.82
	Feb-25	215.02	324.00	142.65	92.27	56.34	830.27
	Mar-25	250.87	388.51	187.93	145.90	79.41	1,052.62
	Apr-25	0.00	0.00	0.00	0.00	0.00	0.00
	May-25	0.00	0.00	0.00	0.00	0.00	0.00
	Jun-25	0.00	0.00	0.00	0.00	0.00	0.00
	Jul-25	0.00	0.00	0.00	0.00	0.00	0.00
	Aug-25	0.00	0.00	0.00	0.00	0.00	0.00
	Sep-25	0.00	0.00	0.00	0.00	0.00	0.00
	Oct-25	0.00	0.00	0.00	0.00	0.00	0.00
	Nov-25	0.00	0.00	0.00	0.00	0.00	0.00
	Dec-25	0.00	0.00	0.00	0.00	0.00	0.00
	Total Use	683.60	1,052.36	475.49	358.78	221.48	2,791.71

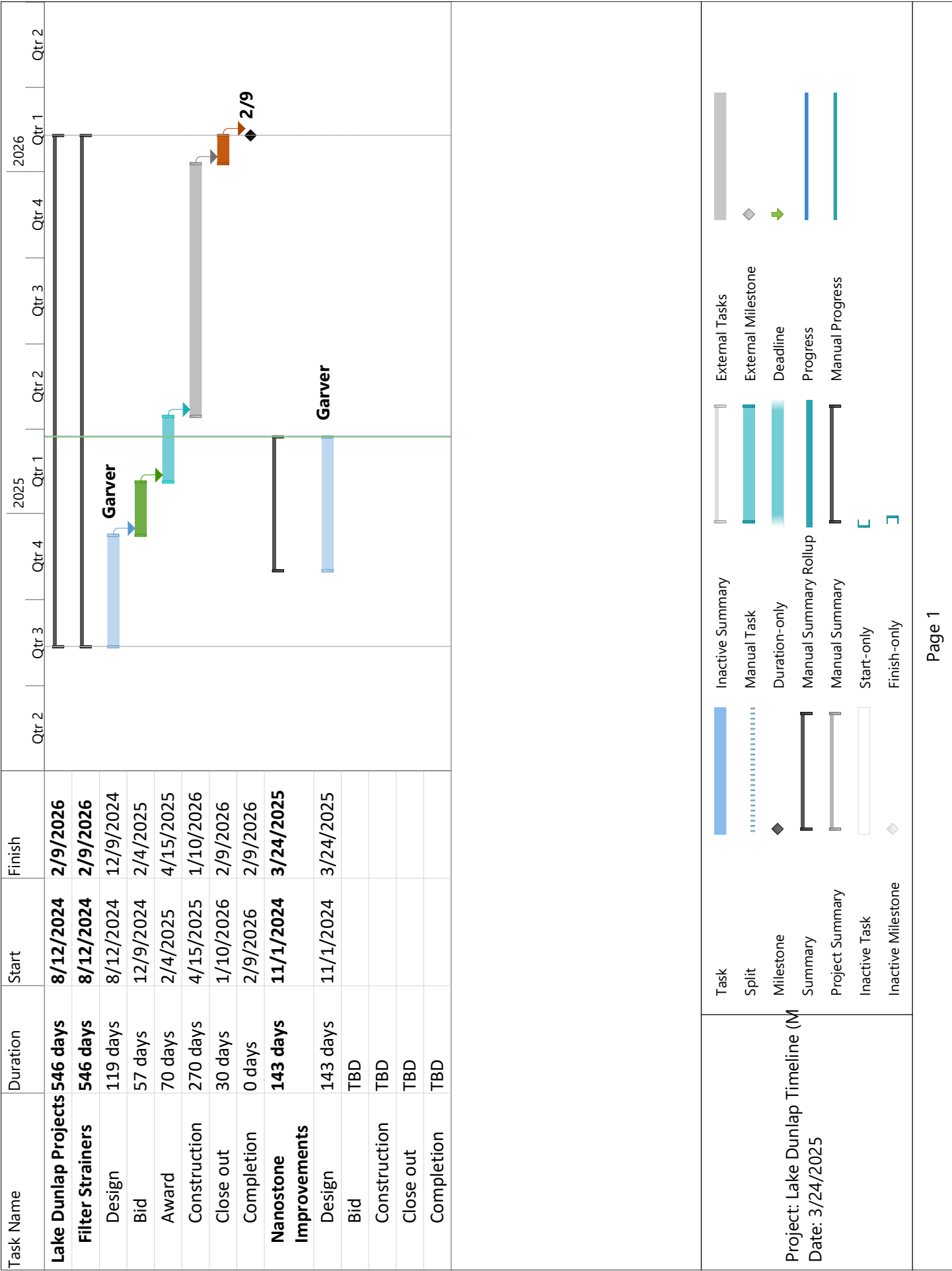
*See next page for Lake Dunlap Wells Ranch Treated Water Use by Entity Total.

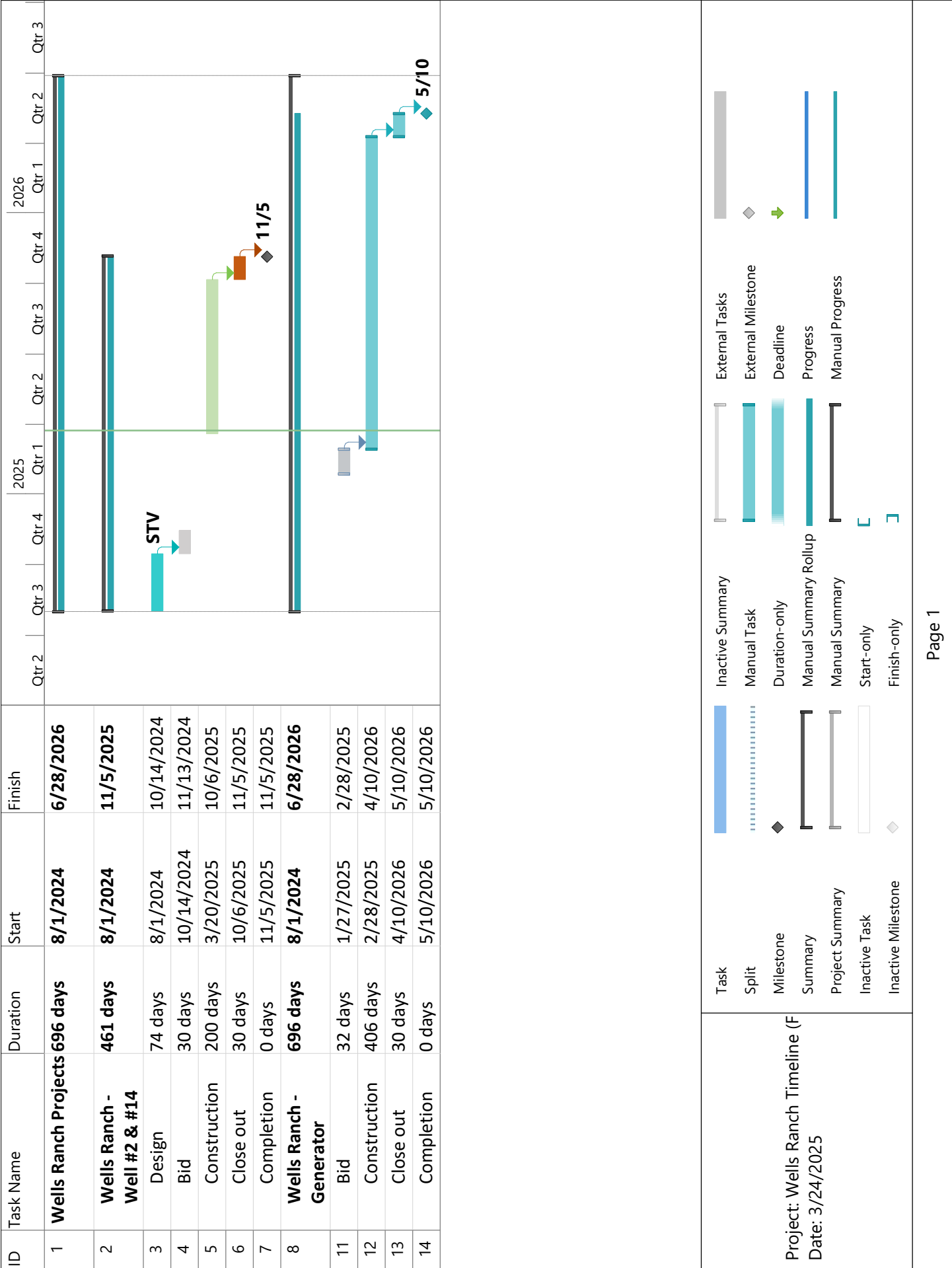
Lake Dunlap WTP / Wells Ranch WTP / Hays Caldwell WTP Usage Report

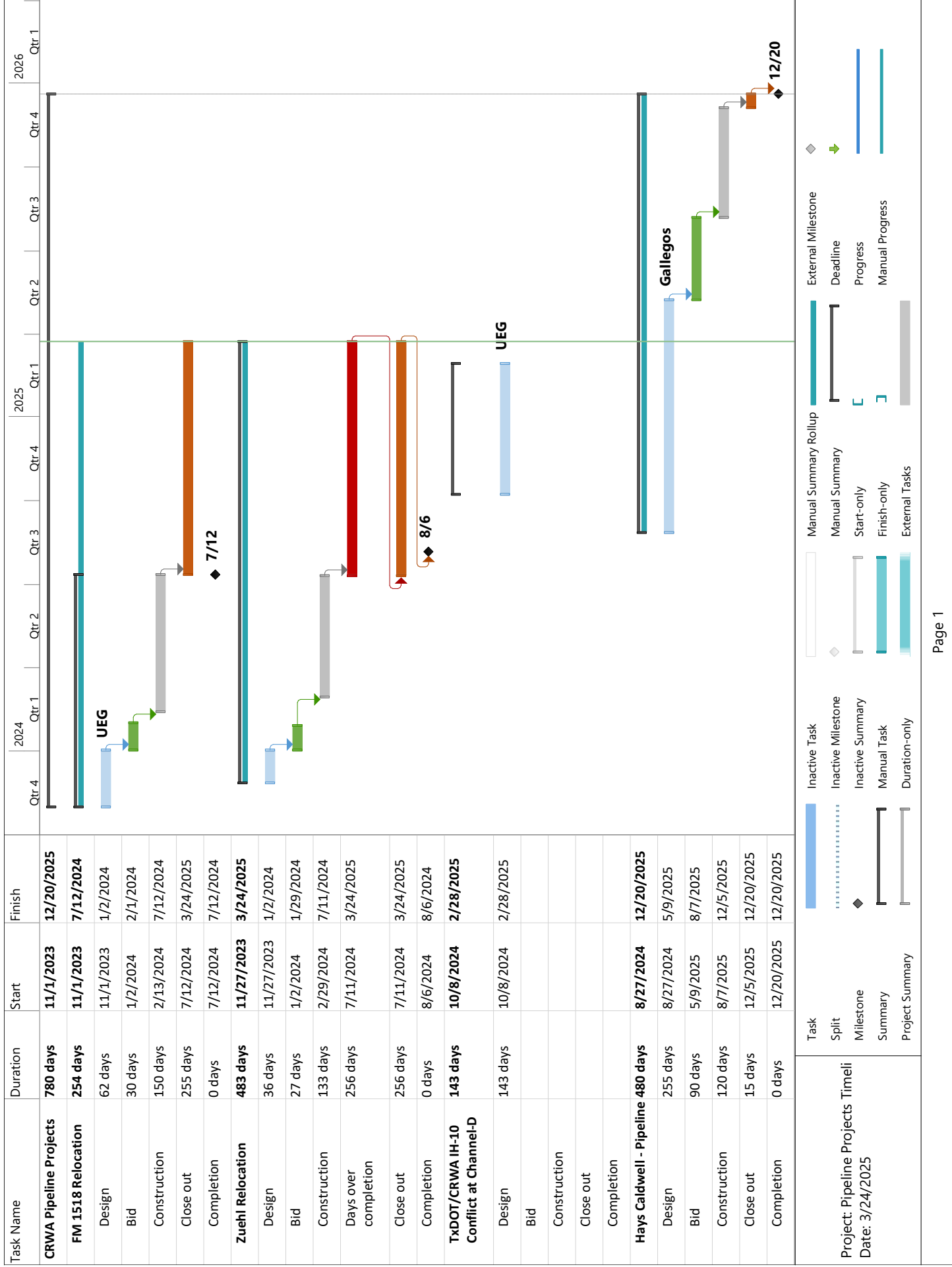
YEAR 2025 (January thru March)							
Lake Dunlap / Wells Ranch Treated Water Monthly Use by Entity							
Treated (Delivered) Water	Month	SAWS Acre-feet	Marion Acre-feet	Converse Acre-feet	**Lake Dunlap / Wells Ranch Sub-Total (2) Acre-feet	*Lake Dunlap / Wells Ranch Sub-Total (1) Acre-feet	Lake Dunlap / Wells Ranch Total Acre-feet
	Jan-25	512.48	12.43	36.41	561.32	908.82	1,470.14
	Feb-25	495.51	9.75	32.15	537.41	830.27	1,367.68
	Mar-25	519.59	11.36	32.74	563.70	1,052.62	1,616.32
	Apr-25	0.00	0.00	0.00	0.00	0.00	0.00
	May-25	0.00	0.00	0.00	0.00	0.00	0.00
	Jun-25	0.00	0.00	0.00	0.00	0.00	0.00
	Jul-25	0.00	0.00	0.00	0.00	0.00	0.00
	Aug-25	0.00	0.00	0.00	0.00	0.00	0.00
	Sep-25	0.00	0.00	0.00	0.00	0.00	0.00
	Oct-25	0.00	0.00	0.00	0.00	0.00	0.00
	Nov-25	0.00	0.00	0.00	0.00	0.00	0.00
	Dec-25	0.00	0.00	0.00	0.00	0.00	0.00
	Total Use	1,527.58	33.55	101.30	1,662.43	2,791.71	4,454.14
*Sub-Total (1) from previous page - East Central, Green Valley, Cibolo, Springs Hill, and Crystal Clear **Sub-Total (2) from current page - SAWS, Marion, and Converse.							
Entity Percentage Use Treated Water							
	Entity	LD/WR/HC Contract Acre-feet	YTD Use Acre-feet	% Used			
	Cibolo	3,210.93	475.49	14.8%			
	Converse	500.00	101.30	20.3%			
	County Line	1,058.00	120.62	11.4%			
	Crystal Clear - LD	1,292.39	221.48	17.1%			
	Crystal Clear - HC	500.00	82.22	16.4%			
	East Central	2,400.00	683.60	28.5%			
	Green Valley	7,455.68	1,052.36	14.1%			
	Marion	300.00	33.55	11.2%			
	Martindale	120.00	24.17	20.1%			
	Maxwell	1,230.00	258.53	21.0%			
	Spring Hill	2,550.00	358.78	14.1%			
	SAWS	6,300.00	1,527.58	24.2%			

[illegible]











PROJECT STATUS REPORTS

PROJECT STATUS REPORT SUMMARY

REPORT DATE

March 19, 2025

PREPARED BY

David Kneuper, P.E. – Utility Engineering Group

TXDOT/CRWA IH-10 (SANTA CLARA & ZUEHL) TRANSMISSION LINE ENCASEMENT STATUS SUMMARY

The project includes the addition of approximately 190 LF of steel split casing on the existing CRWA transmission main at Santa Clara Road and the relocation and encasement of approximately 200 LF of the transmission main at Zuehl Road. The project is required due to the reconstruction of the two intersections by the Texas Department of Transportation (TxDOT) with their IH-10 expansion project.

The project pre-construction meeting was held on 2/27/24. The project Notice-to-Proceed has been issued for 2/29/24, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. The Contractor mobilized to the site and started work on 4/23/24. As of 5/23/24, the Contractor has completed the split casing and pavement restoration work at the Santa Clara intersection.

The project bore and casing pipe installation was completed on 12/10/24. The Contractor is currently waiting for delivery of the HDPE pipe and fittings, as well as coordination with the tie-in sub-contractor, to complete the work at the site. UEG provided a notice to the Contractor on 7/16/24, on 8/29/24, 10/16/24, 1/5/2025, and most recently on 2/25/25, of the final completion date and outlined the requirements for delays in the Contractor's progress as provided in the contract documents. Finally, pipeline connection timing will be dependent on coordination with CRWA on timing of the tie-ins.

The contract amount is currently \$541,424.21, which includes the original bid and approved Change Order's No. 1 and No. 2, all of which are fully reimbursable. A request for reimbursement was submitted to TxDOT on 12/18/24 for a partial project payment in the amount of \$213,969.43.

TXDOT/CRWA FM 1518 TRANSMISSION LINE RELOCATION STATUS SUMMARY

The project includes the offset and bore of a new section of 30-Inch CRWA transmission main, approximately 250 LF, across FM 1518 at the intersection with Lower Seguin Road. The project is required due to the TxDOT widening of FM 1518 and associated drainage improvements.

The project Notice-to-Proceed was issued for 2/13/24, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. UEG prepared and submitted to the Contractor a project work area notice letter for their continued use of adjacent property outside of the identified project construction limits and CRWA easement. A second project work area notice was issued on 6/28/24. UEG provided a notice to the Contractor on 7/15/24, 8/29/24, 10/17/24, 1/6/25,

and most recently on 2/25/25 of the final completion date and outlined the requirements for delays in the Contractor's progress as provided in the contract documents.

All work has been completed on the project except for the establishment of vegetation and restoration of the project site. On 2/28/2025, the Contractor provided CRWA with a letter of acceptance of the revegetation work from the northside easement property owner. A project walk through was held on 10/23/24 and the project substantial completion letter was also provided on 10/23/24.

The current construction contract amount is \$634,121.15 based on Change Order No. 1 (-106,537.24) and Change Order No. 2 (\$9,237.60). A request for reimbursement was submitted to TxDOT on 12/17/24 for a partial project payment in the amount of \$116,553.40.

TXDOT IH-10 CRWA CONFLICT AT CHANNEL D RELOCATION STATUS SUMMARY

The project includes the relocation design of CRWA's existing 30" water transmission main that crosses IH-10, just west of the intersection of Santa Clara Road and IH-35. The existing 30" transmission main was originally constructed with CRWA's IH-10 Bore Crossing Project in 2014. The relocation will include approximately 500 linear feet of 30" transmission main, associated casing pipe, and connections to the existing CRWA 24" concrete pressure pipe (C303) along IH-10 as well as the existing 30" ductile iron main running perpendicular to the highway. This proposed relocation is required due to a conflict with TxDOT's proposed Channel D, along the east bound frontage road at TxDOT centerline STA 15102+70. The proposed drainage improvements are associated with TxDOT's IH-10 expansion project between the Cibolo Creek and Linne Road (TxDOT Project No. CSJ 0025-03-097).

Utility Engineering Group was authorized by CRWA on 10/8/24 to begin work on the project. UEG's survey sub-consultant provided the project existing conditions survey file to UEG on 1/2/25. UEG finalized and submitted the preliminary relocation plan set and project cost estimate to CRWA for review on 2/28/25. Once comments are received, UEG will finalize the relocation plans and TxDOT Standard Agreement - Supplemental Agreement for TxDOT review.



GALLEGOS ENGINEERING, INC.

Firm No. F-003084

P.O. BOX 690067
SAN ANTONIO, TEXAS 78269

210-641-0812 PH

MARCH 2025 MONTHLY REPORT

DATE: March 19, 2025

TO: Kerry Averyt, General Manager
Canyon Regional Water Authority

FROM: Richard M. Gallegos, P.E.
President, Gallegos Engineering, Inc.

SUBJECT: Hays/Caldwell Reedville 12" Pipeline, PHASE 1

Since the last update, we have continued working on the contract specifications including the technical specifications and should have them complete by April 9, 2025. The delay has been adding the measurement and payment sections to the CRWA specifications and the possibility of an easement/alignment modification. We have added days to the award of contract/contractor to hold bids from 45 days to 90 days per CRWA direction.

Once the specifications are complete, we are ready to bid and advertise by mid-April for a May 6, 2025 bid opening at CRWA.

At the time of this memo the overall project is currently has a December 20, 2025 completion date where originally the project was set to be complete by October 6, 2025.



13750 San Pedro Ave.
Suite 350
San Antonio, TX 78232
TEL 210.447.6250
www.GarverUSA.com

Canyon Regional Water Authority Lake Dunlap WTP Improvements

To: Kerry Averyt, PE
General Manager
Canyon Regional Water Authority

From: Greg Swoboda, PE

Date: March 20, 2025

RE: Lake Dunlap WTP Imp Project
Project Status Report

Below is a status update for the Lake Dunlap WTP Improvements.

Strainer Improvements

1. Garver incorporated CRWA comments into a 100% design package.
2. Contractor outreach was conducted prior to advertising the project.
3. Garver delivered the 100% design/bid documents and uploaded to CivCast on 12/9/24.
4. A non-mandatory pre-bid meeting was held on 12/17/24.
5. Five (5) general contractors attended the pre-bid meeting.
6. Garver issued Addendum No. 1 on 12/19/24.
7. Garver issued Addendum No. 2 on 1/8/25 (to change bid date).
8. Garver issued Addendum No. 3 on 1/21/25
9. Proposal opening (for Competitive Sealed Proposal) took place on 2/4/25.
10. Three (3) proposals were received.
11. Preliminary evaluation (ranking) of proposals has been conducted.
12. Provided Draft Recommendation for best value proposer.
13. Conducted discussion with CRWA and with best value proposer.
14. Upcoming Work
 - a. Negotiate satisfactory contract with proposer.
 - b. Plan for Trustees Board Award.
 - c. Plan for Project Notice to Proceed.

Membrane Improvements

1. Scope of work and fee being finalized with CRWA.
2. Planned scope of work includes.
 - a. Topographic survey.
 - b. Membrane improvements evaluation for consideration for 14.4 to 16.0 mgd.
 - c. Tank rehabilitation work package.
 - d. Pre-treatment evaluation.
 - i. Clarifier and plate/tube settler evaluation.
 - ii. Ozone relocation.
 - iii. Coagulant evaluation.
 - iv. TTHM Evaluation
 - v. TCEQ BIN Classification Support
 - e. Membrane improvements design-preliminary and final.
 - i. Membrane skids.
 - ii. Membrane feed pumps.
 - iii. Membrane backwash pump and yard piping.
 - iv. Backwash plant drain system.
 - v. Electrical and I&C improvements.
 - vi. Correspondence with TCEQ.
 - vii. OPCC
 - f. Bid phase services.
 - g. Construction phase services.

Xc: David McMullen, CRWA
Adam Telfer, CRWA
Bobby Rodriguez, CRWA
Buddy Boysen, Garver



CANYON REGIONAL WATER AUTHORITY

Hays Caldwell Water Treatment Plant Improvements | Project Update, 3/25/2025



Project Updates

HC WTP Facility Improvements:

- Phase 1 Construction Status
 - Received 77 submittals and 74 have been reviewed and returned.
 - Received 6 RFIs and all have been reviewed and returned.
 - Attended monthly construction meetings.
 - Reviewed and processed pay applications.

Project Updates

HC WTP Facility Improvements:

- Phase 2 Improvements Bidding Schedule
 - Received two bid proposals on Jan 31, 2025 from Keeley Construction and Keystone Construction.
 - Bid review was complete by Ardurra and Ardurra provided a bid proposal review letter on February 24, 2025, pending final decision from CRWA.

Project Updates

HC WTP Membrane Replacement Project:

- Pilot agreements have been executed with three vendors: Pall, Memcor, and H2O/Toray.
- All three have a pilot skid ready for the project.
- Coordinate with CRWA on set up (feed tanks, power, etc.)

Project Updates

Wells Ranch II Emergency Generator Improvements:

- Bid opening was on 2/28/2025.
- Received two bid proposals from Taknek and Weifield group Contracting Texas.
- Ardurra completed the review and submitted the recommendation letter to CRWA on March 7, 2025.

Project Updates

TWDB DWSRF Application:

- Project Information Form (PIF) submitted on March 1, 2024.
- Two separate PIFs, one for HC WTP Expansion (Phase 2 +Membrane), and one for Pipeline.
- Both projects are on TWDB Intended Use Plan list.

OLD MARTINDALE ROAD



Questions?

Project Status Report to Canyon Regional Water Authority

Reporting Date: March 20th, 2025

Project Name: Hays / Caldwell Water Treatment Plant Improvements, Phase 1

Project Manager: Stanley Fees, P.E. **Lead Technical Professional:** Christopher Weeks, P.E.

Construction Administrator: Cobb, Fendley & Associates, Inc.

Design Consultant: Ardurra Group, Inc.

General Contractor: DN Tanks, L.L.C.

Overall Scope of Work on this Project:

1. Construct one new 1.0 MG post-tensioned concrete Finished Water Ground Storage Tank.
2. Provide site grading; drainage swales; driveway culverts; a bio-retention cell with associated piping and vegetation; chain link fencing with gates; and site restoration.
3. Install yard piping modifications and improvements.
4. Construct driveway and roadway improvements.
5. Provide miscellaneous civil site improvements including site demolition, erosion control, and concrete foundations.
6. Provide miscellaneous electrical and instrumentation / controls improvements at the WTP.

Construction Schedule:

The General Contractor's Schedule for Construction of the Ground Storage Tank and associated appurtenances is provided for review as **Attachment No. 1A** to this Project Status Report. It was updated by the Contractor on March 19th, 2025. Additionally, a "Three-Week Look Ahead Schedule" that was issued by the Contractor on March 17th, 2025, is provided for review as **Attachment No. 1B** to this Project Status Report.

Completed Work Items To-Date (General):

- Poured concrete in Wall Panel Slots and Roof Dome Rings.
- Applied Shotcrete to Core Wall and Wire Cover.
- Closed and secured the Temporary Opening for access to Tank Interior Space.
- Poured Cove within the Tank Interior Space.
- Installed all Stress Plates at openings within Tank Structure.
- Completed application of Shotcrete Finish Coat on all exterior surfaces of Tank.
- Completed grinding of exterior Wall and Roof surfaces for smooth finish.
- Applied protective coating on all exterior surfaces of Tank Structure.
- Installed brackets on Riser Pipe within Tank Interior Space.

Near-Term Scheduled Work Items (General):

- Complete installation of all Tank Appurtenances (Interior and Exterior Ladders; Tank Vent; Top Access Hatch Door; Handrail at Access Hatch).
- Demobilize DN Tanks personnel and equipment; Remobilize Keeley Construction personnel and equipment.

Summary of Geotechnical Testing and Concrete Strength Analysis completed To-Date:

Concrete cylinder compressive strength values for the Tank Foundation, Wall Panels, and Roof Dome Panels that were tested at 7-day and 14-day intervals are provided within a tabular format for review as **Attachment No. 2** to this Project Status Report.

Summary of Notes from Field Inspections completed To-Date:

- Contractor sprayed Shotcrete on Exterior of Tank Wall.
 - Contractor wrapped Dome Ring Wire at top and bottom of Tank Exterior, then sprayed Shotcrete over the Dome Ring Wire top and bottom.
 - Contractor sprayed entire Tank Exterior Wire-Wrapped Wall with Shotcrete.
 - Contractor poured concrete in Cove Joint at bottom of Tank Interior Wall; closed Temporary Opening.
 - Contractor completed grinding of Dome Ring and Walls to smooth them out. Installed wire mesh around permanent openings on Tank Exterior.
 - Contractor sprayed Shotcrete Cover Coat on exterior of Tank including Dome Ring, lower third of Wall, and both permanent openings.
-

Site Photos of Work Items completed To-Date:

The Site Photos of work items completed for construction of the Ground Storage Tank and associated appurtenances since the last reporting period are provided within a group for review as **Attachment No. 3** to this Project Status Report.

Monthly Construction Progress Meeting:

Construction Progress Meeting No. 05 was held virtually on March 13th, 2025, as an MS Teams Meeting. A copy of the Minutes from that meeting is provided for review as **Attachment No. 4** to this Project Status Report.

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish
1 - Administrative/ Submittals/ Engineering							
A2820	Administrative - Subcontracts Contract Preparation/ Execution	363	155	17-Jul-24A	21-Oct-25	17-Jul-24	
A2830	Contract Duration: 365 Days	30	C	17-Jul-24A	01-Oct-24A	17-Jul-24	01-Oct-24
A2840	Contractual Final Completion 7/16/2025	365	217	17-Jul-24A	21-Oct-25	17-Jul-24	
A2840		0	C		16-Jul-25*		
A3430	Contractual Substantial Completion Date 08/16/2025	0	C		16-Jun-25*		
A2850	Notice to Proceed	0	C	17-Jul-24A		17-Jul-24	
A3230	Obtain FAA Permit	24	C	17-Jul-24A	06-Aug-24A	17-Jul-24	06-Aug-24
A2830	Obtain SWPPP Permit	30	C	23-Aug-24A	23-Aug-24A	23-Aug-24	23-Aug-24
A3170	Projected Final Completion	0	C		15-Aug-25		
A3440	Projected Substantial Completion	0	C		30-Jun-25		
A3180	Punchlist	22	22	05-Jun-25	16-Jul-25		
A2210	Tank Final Design Submittal	30	C	01-Aug-24A	03-Oct-24A	01-Aug-24	03-Oct-24
A2220	Tank Final Design Submittal Review/Approval	12	C	04-Oct-24A	22-Oct-24A	04-Oct-24	22-Oct-24
2 - Procurement							
A2230	Kesley Procure Tank Under-slab/ Yard Pipe	128	20	23-Sep-24A	22-Apr-25	23-Sep-24	
A3420	Kesley Procure Valves	60	C	23-Sep-24A	09-Dec-24A	23-Sep-24	09-Dec-24
		128	20	08-Oct-24A	22-Apr-25	08-Oct-24	
3 - Site Work							
A3330	Concrete Pavement at Gate	160	84	26-Aug-24A	15-Aug-25	26-Aug-24	
A3320	CRWA-EQ	8	8	29-Apr-25	13-May-25		
A3280	CRWA-TW-A1	4	4	29-May-25	04-Jun-25		
A3290	CRWA-TW-A2	8	8	23-Apr-25	06-May-25		
A3300	CRWA-TW-B1	4	4	07-May-25	13-May-25		
A3310	CRWA-TW-B2	6	6	14-May-25	22-May-25		
A3210	Establish Vegetation	2	2	23-May-25	28-May-25		
A3340	Gravel Pavement	13	13	24-Jul-25	15-Aug-25		
A3190	Hydroseeding	8	8	05-Jun-25	18-Jun-25		
A2960	Install / Grade Leveling Base	2	2	21-Jul-25	24-Jul-25		
A1900	Install GST Laydown / Casting / Winding Track	5	C	14-Sep-24A	23-Dec-24A	14-Sep-24	23-Dec-24
A2870	Install Overflow Structure & Rip Rap Channel	10	C	17-Sep-24A	20-Sep-24A	17-Sep-24	20-Sep-24
A3220	Install Select Fill	10	10	12-Jun-25	30-Jun-25		
A2770	Install SWPPP	10	C	12-Sep-24A	13-Sep-24A	12-Sep-24	13-Sep-24
A3370	Install Under-slab Piping	4	C	26-Aug-24A	26-Aug-24A	26-Aug-24	26-Aug-24
A3400	Remove & Re-Compact 3'-0" of Native Soil	5	C	20-Nov-24A	12-Dec-24A	20-Nov-24	12-Dec-24
A3380	Remove Existing Fence	8	C	04-Sep-24A	11-Sep-24A	04-Sep-24	11-Sep-24
A3390	Remove Existing H/MAC	2	C	26-Aug-24A	27-Aug-24A	26-Aug-24	27-Aug-24
A3350	Remove Existing Pavement Drive	2	2	25-Mar-25	26-Mar-25		
A3360	Remove Existing Trees	8	8	27-Mar-25	09-Apr-25		
A2900	Site Restoration	3	3	19-Mar-25	24-Mar-25		
A3410	Tank Backfill	8	8	30-Jun-25	16-Jul-25		
A2880	Tank Excavation to Subgrade	4	4	05-Jun-25	11-Jun-25		
A3200	Temp Irrigation Install	10	C	30-Aug-24A	03-Sep-24A	30-Aug-24	03-Sep-24
		2	2	16-Jul-25	21-Jul-25		
4 - Tank Construction							
A1170	Build Casting Beds	96	52	06-Dec-24A	18-Jun-25	06-Dec-24	
A3070	Disinfect/Fill & Leak Test Tank	4	C	16-Dec-24A	20-Dec-24A	16-Dec-24	20-Dec-24
A1140	DN Tanks Mobilize & Setup Jobsite	8	8	05-Jun-25	18-Jun-25		
A1250	Erect Wall & Dome Panels	3	C	06-Dec-24A	14-Dec-24A	06-Dec-24	14-Dec-24
A1260	Erect Wall Slots	4	C	05-Feb-25A	07-Feb-25A	05-Feb-25	07-Feb-25
		2	C	10-Feb-25A	10-Feb-25A	10-Feb-25	10-Feb-25
A1230	Form/Pour/Strip Wall & Dome Panels	10	C	14-Jan-25A	28-Jan-25A	14-Jan-25	28-Jan-25

		Date	Revision	Checked	Approved
		20-Jan-25	Baseline Schedule 02/27/2025		

Job Name: San Marcos, TX (CRWA)

DN Tanks = GC

VP/CM: Jason Phillippi

Job Number: 20213-122

PM: Rey Moreno

Tank Size: 1.0 MG

ID: 85

SWD: 24.5

PE: Preston Sidwell

Super: Don Fugate

PA: Yamil Rayo

Substantial: 6/22/2025

Completion Date: 7/16/2025

		THA REQUIRED	3/17	3/18	3/19	3/20	3/21	3/22	EST. COMP. DATE
			MON	TUE	WED	THU	FRI	SAT	
Tamms 1/install brackets on inlet riser	Tammseal - Tammscoat installation	6							
Tamms 2/pressure wash equipment/start demob process	Tammseal - Tammscoat installation		6						
Appurtenances	Misc. metal installation			6					
Appurtenances/pressure wash equipment	Misc. metal installation				5				
Appurtenances/Walk -Through with owner and engineer	Misc. metal installation					5			
Walk Through with owner and engineer @ 1:00pm						X			
Keeley on site					X	X			
CREW TOTALS EACH WORKING DAY			6	6	6	5	5	0	
DESCRIPTION OF WORK - 1 WEEK LOOK AHEAD		THA REQUIRED	3/24	3/25	3/26	3/27	3/28	3/29	EST. COMP. DATE
			MON	TUE	WED	THU	FRI	SAT	
Pressure wash Equipment/load out	Demobilization	4							
Load out/Demob	Demobilization		2						
Keeley on site	Power industrial trucks	X	X	X	X	X			
CREW TOTALS EACH WORKING DAY			4	2	0	0	0	0	
DESCRIPTION OF WORK - 2 WEEK LOOK AHEAD		THA REQUIRED	3/31	4/1	4/2	4/3	4/4	4/5	EST. COMP. DATE
			MON	TUE	WED	THU	FRI	SAT	
Keeley on site	Power industrial trucks	X	X	X	X	X			
CREW TOTALS EACH WORKING DAY			0	0	0	0	0	0	
Note : Will need crane on site to remove push lifts from inside Tank /Install - Interior ladder and vent.. @ 9:00									
A.P.S.P	Housekeeping	DATE	3/17	Safety Inspection	DATE	3/18	Emergency Evacuations & Rescue Process	DATE	3/20
QC HUDDLES	Painting	DATE	3/12	Install Accessories	DATE	3/14		DATE	
PHOTOS TAKEN	QC PHOTOS	DATE		RENTAL EQUIPMENT	DATE		MISC. PHOTOS	DATE	
	Wall Slots Photos on	12/16							
DELIVERIES								DATE	
	over flow flap valve	??							
EQUIPMENT	RENTAL	DATE		RENTAL	DATE		MISC. EQUIPMENT	DATE	
TRAINING / MANPOWER NOTES									
MANPOWER	FRIDAY'S CREW SIZE:	0	Crew Size						
		0	Carpenter	6	0	Laborer			
TANK MILESTONES	MILESTONE (REQUIRED)	DATE:	DAYS:	MILESTONE (REQUIRED)	DATE:	DAYS:	MILESTONE (REQUIRED)	DATE:	DAYS:
	Start Tamms	3/17	4b	Complete Tamms	3/18	4b	Tamms	3/17	4b
	MILESTONE	DATE:	DAYS:	MILESTONE	DATE:	DAYS:	MILESTONE	DATE:	DAYS:
	Start Appurtenances	3/19	4b	Complete Appurtenances	3/21	4b	Demob	3/25	4b

Christopher Weeks

From: Sidwell, Preston <preston.sidwell@dntanks.com>
Sent: Wednesday, March 5, 2025 10:57 AM
To: Christopher Weeks
Cc: Moreno, Reynaldo; Fugate, Don
Subject: DN Tanks - Concrete Break Summary Clarification - San Marcos, TX (CRWA)
Attachments: San Marcos, TX (CRWA) - Panel Break Summary.pdf

Good morning,

Sorry for the delay getting this information over to you.

Attached you will find the concrete break summary document that was previously provided.

This document accounts for all panels that were poured on site. All panels met the required strength for panel erection. This is denoted by the green boxes that are populated with concrete strength in PSI.

The red boxes are not missing any information, they are just blocks that do not have break information input because there was not a panel poured in that bed for that respective lift, therefore there is not a condition met and the block shows up as red.

All panels that were poured and erected on this project are represented in this break report.

In the coming days we will be receiving the 28-day break reports and will update this document to show the final strengths.

If you have any questions, don't hesitate to reach out.

Thanks,

Preston Sidwell

Project Engineer

214.970.5215 Phone
410 E. Trinity Blvd, Grand Prairie, Texas 75050
www.dntanks.com



BUILT
FOR THE FUTURE

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San Marcos, TX (CRWA) - 1.0 MG Water Storage Tank

Concrete Test / Panel Summary

Panel			Lift															
Type	Req'd. Pick Strength	Min. Pick Strength	1		2		3		4		5		6		7		8	
WALL A	3000	2500	14-day	4760	14-day	4410	7-day	3670	7-day	3470	7-day	3920	7-day	3850				
			1/14		1/15		1/16		1/17		1/23		1/24					
WALL A	3000	2500	14-day	4410	14-day	4410	7-day	3670	7-day	3470	7-day	3920	7-day	3590				
			1/14		1/15		1/16		1/17		1/23		1/27					
WALL A	3000	2500	14-day	4450	14-day	4410	7-day	3670	7-day	3470								
			1/14		1/15		1/16		1/17									
WALL C	3000	2500	7-day	5040														
			1/27															
D1A	3300	2900	14-day	4410	14-day	4880	7-day	3670	7-day	3470	7-day	3920	7-day	3850	7-day	3590	3-day	4850
			1/14		1/15		1/16		1/17		1/23		1/24		1/27		1/29	
D2A	3000	2600	14-day	4410	14-day	4630	7-day	3670	7-day	3470	7-day	3920	7-day	3850	7-day	3590	3-day	4850
			1/14		1/15		1/16		1/17		1/23		1/24		1/27		1/29	
D2B	3000	2600	14-day	4450	14-day	4410	7-day	3670	7-day	3470	7-day	4610	7-day	5040	7-day	3590	3-day	4850
			1/14		1/15		1/16		1/17		1/23		1/24		1/27		1/29	
D3A	3000	2500	14-day	4450	14-day	4630	7-day	3670	7-day	3470	7-day	4610	7-day	5040	7-day	3590	3-day	4850
			1/14		1/15		1/16		1/17		1/23		1/24		1/27		1/29	
D3B	3000	2500	14-day	4760	14-day	4410	7-day	3670	7-day	3470	7-day	3920	7-day	4840	7-day	3590	3-day	4850
			1/14		1/15		1/16		1/17		1/23		1/24		1/27		1/29	
D3C	3000	2500	14-day	4760	14-day	4410	7-day	3670	7-day	3470	7-day	3920	7-day	4840	7-day	3590	3-day	4850
			1/14		1/15		1/16		1/17		1/23		1/24		1/27		1/29	

JOB NUMBER:		2023-122		Concrete Supplier:		Testing Lab:		Engineer:	
14		DAY FLOOR STRENGTH		4265		Atlas Technical		Ardurra	
				3500 Yarrington Rd		3989 Highway 290 E		7500 Rialto Blvd, Bldg 1, Suite 240	
				San Marcos, TX 78666		Dripping Springs, TX 78620		Austin, TX 78735	
				210-399-3720		512-858-2993		512-381-8333	
				0		0		0	



Wire Winding Machine at Top
of Tank



Wire Winding Machine (Close Up View)



Wire Spacing Guide at Side of Tank





Shotcrete Sample for
Compressive Strength Testing



Wire Winding Trailer for
Lower Wall of Tank



Elevated View of Wire Winding Operations



Closure of Temporary
Opening in Tank Wall



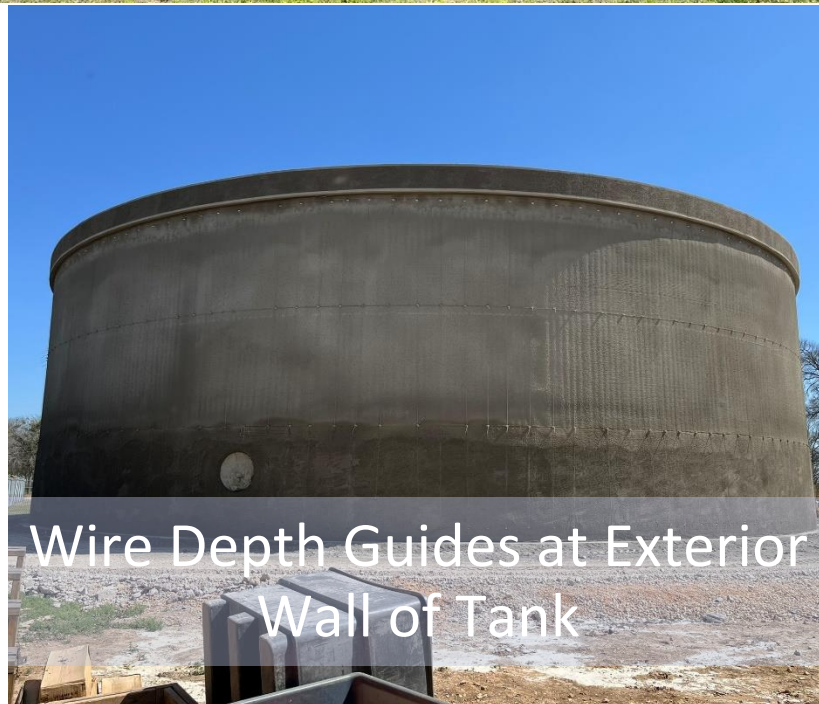
Forms Set to Pour Cove at
Interior Wall of Tank



Sealing T.O. at Interior Wall of Tank



Shotcrete Covering of Wire at
Exterior Wall of Tank



Wire Depth Guides at Exterior
Wall of Tank



Final Layer of Shotcrete Applied
to Exterior Wall of Tank



Protective Coating Applied to
Exterior Wall of Tank



Wall Support Pads for Attachment
of Exterior Ladder Assembly



Fittings for Tank Drain and
Overflow Outlet



Tank Floor Cleanup



Interior Ladder Ready for
Installation



Cove at Interface of Tank Wall
and Floor Structures



Tank Exterior Coating Product
(TAMMSCOAT)

Hays Caldwell WTP Improvements Project – Phase 1 (1.0 MG Ground Storage Tank and Appurtenances)

Construction Progress Meeting No. 05 Minutes

March 13th, 2025 – 9:00 AM Virtual Meeting with MS Teams

1. Attendance Sign-In Sheet

- A Virtual Attendance Sign-In Sheet for Construction Progress Meeting No. 05 is attached to this document.

2. Review and Comment on Previous Construction Progress Meeting Minutes

- The minutes from the previous construction progress meeting were reviewed. No additional comments on, or revisions to, the minutes from the previous construction progress meeting were noted.

3. General Issues / Announcements

- None were noted.

4. Construction Progress Since Last Monthly Meeting

- Poured concrete in Wall Panel Slots and Roof Dome Rings.
- Stripped forms from Wall Panel Slots and Roof Dome Rings.
- Applied Shotcrete to core wall and wire cover.
- Removed shoring and wall braces from within Tank Interior Space.
- Closed and secured the Temporary Opening for access to Tank Interior Space.

5. Three Week Look-Ahead Construction Plan

- Pour and strip forms from Cove within Tank Interior Space.
- Complete winding of prestressed wire at Tank Exterior.
- Install all stress plates.
- Complete application of Shotcrete Finish Coat in preparation for Painting of Tank Exterior.
- Grind the Wall Panels and Roof Dome for smooth finish.
- Paint all exterior surfaces of Ground Storage Tank Structure.
- Install brackets on Riser Pipe; install Appurtenances.
- Pressure wash all construction equipment.
- Begin Site Cleanup and demobilization process.
- Tentatively set Walk-Through Inspection of Tank for March 21st at 1 p.m. (DN Tanks will issue Invitation for Inspection Meeting at the jobsite).

6. Overall Construction Schedule Overview

- Used 239 days of 365 days Contract time, which equates to 65.5%.
- NTP: July 17th, 2024.
- Contract Substantial Completion Date: June 16th, 2025.
- Scheduled Contract Final Completion Date: July 16th, 2025.
- Projected Contract Final Completion Date: August 7th, 2025.
- The DN Tanks Project Manager will provide an updated Construction Progress

Schedule to CobbFendley for review. DN Tanks is scheduled to meet with their Subcontractors to determine their Scope and Time Allotments.

- DN Tanks wants to coordinate with CRWA (David McMullen) for timeline to fill Tank with water; they also want to coordinate with CRWA and Subcontractors to discuss and plan for piping tie-in activities at the Water Treatment Plant.
- Perimeter fence installation will begin after backfilling and dirt work items are completed to a point where the location of the fence will not be affected. The goal is to have the fence installed when the new Tank is ready to be placed on-line. Temporary security fence is in place. DN Tanks will review the Contract to determine the scope limits for fence work; they will send CRWA (David McMullen) the Fence Contractor's contact information.
- A copy of the Three-Week Look Ahead Schedule as provided by DN Tanks to CobbFendley is attached to these Minutes for review and consideration.

7. Quality Control

- Wall Panel, Roof Panel, and Foundation Floor compressive strength cylinder break summary table will be updated by DN Tanks (Preston Sidwell) to reflect results of breaks at 7, 14, and 28-days. To-date, all cylinders have met the minimum compressive strength requirements.

8. Submittals

- Currently, the Design Engineer (Ardurra) has received 74 Submittal Documents, and returned 73 of those documents back to the Contractor.
- 1 Submittal Document (Expansion Joint) is pending review and grading by the Design Engineer.
- A copy of the most current Submittal Review Log as provided by Ardurra to CobbFendley is attached to these Minutes for review and consideration.

9. RFIs / Contract Clarifications

- To date, 6 total RFIs have been received. 0 RFIs currently are under review.
- No pending RFIs were identified at this time by DN Tanks.
- A copy of the most current RFI Review Log as provided by Ardurra to CobbFendley is attached to these Minutes for review and consideration.

10. Contract Modifications and Change Orders

- To date, no Contract Modifications have been identified / executed.
- Currently, no Contract Modifications or Change Orders are tentative or pending.

11. Pay Applications

- Pay Application No. 4: Approved by CRWA on March 5th for payment to DN Tanks.
- Pay Application No. 5: CobbFendley is awaiting receipt of Invoices / Purchase Orders to substantiate amount requested by DN Tanks on Bid Item No. 3010. DN Tanks noted that all valves are verified to be on-site for pending installation.
- Pay Application No. 6: RHSI has reviewed the Application and is in agreement with all the completion percentage values claimed by DN Tanks.

12. Safety / Security Issues

- No safety incidents or "near misses" have occurred at the jobsite since the date of the last Construction Progress Meeting.
- The security fence on the northwest side of the jobsite was downed due to heavy winds in the area but was put back up quickly to secure the perimeter of the construction area.
- Protective netting to shield the adjacent existing GST from shotcrete "overspray" remained in place during the heavy winds in the area.
- No breaches of Site Security were reported.

13. Risk Management

- No new or existing risks were identified other than the weather.

14. Problem, Conflicts, or Claims of Changed Conditions

- No problems, conflicts, or claims were identified.

15. As-Builts / Close Out Items

- A reminder was given that “Red Line” markups, and an updated Construction Progress Schedule need to be submitted with the Pay Requests so that the Design Engineer can approve the pending Pay Applications and can start developing the Project Record Drawings. DN Tanks confirmed that they will submit those to the Design Engineer.

16. Action Items/ Open Discussion

- No additional items were discussed.

17. Adjournment

- The meeting was adjourned at approximately 9:35 AM.
- **Next Scheduled Meeting – April 10th, 2025**



Hays Caldwell WTP Improvements Project – Phase 1 (1.0 MG Ground Storage Tank and Appurtenances)

Construction Progress Meeting No. 05

March 13th, 2025

SIGN-IN SHEET

PRINTED NAME	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE (IF IN ATTENDANCE)
1.Christopher Weeks	CobbFendley	(512) 834-4335	Christopher.Weeks@cobbfendley.com	Virtual Attendee
2.Jason Phillippi	DN Tanks	(817) 475-5267	Jason.phillippi@dn tanks.com	Virtual Attendee
3.Preston Sidwell	DN Tanks	(214) 970-5215	Preston.sidwell@dn tanks.com	Virtual Attendee
4.Rey Moreno	DN Tanks	(469) 625-8038	Reynaldo.moreno@dn tanks.com	Virtual Attendee
5.Don Fugate	DN Tanks	(781) 557-8533	Don.fugate@dn tanks.com	Virtual Attendee
6.Yue Sun	Ardurra	(713) 208-9463	ysun@ardurra.com	Virtual Attendee
7.Celine Nicolas	Ardurra	(832) 419-6658	cnicolas@ardurra.com	Virtual Attendee
8.David McMullen	CRWA	(512) 581-8544	mcmullen@crwa.com	Virtual Attendee
9.Bobby Rodriguez	CRWA	(830) 500-0107	brodriguez@crwa.com	Virtual Attendee
10.Stanley Fees	CobbFendley	(512) 646-4349	sfees@cobbfendley.com	Virtual Attendee
11.Jonathan Stein	RHSI	(210) 889-8143	jstein@rhsitx.com	Virtual Attendee
12.				
13.				
14.				
15.				
16.				

Job Name: San Marcos, TX (CRWA)

DN Tanks = GC

VP/CM: Jason Phillippi

Job Number: 20213-122

PM: Rey Moreno

Tank Size: 1.0 MG

ID: 85 SWD: 24.5

PE: Preston Sidwell

Super: Don Fugate

PA: Yamil Rayo

Substantial: 6/22/2025

Completion Date: 7/16/2025

	THA REQUIRED	3/17	3/18	3/19	3/20	3/21	3/22	EST. COMP. DATE
		MON	TUE	WED	THU	FRI	SAT	
Tamms 1/install brackets on inlet riser	Tammseal - Tammscoat installation	6						
Tamms 2/pressure wash equipment/start demob process	Tammseal - Tammscoat installation		6					
Appurtenances	Misc. metal installation			6				
Appurtenances/pressure wash equipment	Misc. metal installation				5			
Appurtenances/Walk -Through with owner and engineer	Misc. metal installation					5		
Walk Through with owner and engineer @ 1:00pm						X		
Keeley on site					X	X		
CREW TOTALS EACH WORKING DAY		6	6	6	5	5	0	

DESCRIPTION OF WORK - 1 WEEK LOOK AHEAD	THA REQUIRED	3/24	3/25	3/26	3/27	3/28	3/29	EST. COMP. DATE
		MON	TUE	WED	THU	FRI	SAT	
Pressure wash Equipment/load out	Demobilization	4						
Load out/Demob	Demobilization		2					
Keeley on site	Power industrial trucks	X	X	X	X	X		
CREW TOTALS EACH WORKING DAY		4	2	0	0	0	0	

DESCRIPTION OF WORK - 2 WEEK LOOK AHEAD	THA REQUIRED	3/31	4/1	4/2	4/3	4/4	4/5	EST. COMP. DATE
		MON	TUE	WED	THU	FRI	SAT	
Keeley on site	Power industrial trucks	X	X	X	X	X		
CREW TOTALS EACH WORKING DAY		0	0	0	0	0	0	

Note : Will need crane on site to remove push lifts from inside Tank /Install - Interior ladder and vent.. @ 9:00

A.P.S.P	DATE	DATE	DATE
Housekeeping	3/17	Safety Inspection	3/18
QC HUDDLES	DATE	DATE	DATE
Painting	3/12	Install Accessories	3/14
PHOTOS TAKEN	DATE	DATE	DATE
QC PHOTOS		RENTAL EQUIPMENT	
Wall Slots Photos on	12/16		
DELIVERIES	DATE	DATE	DATE
over flow flap valve	??		
EQUIPMENT	DATE	DATE	DATE
RENTAL		RENTAL	

TRAINING / MANPOWER NOTES

MANPOWER	FRIDAY'S CREW SIZE: 0		Crew Size						
			0	Carpenter	6	0	Laborer		
TANK MILESTONES	MILESTONE (REQUIRED)	DATE:	DAYS:	MILESTONE (REQUIRED)	DATE:	DAYS:	MILESTONE (REQUIRED)	DATE:	DAYS:
	Start Tamms	3/17	4b	Complete Tamms	3/18	4b	Tamms	3/17	4b
	MILESTONE	DATE:	DAYS:	MILESTONE	DATE:	DAYS:	MILESTONE	DATE:	DAYS:
	Start Appurtenances	3/19	4b	Complete Appurtenances	3/21	4b	Demob	3/25	4b

Canyon Regional Water Authority
Hays Caldwell WTP Improvements Phase 1
SUBMITTAL REVIEW LOG
Contractor: DN Tanks
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1	Code 2	Code 3	Code 4	Code 5	Code 6
							APPROVED	App. As Noted/Comments Attached	App. As Noted/CONFIRM	App. As Noted Resubmit	NOT APPROVED Resubmit	RECEIPT ACKNOWLEDGE D
01 32 16-01	DN Tanks	DN Tanks	01 32 16	Baseline Schedule	8/30/2024	9/18/2024		X				
03 15 00-01	DN Tanks	Concrete Sealants, Inc.	03 15 00	Joint Sealer (Valve Casing)	8/8/2024	8/21/2024	X					
03 15 00-02	DN Tanks	Sika Corporation	03 15 00	Sika - 1A	8/27/2024	9/19/2024	X					
03 15 00-03	DN Tanks	DCA Construction Products, LLC	03 15 00	Waterstop - Type 9	8/27/2024	9/19/2024	X					
03 15 00-04	DN Tanks	DCA Construction Products, LLC	03 15 00	Waterstop - Type 10	9/9/2024	9/19/2024	X					
03 15 00-05	DN Tanks	Multiple	03 15 00	Concrete & Shotcrete Mix Designs	10/28/2024	10/30/2024		X				
03 30 00-01	DN Tanks	TEX MIX	03 30 00	Concrete (4000-3000 PSI)	7/11/2024	8/7/2024				X		
03 30 00-01-A	DN Tanks	TEX MIX	03 30 00	Concrete (4000-3000 PSI)	8/8/2024	8/22/2024	X					
03 30 00-02	DN Tanks	SpecChem	03 30 00	Concrete Curing Compound	8/5/2024	8/19/2024	X					
03 30 00-03	DN Tanks	Quikrete	03 30 00	Concrete Bag (Vault Casing/Cradling)	8/8/2024	8/21/2024	X					
03 30 00-04	DN Tanks	SpecChem	03 30 00	Flowable Grout	8/8/2024	8/21/2024	X					
03 30 00-05	DN Tanks	W. R. Meadows/ Inc.	03 30 00	Fiber Expansion	8/23/2024	9/19/2024	X					
03 30 00-06	DN Tanks	Sika Corporation	03 30 00	Joint Sealant	8/23/2024	9/19/2024	X					
03 30 00-07	DN Tanks	Multiple	03 30 00	GST Concrete & Shotcrete Mix Designs	11/5/2024	11/8/2024	X					
03 30 00 08	DN Tanks	TEXMIX	03 30 00	2500 PSI (Valve Cradle)	2/18/2025	3/3/2025					X	
09 90 00-01	Cohen Industrial Supply Co.	Sherwin Williams	09 90 00	Exposed Pipe Coating	11/11/2024	12/11/2024		X				
09 90 00-02	Cohen Industrial Supply Co.	Allstates Coatings Co.	09 90 00	Underground Pipe Coating	11/11/2024	12/11/2024		X				
26 00 00-01	DN Tanks	Control Panels USA Inc.	26 00 00	Electrical Controls & Instrumentation	10/9/2024	10/10/2024					X	
31 20 00-01	DN Tanks	Martin Marietta	31 20 00	5x3 Gabion	7/9/2024	7/26/2024	X					
31 20 00-02	DN Tanks	Martin Marietta	31 20 00	#67	7/9/2024	7/26/2024	X					
31 20 00-03	DN Tanks	Martin Marietta	31 20 00	#57	7/9/2024	7/26/2024	X					
31 20 00-04	DN Tanks	Martin Marietta	31 20 00	Flex Base	7/9/2024	7/26/2024		X				
31 20 00-05	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Mirafi 1160N	7/9/2024	7/26/2024	X					

Canyon Regional Water Authority
Hays Caldwell WTP Improvements Phase 1
SUBMITTAL REVIEW LOG
Contractor: DN Tanks
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1	Code 2	Code 3	Code 4	Code 5	Code 6
							APPROVED	App. As Noted/Comments Attached	App. As Noted/CONFIRM	App. As Noted Resubmit	NOT APPROVED Resubmit	RECEIPT ACKNOWLEDGE D
31 20 00-06	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Mirafi 1100N	7/9/2024	7/26/2024						X
31 20 00-07	DN Tanks	Tensar	31 20 00	Geotextile - Tensar TX5	7/9/2024	7/26/2024	X					
31 20 00-08	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31 20 00	Geotextile - Mirafi 500x	7/9/2024	7/26/2024	X					
31 20 00-09	DN Tanks	Terracon	31 20 00	Terracon Proof Roll Observation Letter	12/18/2024	1/10/2025						X
31 37 00-01	DN Tanks	Keeley Construction	31 37 00	12x6 Rip Rap	8/22/2024	9/10/2024	X					
32 92 13-01	DN Tanks	Douglas King Seeds	32 92 13	Seeds (Permeant Vegetative Covering)	8/8/2024	8/14/2024					X	
32 92 13-01-A	DN Tanks	Douglas King Seeds	32 92 13	Seeds (Permeant Vegetative Covering)	8/23/2024	8/27/2024		X				
32 92 13-02	DN Tanks	Multiple	32 92 13	Security Fence	2/14/2025	3/3/2025	J. Felger				X	
33 01 12-01	DN Tanks	Keeley Construction	33 01 12	Underslab Pipe Hydrostatic Test Results	12/19/2024	1/13/2025						X
33 05 26-01	DN Tanks	Presco	33 05 26	Non-Detectable Tape	2/20/2025	3/11/2025						
33 11 10-01	DN Tanks	Multiple	33 11 10	Mechanical Joint Restraint	8/5/2024	9/9/2024				X		
33 11 10-01-A	DN Tanks	Multiple	33 11 10	Mechanical Joint Restraint	9/20/2024	10/3/2024		X				
33 11 10-02	DN Tanks	Multiple	33 11 10	DI Pipe & Polyethylene	8/5/2024	9/9/2024			X			
33 11 10-02-A	DN Tanks	Multiple	33 11 10	DI Pipe & Polyethylene	9/24/2024	10/3/2024			X			
33 11 10-03	DN Tanks	Multiple	33 11 10	DI Pipe Fittings	8/5/2024	9/9/2024			X			
33 11 10-03-A	DN Tanks	Multiple	33 11 10	DI Pipe Fittings	9/20/2024	10/3/2024		X				
33 11 10-04	DN Tanks	ITP	33 11 10 40 05 19 40 05 23	Bolts	8/8/2024	9/9/2024						
33 11 10-05	DN Tanks	Custom Pipe & Fabrication Inc.	33 11 10	DI Pipe Fabricated	9/24/2024	10/3/2024		X				
33 11 10-06	DN Tanks	American Flow Control	33 11 10	30 Inch Flanged Gate Valve	9/25/2024	10/3/2024		X				
40 05 06-01	DN Tanks	EBAA Iron Inc.	40 05 06	Mega Coupling	11/20/2024	12/11/2024			X			
40 05 06-02	DN Tanks	General Rubber	40 05 06	Expansion Joint	2/28/2025							
40 05 24-01	DN Tanks	Felker Fabrication	40 05 24	Fabricated Stainless Steel	8/22/2024	9/18/2024						
40 05 51-01	DN Tanks	Tyler Union	40 05 51	Valve Box	8/5/2024	9/9/2024		X				
40 05 61-01	DN Tanks	American Flow Control	40 05 61	Gate Valves	8/5/2024	9/9/2024		X				

Canyon Regional Water Authority
Hays Caldwell WTP Improvements Phase 1
SUBMITTAL REVIEW LOG
Contractor: DN Tanks
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1	Code 2	Code 3	Code 4	Code 5	Code 6
							APPROVED	App. As Noted/Comments Attached	App. As Noted/CONFIRM	App. As Noted Resubmit	NOT APPROVED Resubmit	RECEIPT ACKNOWLEDGE D
40 41 00-01	DN Tanks	Control Panels USA Inc.	40 41 00	Electrical Heat Trace	12/13/2024	1/20/2025				X		
40 41 00-01-A	DN Tanks	Control Panels USA Inc.	40 41 00	Electrical Heat Trace	2/10/2025	3/3/2025		X				
40 61 00-01	DN Tanks	Control Panels USA Inc.	40 61 00	Electrical Controls & Instrumentation	10/15/2024	10/25/2024					X	
40 66 00-01	DN Tanks	Control Panels USA Inc.	40 66 00	Communications Interface Equipment	12/13/2024	1/7/2025	X					
40 72 00-01	DN Tanks	Control Panels USA Inc.	40 72 00	Level Instruments	12/13/2024	1/7/2025	X					
43 41 63-01	DN Tanks	DN Tanks	43 41 63	DN Tanks Foundation Drawings	8/19/2024	9/19/2024		N. Green		X		
43 41 63-02	DN Tanks	DN Tanks	43 41 63	Tank Design Drawings & Engineer Response Letter	10/4/2024	10/22/2024	A. Ayala	X				
43 41 63-03	DN Tanks	DN Tanks	43 41 63	Tank Design Calculations	10/4/2024	10/17/2024	X					
43 41 63-04	DN Tanks	DN Tanks	43 41 63	Tank Fabrication Drawings	10/4/2024	11/4/2024	N. Green					
43 41 63-04-A	DN Tanks	DN Tanks	43 41 63	Tank Fabrication Drawings	1/31/2025	2/18/2025			X			
43 41 63-05	DN Tanks	Sika Corporation	43 41 63	Steel Diaphragm	10/18/2024	10/30/2024	X					
43 41 63-06	DN Tanks	Sika Corporation	43 41 63	PVC Waterstop	10/4/2024	10/18/2024	X					
43 41 63-07	DN Tanks	Multiple	43 41 63	Polysulfide Sealants	10/4/2024	10/17/2024	X					
43 41 63-08	DN Tanks	Gerard Packing and Belting Corporation	43 41 63	Natural Rubber Bearing Pads	10/4/2024	10/17/2024	X					
43 41 63-09	DN Tanks	Gerard Packing and Belting Corporation	43 41 63	Neoprene Bearing Pads	10/4/2024	10/17/2024				X		
43 41 63-10	DN Tanks	Dayton Superior	43 41 63	Concrete Curing Compound	10/4/2024	10/17/2024	X					
43 41 63-11	DN Tanks	Solomon Colors, Inc.	43 41 63	Concrete Finishing Aid	10/4/2024	10/17/2024	X					
43 41 63-12	DN Tanks	GT Industries	43 41 63	Sponge Rubber Filler	10/4/2024	10/17/2024	X					
43 41 63-13	DN Tanks	Commercial Grade Quikrete	43 41 63	Quikrete Grout	10/4/2024	10/17/2024	X					
43 41 63-14	DN Tanks	HILTI	43 41 63	Epoxy Coating System	10/4/2024	10/17/2024	X					
43 41 63-15	DN Tanks	Chase Associates	43 41 63	Manway	10/4/2024	11/4/2024	A. Ayala		X			
43 41 63-16	DN Tanks	USF Fabrication	43 41 63	Tank Roof Hatch	10/4/2024	11/4/2024				X	A. Ayala	
43 41 63-17	DN Tanks	French Creek Production	43 41 63	Ladder Fall Prevention (Exterior Ladder)	10/4/2024	11/4/2024	A. Ayala				X	
43 41 63-18	DN Tanks	Euclid Chemical	43 41 63	Tank Architectural Coating	10/4/2024	11/4/2024		X				
43 41 63-19	DN Tanks	Atlantic Fabricators	43 41 63	Tank Roof Vent (AIS)	10/18/2024	11/4/2024						
43 41 63-20	DN Tanks	DCA Construction Products, LLC	43 41 63	Waterstop Type 11	10/25/2024	10/30/2024	X					
43 41 63-20	DN Tanks	White Cap	43 41 63	Rebar Shop Drawings (Overflow Structure)	11/20/2024	12/9/2024	X					

**Hays Caldwell WTP
Ph 1 Improvements
RFI REVIEW LOG**

Contractor: DN Tanks
Project Manager: Yue Sun

RFI No.	Vendor/Supplier	Specification Section	RFI Subject	Date of RFI Received by Ardurra	Date of RFI Returned
001	DN Tanks	Geotechnical Report	Allowable Bearing Capacity PSF	8/5/2024	8/13/2024
002	DN Tanks	Geotechnical Report	Site Classification	8/5/2024	8/13/2024
003	DN Tanks	N/A	Overflow Wing Wall Rebar Details	8/21/2024	8/26/2024
004	DN Tanks	03 30 00	GST Concrete Fly Ash Content - Critical	9/24/2024	9/25/2024
005	DN Tanks	09 90 00	Exterior Overflow Pipe Coating	10/25/2024	10/28/2024
006	DN Tanks	03 30 00	Elevation Discrepancy	1/2/2025	1/2/2025



To:	From:	Subject:
Canyon Regional Water Authority (CRWA)	STV, Inc. Marisa Vergara, PE	CRWA Project No. 2024-002 March Monthly Progress Report 3/21/2025

Service Order No. 2024002-01

Task Order 1 Wells Ranch Well No. Pumping Upgrades Project

Task Manager: David Stanley, PE

Scope

- Increase Well 2 and Well 14 pumping capacity up to approx. 1,000 gpm to Wells Ranch WTP. Includes new well pumps, motors, variable frequency drives, and electrical service. Also includes relocation of existing 350 kW Well 2 Generator to Well 14 and installation of two existing 150 kW generators at Wells 5 and Well 13 sites.

Scope Elements Added/Removed

- None this month

March 2025 Progress

- Reviewed and responded to revised VFDs and well pumps submittal
- Contractor continued coordination with GVEC (electrical service provider).
- Reviewed potential Change Order to install existing 800 kW generator at Well 2 and 3 site.
- Continue coordination with RW Harden (Hydrologist Consultant to CRWA) for required increased permitted pumping capacity for Wells 2 and 14. Pending CRWA approval for RW Harden modeling associated with GCUWCD permits.

April 2025 Progress Planned

- Review additional submittals.
- Review Contractor's updated construction schedule to confirm long lead times for electrical equipment.
- Anticipate Contractor mobilization in May.

Project Schedule Summary

- TCEQ Permit Anticipated Approval: June 2025
- Construction Substantial Completion: October 2025
- Status – ON Schedule. Continue to monitor due to electrical equipment lead times.

STV Service Order No.: 02 and 03
Wells Ranch Phase 3 Water Supply Study
Task Manager – David Stanley, PE

WO 02 Scope

- Water supply study of the Wells Ranch Phase 3 project for additional groundwater supplies and associated evaluations. Includes a new wellfield located in Gonzales County in the Brown Tract. Study evaluates overall infrastructure requirements including transmission and treatment for a complete water supply.

WO 03 Scope

- Water supply study for Wells Ranch Expansion including Wells 2, 14, 10 and Phase 3 expansion. Preliminary engineering report to for the addition of Well No. 10. Develop conceptual process mechanical and hydraulic modeling to evaluate the existing capacity of the Wells Ranch well collection lines, water treatment plant (WTP), high service pump station (HSPS), and transmission pipeline and the development of conceptual recommendations for improvements.

March 2025 Progress

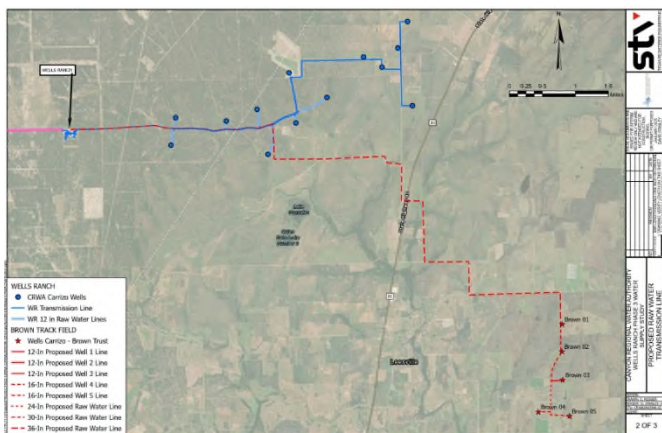
- Met with CRWA Staff to review all draft Tables and Exhibits after revisions from prior February Staff meeting.
- Submitted a Draft Report with all findings to CRWA Staff for review and conducted a review meeting.
- Incorporate final comments from CRWA staff (due March 21st).

April 2025 Projected Planned

- Submit final report with recommendations and OPCC
- Present findings to Board of Managers on April 2, 2025

Project Schedule Summary

- Final report due to CRWA on April 11, 2025
- Status – on schedule per revised to combine with Work Order 3



STV Service Order No.: 05**Update of EPA Risk & Resilience Assessment and Emergency Response Plan
Task Manager – Gil Barnett, PE**

Scope

- This work includes updating CRWA's Water System Risk and Resilience Assessment and the Emergency Response Plans to ensure continued compliance with Sec. 2013 of AWIA 2018. The certification due dates are March 31, 2025, for the updated RRA, and September 30, 2025, for the updated ERP.

March 2025 Progress

- Submit draft RRA report on March 17, 2025
- Update calculations and finalize draft RRA report, based on CRWA comments.
- Board of Trustees Executive briefing on March 10, 2025
- Submit final RRA Report on March 28, 2025
- Certification of RRA Update for EPA on March 31, 2025

April 2025 Projected Progress Planned

- Plan schedule for Emergency Response Plan update.

Project Schedule Summary

- Draft Risk and Resilience Assessment – Due March 17, 2025
- CRWA comments – Due March 26, 2025
- Final Risk and Resilience Assessment – Due March 28, 2025
- Draft Emergency Response Plan – Due July 30, 2025
- Final Emergency Response Plan – Due September 15, 2025
- Status: On schedule.

AGENDA

SUBJECT: Hays Caldwell Participating Member Discussion

DATE/TIME: March 24, 2025, 1:30 p.m.

LOCATION: CRWA Offices/MS Teams

Attendees: Kerry Averyt, Hanna Diaz, Joan Wilkinson, David McMullen, Mike Saldana, Regina Franke, James Forsell, Steven Fonville, Mabel Vaughn, Doris Steubing, Humberto Ramos, Tracy Scheel, Justin Ivicic, Tyler Hjorth, Hunter Hudson, Robert Snipes, Zac Evans

Topics

1. Phase 2 Improvements Project

- a. Two responses were received
 - i. Keeley Construction: \$9,630,875
 - ii. Keystone Construction: \$11,148,000
 - iii. Design Consultant OPCC: \$10,100,500
 - b. Staff recommendation
 - c. Current funds available
 - d. Remaining funds available
- The last cost estimate was done multiple years back and was significantly less than this. There has since been additional scope added, due to the time and added scope and independent cost estimate was developed by the design consultant which came in a little over the low bid. The scope of phase 2 was for the ozone improvements and the related electrical and peripheral items that went with it. CRWA Staff are recommending accepting the recommendation from Ardurra to award Keely Construction. There were evaluations done in house by the Project manager, Bobby Rodriguez, as well as by Mike Saldana, Assistant General Manager of Crystal Clear SUD.
 - This project scope is for the existing 3.4 capacity with the ability to add on to it, to add City of San Marcos and Martindale WSC's flows. The generators will have to be added. Humberto Ramos, County Line SUD General Manager, confirmed this does not include the expansion of San Marcos. This is only to achieve the current 3.4 mgd. Mr. Ramos stated his concerns over the cost of this scope, and it not including the expansion of the City of San Marcos and Martindale WSC.
 - Kerry Averyt stated the project is being designed so additional ozone equipment can be added on. One thing that made the cost go up was the addition of a smaller unit. Currently, Martindale WSC's increase can be accommodated, but the addition of San Marcos cannot.
 - Mr. Ramos would like to get a better understanding of what the entities will be paying for. Until there is a better understanding, Mr. Ramos does not feel comfortable moving forward on these bids.
 - Regina Franke, Crystal Clear SUD's General Manager, stated that there have been multiple discussions on the topic, and her understanding is that this is being built to what the need is prior to City of San Marcos coming in and Martindale WSC's additional water to keep the Plant going and to treat the water that CRWA is currently obligated for to those currently taking water.
 - Tyler Hjorth, Director of Utilities for the City of San Marcos, stated his concerns over the fundamentals of the scope. Mr. Hjorth would like to know what the OPCC was when the project first began, and how these phases are constructed within the Hays Caldwell contract.
 - Justin Ivicic, Maxwell SUD's General Manager, stated that the 2017 bond for \$5 million was for the ozone project, and then the 2020 bond was the expansion for San Marcos and Martindale WSC.
 - David McMullen, CRWA's Operations Manager, stated the \$9 million includes the electrical components, the plumbing, the stainless steel, the building size, and destruct units, but it does not include the generators themselves. The cost has gone up due to price increases on materials and labor since the last OPCC was done.
 - A new cost estimate and assessment will need to be made.

- If everything is paid out for the existing projects, there is approximately \$8 million left to fund the project. In the membrane fund, there is about \$285,000 left. So, there is approximately \$8 million left that can be used for the filters.
- Ms. Franke confirmed the scope of work is more than the original scope of work for the ozone improvement. Prices have increased and things have been added. The things that were added were to get Martindale WSC and City of San Marcos their capacity of treated water, except for the generator. There may be caused to meet again, once more information is acquired pertaining to what the scope provides and what will still be required to be able to get the water to the plant, treat it and then distribute it out as well as the associated costs.
- Ms. Franke proposed that when going forward there needs to be two options. Option one being what the current scope is and option 2 is if it is decided to move forward with the larger amount to include City of San Marcos and Martindale WSC.
- Mr. Ramos agreed with Ms. Franke with the caveat that there be a separate option that includes Martindale WSC without San Marcos.

2. Additional Needed Plant Improvements

- a. Without Expansion
 - i. Timeline
 - ii. Estimated Cost
- b. With Expansion
 - i. Timeline
 - ii. Estimated Cost
- Ms. Franke requested realistic to-date prices of what everything is going to cost.
- Mr. Averyt is going to work with Ardurra to get updated costs and information to circulate to the members with the goal being to regroup and decide before the April Board of Trustee's meeting.
- Mr. McMullen stated the Ozone manufacturer stated they will not hold the price for the Ozone. There will be a price increase in April.

3. Mobile Membrane Filtration Unit

- a. Discussion of potential need for additional mobile filtration units
- b. Current Pall Trailer (96 membranes)
 - i. Treatment Capacity: 2.0 MGD
 - ii. Cost: \$40,000/month
- c. Available Pall Trailer unit (80 membranes)
 - i. Treatment Capacity: 1.1 MGD
 - ii. Cost: \$33,000/month lease; \$2.3 million buy
- Mr. Averyt stated that if the membranes were selected and construction started today, the Hays Caldwell WTP would not make it until the membranes are installed. By the time the Pilot Study gets TCEQ approval, design is completed, and the project is out for bid, construction would begin at the earliest, the first quarter of 2026. It would then be approximately 18 mos. To 2 years of construction. The membranes would not be in place and running until 2028. Mr. McMullen sought options to acquire additional mobile units.
- There will be a mobile unit available in June to give an additional 1.1 mgd treatment capacity. The cost for the unit is quoted at \$33,000 a month to rent the unit on a 2-year contract, or to purchase the unit for \$2.3 million. The recommendation from CRWA Staff is to move forward with either leasing or purchasing the unit and then looking at acquiring another one in 2026 to get through. There would need to be a third unit to achieve the 3.4 mgd.
- If Pall is chosen to do the permanent membranes at Hays Caldwell WTP, the membranes from the unit could be used.
- Mr. McMullen recommends buying the unit instead of leasing. The current unit in possession at Hays Caldwell WTP with 96 membranes is being rented.
- There is funding available, pending confirmation of if they are usable for this project.
- It is a consensus among the entities that this is a priority item.
- Mr. McMullen can have the new unit operational by July 2025. He will reach out to Pall to let

them know CRWA's intentions of purchasing the new unit, pending approval from the full Board of Trustees in April.

4. Additional Items

- Mr. Averyt discussed the GBRA Raw Water Delivery System. CRWA was informed at the end of January that they are replacing the VFD's and per the contract, CRWA is obligated to pay their share of it. CRWA has the option to make a cash contribution of \$324,000 or participate in a debt service of \$42,000 per year for 15 years. The debt service would not begin until FY 2026.
- This will be discussed at the April Board of Trustees meeting.
- Joan will let the entities know what this will increase their GBRA line item up to.

5. Next Steps

AGENDA

SUBJECT: Wells Ranch Participating Member Discussion

DATE/TIME: March 24, 2025, 3:00 p.m.

LOCATION: CRWA Offices/MS Teams

Attendees: Mike Saldana, Regina Franke, Robert Snipes, Mabel Vaughn, Doris Steubing, Justin Ivicic, Kerry Averyt, Joan Wilkinson, David McMullen, Hanna Diaz, Brandon Rohan, Daniel Smith, Martin Poore, Keith Steffen, Mike Andrews, Phil Gage, Humberto Ramos.

Topics

1. Well Upgrades Project

1. Cost to relocate existing generator: \$321,500
 - i. Cost is roughly 23% of contract amount
 - ii. Staff does not recommend approval
2. A meeting has been requested with Legal representation present to discuss and finalize language for the 920 acft agreement.
3. Cost sharing
 - The cost to relocate the existing generator was \$321,500. This is about 23% of the contract amount. CRWA Staff are not comfortable taking up that much contingency before the project even begins construction. There are upgrades that are needed at these well sites to put in the additional electrical needed to accommodate the generators. The cost of these line items was approximately \$70,000. This could be moved forward with these line items as a change order on this project, or it can be added as a change order to the emergency Generator Project at a less than 10% increase to the contract amount. It can also be added to the 5-year plan for adding generators to well sites. If this needs to be done as soon as possible, it would be recommended to add it to the Emergency Generator Project as a change order. However, Staff does not recommend moving forward with it as a change order to the Well Upgrades Project.
 - The latest draft for the 920 AF agreement was distributed to the involved entities. Green Valley SUD recommends a meeting with the participating members and their legal representatives to finalize the language of the agreement. Springs Hill SUD is open to meeting if CRWA can provide the dollar amounts for the agreement. CRWA has calculated the dollar amounts. CRWA will email the participating members for their availability to get the meeting scheduled.
 - Joan Wilkinson has run the numbers in relation to cost sharing. Some of this contract is part of the Emergency Generators that was added in to get a better deal, and some of it goes to just the 920 AF. These costs have all been shared out, and the numbers can go in the contract.

2. Emergency Generator Project

- a. Two Bids Received
 - i. Taknek: \$1,384,970
 - ii. Weifield: \$3,845,453
- b. Staff Recommendation
- c. Funding
 - The Taknek bid was well below the construction cost estimate and below the other bid received. CRWA Staff questioned whether the work could be done at the provided bid

price. Taknek did not include all the required components of the submittal, so their submittal is rejected by CRWA.

- CRWA Staff recommends moving forward with the bid from Weifield. Kerry Averyt will send the recommendation letter to everyone after the meeting. The latest cost estimate for the project was approximately \$3.9 million. This project is funded by the repair and replacement fund.

3. Wells Ranch Phase III

- a. Draft Feasibility Study Report submitted March 7
 - i. Study to be presented to the Board of Managers and Board of Trustees in April.
- b. Preliminary Construction Cost Estimates
- c. Timeline
- d. Participation Agreement
- CRWA Staff received the draft feasibility study on March 7, and are providing comments back to STV. STV will present the study to the Board of Managers and the Board of Trustees at the April meetings.
- The preliminary construction cost estimates include 30% contingency, and 5% escalation for 5 years. The estimate for the well field pipelines, pump stations, and treatment plant expansion was \$470 million. The cost estimate for a pipeline to go from there to Hays Caldwell WTP was estimated at \$299 million.
- There is no update on the timeline yet. It is dependent on the permitting process. The construction itself is probably a 3-year process if everything is run concurrently.
- CRWA is working on another version of a participation agreement. Mr. Averyt has given directions to make it simple agreement. Once it is ready, it will be circulated for review and comments.
- The original amount that was identified as being needed was 14,500 AF. CRWA has since acquired more than that among Wilcox and Carrizo. Due to the perceived problems in Gonzales County with permitting, and since CRWA has acquired a fair amount of Wilcox rights, the Blumberg Project will be treated as a separate project from Wells Ranch Phase III.

4. Blumberg Project

- a. Draft scope and fee in development
- b. Timeline
- c. Participation Agreement
- There is a draft scope and fee in development for starting the study. A timeline will be mapped out as well. An entirely new water treatment facility will be needed. The pipeline to get it to the facility may not be difficult since it is all within the Blumberg property. 10 acres of land have been acquired for the facility. A participation agreement needs to be generated.
- Brandon Rohan suggested making the participation agreement an even split between the people who want to participate at this point, and then in the water supply contracts, it can be parsed out what the percentages are.
- It is a consensus there is a preference for two party contracts for this project, if the language is the same in them.
- Kerry Averyt will move forward with getting a draft scope and free from STV.

5. Additional Items

6. Next Steps

CRWA TTHM Tracker

Total Trihalomethanes (TTHMs) in drinking water are a by-product of using chlorine in surface waters. When chlorine interacts with organics and has completed its intended use, it leaves behind THMs and Haloacetic Acids (HAA⁵). The four common types of THMs that are measured to complete a Total THM is chloroform, bromoform, bromodichloromethane, and dibromochloromethane. TTHMs and HAA⁵s are carcinogens and therefore regulated by Environmental Protection Agency (EPA) and the State of Texas. The Maximum Contaminate Level (MCL) for THMs is 80 parts per billion (ppb) or 80 micrograms per liter (µg) based from a quarterly rolling average.

CRWA TTHM Results

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
Lake Dunlap	Treatment Plant	1/13/2025	12	Hays Caldwell	Treatment Plant	1/13/2025	24
Lake Dunlap	Treatment Plant	2/11/2025	13	Hays Caldwell	Treatment Plant	2/11/2025	33
Lake Dunlap	Treatment Plant	3/11/2025	8	Hays Caldwell	Treatment Plant	3/11/2025	30
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Treatment Plant			Hays Caldwell	Treatment Plant		
Lake Dunlap	Quarterly Average		11	Hays Caldwell	Quarterly Average		29

Sample ID	Location	Date	TTHM (µg)	Comments: LD = Lake Dunlap HC = Hays Caldwell WR = Wells Ranch B = Blended water from Lake Dunlap and Wells Ranch
Wells Ranch	Leissner	1/13/2025	6	
Wells Ranch	Leissner	2/11/2025	7	
Wells Ranch	Leissner	3/11/2025	5	
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Leissner			
Wells Ranch	Quarterly Average		6	

CRWA TTHM Tracker

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
LD-Green Valley	South Bank	1/13/2025	20	LD-Green Valley	Wagner Inlet	1/13/2025	27
LD-Green Valley	South Bank	2/11/2025	21	LD-Green Valley	Wagner Inlet	2/11/2025	30
LD-Green Valley	South Bank	3/11/2025	17	LD-Green Valley	Wagner Inlet	3/11/2025	27
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
LD-Green Valley	South Bank			LD-Green Valley	Wagner Inlet		
GV South Bank	Quarterly Average	19		GV Wagner Inlet	Quarterly Average	28	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
WR-Green Valley	McQueeney Shell	1/13/2025	10	B-Green Valley	I-10/Trainer Rd	1/13/2025	15
WR-Green Valley	McQueeney Shell	2/11/2025	12	B-Green Valley	I-10/Trainer Rd	2/11/2025	16
WR-Green Valley	McQueeney Shell	3/11/2025	9	B-Green Valley	I-10/Trainer Rd	3/11/2025	10
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
WR-Green Valley	McQueeney Shell			B-Green Valley	I-10/Trainer Rd		
GV McQueeney	Quarterly Average	10		GV I-10/Trainer Rd	Quarterly Average	14	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
WR-Green Valley	FM 1518 Tank	1/13/2025	9	WR-SAWS	1604 Booster	1/13/2025	12
WR-Green Valley	FM 1518 Tank	2/11/2025	8	WR-SAWS	1605 Booster	2/11/2025	16
WR-Green Valley	FM 1518 Tank	3/11/2025	6	WR-SAWS	1606 Booster	3/11/2025	14
WR-Green Valley	FM 1518 Tank			WR-SAWS	1607 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1608 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1609 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1610 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1611 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1612 Booster		

CRWA TTHM Tracker

WR-Green Valley	FM 1518 Tank			WR-SAWS	1604 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1604 Booster		
WR-Green Valley	FM 1518 Tank			WR-SAWS	1604 Booster		
GV FM 1518	Quarterly Average	8		SAWS 1604	Quarterly Average	14	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
LD-Springs Hill	I-10 Loves Truck	1/13/2025	9	LD-Springs Hill	Mill Creek	1/13/2025	26
LD-Springs Hill	I-10 Loves Truck	2/11/2025	5	LD-Springs Hill	Mill Creek	2/11/2025	25
LD-Springs Hill	I-10 Loves Truck	3/11/2025	3	LD-Springs Hill	Mill Creek	3/11/2025	19
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
LD-Springs Hill	I-10 Loves Truck			LD-Springs Hill	Mill Creek		
SH Loves Truck	Quarterly Average	8		SH Mill Creek	Quarterly Average	23	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
LD-Springs Hill	Geronimo	1/13/2025	55	LD-Crystal Clear	Hwy 123	1/13/2025	22
LD-Springs Hill	Geronimo	2/11/2025	54	LD-Crystal Clear	Hwy 123	2/11/2025	25
LD-Springs Hill	Geronimo	3/11/2025	41	LD-Crystal Clear	Hwy 123	3/11/2025	22
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
LD-Springs Hill	Geronimo			LD-Crystal Clear	Hwy 123		
SH Geronimo	Quarterly Average	50		CC Hwy 123	Quarterly Average	24	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
HC-Crystal Clear	Kingsbury	1/13/2025	52	HC-Maxwell	Maxwell Office	1/13/2025	32
HC-Crystal Clear	Kingsbury	2/11/2025	50	HC-Maxwell	Maxwell Office	2/11/2025	36
HC-Crystal Clear	Kingsbury	3/11/2025	44	HC-Maxwell	Maxwell Office	3/11/2025	31
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		

CRWA TTHM Tracker

HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
HC-Crystal Clear	Kingsbury			HC-Maxwell	Maxwell Office		
CC Kingsbury	Quarterly Average	52		Maxwell Office	Quarterly Average	36	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
HC-Maxwell	Hwy 142 Hydrant	1/13/2025	39	HC-Martindale	Martindale	1/13/2025	28
HC-Maxwell	Hwy 142 Hydrant	2/11/2025	36	HC-Martindale	Martindale	2/11/2025	7
HC-Maxwell	Hwy 142 Hydrant	3/11/2025	29	HC-Martindale	Martindale	3/11/2025	5
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
HC-Maxwell	Hwy 142 Hydrant			HC-Martindale	Martindale		
Max Hwy 142	Quarterly Average	36		Martindale	Quarterly Average	20	

Sample ID	Location	Date	TTHM (µg)	Sample ID	Location	Date	TTHM (µg)
WR-East Central	Pittmann Rd	1/13/2025	11	B-Cibolo	Cibolo Valley	1/13/2025	32
WR-East Central	Pittmann Rd	2/11/2025	14	B-Cibolo	Cibolo Valley	2/11/2025	24
WR-East Central	Pittmann Rd	3/11/2025	11	B-Cibolo	Cibolo Valley	3/11/2025	14
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
WR-East Central	Pittmann Rd			B-Cibolo	Cibolo Valley		
EC Pittmann	Quarterly Average	13		Cibolo Valley	Quarterly Average	23	

