

CRESCENTA VALLEY WATER DISTRICT

**2700 Foothill Boulevard
La Crescenta, California**

**Agenda for the
Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on Tuesday November 12, 2019 at 7:00 p.m.**

Posted: November 8, 2019 at 3:00 p.m.

Any written materials distributed to the Board in connection with this agenda will be made available at the same time for public inspection at the District office located at the above address.

Call to Order and Determination of Quorum

Pledge of Allegiance

Adoption of Agenda

Public Comments

At this time the public shall have an opportunity to comment on any non-agenda item relevant to the subject matter jurisdiction of the Board. This opportunity is non-transferable, and speakers are limited to one three-minute (3) comment.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Meeting on October 22, 2019.

Action Calendar

The public shall have an opportunity to comment on any action item as each item is considered by the Board prior to action being taken. This opportunity is non-transferable, and speakers are limited to one two-minute (2) comment.

1. **TTHM Study Update and Implementation Plan, Project E-995** – Discuss updates to the TTHM project (E-995) and the proposed implementation plan for final transition from chlorination to chloramination.
2. **Wastewater Cost-of-Service Study** – Consideration and motion to authorize the General Manager to award a wastewater cost-of-service study to Raftelis Financial Consultants, Inc. at a cost of \$19,500 and establish a contingency amount of \$1,950 (10% of contract) to cover the cost of unforeseen or additional work.
3. **Resolution No. 751** – Consideration and motion to adopt Resolution No. 751 appointing James Lee, Director of Finance and Administration, as Board Secretary.
4. **Resolution No. 752** – Consideration and motion to adopt Resolution No. 752 to authorize the General Manager and the Director of Finance and Administration to deposit or withdraw monies from and execute associated activities with the California Local Agency Investment Fund.
5. **Terms and Conditions of Employment** – Ratify the terms and conditions of employment for the management group.
6. **Board Meeting Schedule (Calendar Year 2019)** – Discuss the Board's meeting schedule for the remainder of calendar year 2019.

Information Items

Written Communications to District/Board of Directors

General Manager's Report

Attorney Report

Reports of Committees

- Engineering Committee
- Finance Committee
- Employee Relations Committee
- Policy Committee
- Community Relations/Water Conservation Committee
- Emergency Planning Committee

Director's Oral Reports

Report on issues, meetings, or activities attended by Directors.

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT

ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS

October 22, 2019

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting on October 8, 2019 an Adjourned Regular Meeting was held on October 22, 2019, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President James D. Bodnar presiding.

At roll call, the following Directors and staff members were present:

Directors:

James D. Bodnar
Kerry D. Erickson (absent)
Kenneth R. Putnam
Sharon S. Raghavachary
Judy L. Tejada

Attorney:

Thomas Bunn

General Manager:

Nem Ochoa

Director of Finance & Administration: **James Lee**

Director of Engineering:

David Gould (absent)

Others Present:

Mark Hass, Information Technology Manager
Christy Scott, Regulatory & Public Affairs Manager
Wendy Holloway, Customer Service Manager
Dennis Maxwell, Director of Operations
Brook Yared, Senior Engineer
Arturo Montes, Accountant
Pam Leddy, Administrative Assistant
Frank Colcord, FMWD Director

PLEDGE OF ALLEGIANCE

President Bodnar opened the meeting by asking Director Putnam to lead the Directors and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Putnam, seconded by Director Tejada and carried by a 4-0 vote that the Agenda for the Adjourned Regular Meeting of October 22, 2019 be adopted as presented.

PUBLIC COMMENTS – Ms. Marilyn Tyler confirmed that CVWD customers will be notified prior to the conversion from chlorine to chloramine.

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Mr. Frank Colcord reported that the Foothill Board had not met during the month of October. Descanso Gardens is preparing to break ground for a new membrane bio-reactor to process their sewage and gray water to create irrigation water for new

plantings along the front of their property. Mr. Colcord commented that the cities of Glendale & South Pasadena have projects mapped on the Los Angeles County's Proposition W website to capture, reuse and infiltrate storm water. A brief conversation was held regarding a cross complaint between Foothill Municipal Water District and La Canada Irrigation District.

CONSENT CALENDAR

It was moved by Director Raghavachary, seconded by Director Putnam, and carried by a 4-0 vote to approve the Minutes of the Regular Board Meeting held on October 8, 2019 and to ratify the disbursements for September 2019 as presented.

Payment of demands against the Crescenta Valley Water District on or before September 30, 2019 the same having been approved by the General Manager, and heretofore paid, be ratified and approved subject to audit, in the aggregate sum of Nine Hundred Thirty-Four Thousand, Seven Hundred Twenty-Eight Dollars and Forty-Five Cents (934,728.45), which is composed of the individual items set forth herein.

ACTION CALENDAR

Written Communications to the Board of Directors – Ms. Tyler requested that written communications to the Board of Directors received during the 72-hour period between the publishing of the Board packet and the Board meeting be posted on the CVWD website. Mr. Bunn clarified that the rules of the Brown Act state that all such written communications that are sent to the Board shall be made available to the public and may be posted on the website. The Board directed that those communications will be included in packets for subsequent Board meetings as written communications and reference the meeting date and/or agenda item to which the communication pertained.

Adoption of Strategic Plan – Mr. Ochoa presented the final draft of the 2020 Strategic Plan to the Board. The 2020 Strategic Plan was adopted with the incorporation of several wording recommendations by the Board.

Following discussion:

It was moved by Director Raghavachary, seconded by Director Tejeda and carried by a 4-0 vote to adopt the 2020 Strategic Plan as amended.

Cost of Service Study – Mr. Lee requested the Board to authorize the General Manager to award a cost-of-service study to Raftelis Financial Consultants, Inc. at a cost of \$30,798 and establish a contingency amount of \$3,020 (10% of contract) to cover cost of unforeseen or additional work.

Following discussion:

It was moved by Director Raghavachary, seconded by Director Putnam and carried by a 4-0 vote to authorize the General Manager to enter into an agreement for a water cost-of-service study and related analyses to Raftelis Financial Consultants, Inc. at a cost of \$30,798 and establish a contingency amount of \$3,080 (10% of contract) to cover the cost of unforeseen or additional work.

Resolution No. 749 – Consideration and motion was made to adopt Resolution No. 749 appointing James Lee, Interim Director of Finance and Administration, as Board Secretary.

It was moved by Director Bodnar, seconded by Director Tejeda and carried by a 4-0 roll call vote to adopt Resolution No. 749 appointing James Lee, Interim Director of Finance and Administration, as Board Secretary.

AYES:
Director Bodnar
Director Putnam
Director Raghavachary
Director Tejeda

NOES:
None

ABSENT:
Director Erickson

Resolution No. 750 – Consideration and motion was made to adopt Resolution No. 750 to authorize the General Manager and the Interim Director of Finance and Administration to deposit or withdraw monies from and execute associated activities with the California Local Agency Investment Fund.

It was moved by Director Bodnar, seconded by Director Putnam and carried by a 4-0 roll call vote to adopt Resolution No. 750 to authorize the General Manager and the Interim Director of Finance and Administration to deposit monies from and execute associated activities with the California Local Agency Investment Fund.

AYES:
Director Bodnar
Director Putnam
Director Raghavachary
Director Tejeda

NOES:
None

ABSENT:
Director Erickson

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL –

GENERAL MANAGER – Mr. Ochoa invited the Board of Directors to attend the 2nd Annual CVWD Chili Cook-off to be held at the Glenwood Plant on October 31 from 11:30 to 1:00. A goal-setting meeting for management personnel will be scheduled in the next few weeks to implement the 2020 Strategic Plan. Mr. Ochoa announced that Mr. Gould provided an Earthquake Awareness Presentation to all CVWD employees on Thursday, October 17.

Mr. Maxwell updated the Board on the repairs made to a 10” water main on October 16 at the intersection of Montrose Avenue & La Crescenta. Ms. Scott reported that multiple CVWD customers have received fraudulent phone calls stating that their water would be turned off for non-payment of their water bill. Information has been posted on CVWD’s Facebook page and Nixle to alert customers of this activity. Mr. Yared gave a progress report for the Brookhill and Markridge Projects. Mr. Lee made a correction to the Director’s stipend report included in the Board packet.

ATTORNEY – No Report

REPORTS OF COMMITTEES

Director Bodnar encouraged staff to engage the Board more through the committee process.

Engineering Committee – Director Erickson reported that the Committee had not met; however, a meeting will be scheduled as needed.

Finance Committee – Director Putnam reported that the Committee had not met; however, a meeting will be scheduled as needed.

Employee Relations Committee – Director Bodnar reported that the Committee had not met; however, a meeting will be scheduled as needed.

Policy Committee – Director Raghavachary reported that the Committee had not met; however, a meeting will be scheduled as needed.

Community Relations/Water Conservation Committee – Director Tejeda reported that the Committee had not met; however, a meeting will be scheduled as needed.

Emergency Planning Committee – Director Tejeda reported that the Committee had not met; however, a meeting will be scheduled as needed.

Executive Committee – Director Bodnar reported that the Committee had not met; however, a meeting will be scheduled as needed.

DIRECTORS ORAL REPORTS

Director Bodnar – No Report

Director Raghavachary – No Report

Director Tejeda – Will be attending Women in Water meeting on October 23, 2019 in Highland California.

Director Putnam – Reported on an article in the CV Weekly summarizing the history of the area.

Director Erickson – Absent

CLOSED SESSION – No reportable items.

ADJOURNMENT

There being no other business to come before the Board, at 9:18 p.m., it was moved by Director Raghavachary, seconded by Director Putnam and carried by a 4-0 vote that the meeting be adjourned to November 12, 2019, at 7:00 p.m.

APPROVED

James D. Bodnar
President

James Lee
Director of Finance & Administration

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1

November 12, 2019

To: Honorable President and Members of the Board of Directors

From: David S. Gould, P.E. – District Engineer

Subject: Status Update - TTHM Mitigation & Disinfection Process Upgrades, Project E-995

ACTION ITEM:

TTHM Mitigation and Disinfection Process Upgrades, Project E-995 – Status update of the transition from chlorination to chloramination

BACKGROUND:

The District uses chlorine as a disinfectant to treat drinking water. Chlorine can create disinfection by-products (DBP) during treatment, also known as Total Trihalomethanes or TTHMs as chlorine reacts with naturally occurring organic matter (NOM) in imported water. The quantity of TTHMs formed are determined by several factors, such as the amount and type of organic material present in water, temperature, pH level, chlorine dosage, contact time, and bromide concentration in the water. CVWD's groundwater wells have low levels of NOM and when groundwater reacts with chlorine, it does not create high levels of TTHMs.

CVWD's imported water supplied by FMWD/MWD is from either the Colorado River (CRW) or the State Water Project (SWP) and in general, water supplied through the SWP has higher levels of NOM than water from the CRW. CVWD receives its imported water from MWD's F.E. Weymouth Plant, which is located near the 210 and 57 freeways in La Verne. MWD uses chloramines, which is a combination of chlorine and ammonia, which provides a longer-lasting disinfection and produces lower TTHM levels. The District converts the chloramine in the imported water to free chlorine and maintains free chlorine in the distribution system. This achieved by adding a sufficiently high chlorine dose to the groundwater being blended with MWD water such that there is "breakpoint" chlorination and results in blended water containing only free chlorine as disinfection.

Since late 2015, the District has increased the amount of imported water used due to the ongoing drought, which resulted in lower groundwater production. The District water supply typically was 60% groundwater to 40% imported water from FMWD/MWD. In late 2015, the groundwater to FMWD water supply ratio changed to 60% FMWD and 40% groundwater. This resulted in an increased usage of chlorine to achieve "breakpoint" chlorination and CVWD began to see an increase in TTHM levels in its reservoirs.

DISCUSSION:

Conversion to Chloramine Process:

In August 2018, staff alerted the Board that the TTHM level had exceeded the Operational Evaluation Level (OEL) at one reservoir for the August 2018 reporting period. TTHM results are reported to the State Water Resources Control Board, Division of Drinking Water (DDW) on a quarterly basis for compliance.

Staff started working with Dr. Issam Najm from Water Quality & Treatment Solutions (WQTS) to assist in providing immediate, short, and long-term TTHMs mitigation options. Dr. Najm made a presentation to the Board about switching CVWD's disinfection process from free chlorine to chloramines.

The Board and staff agreed to proceed with conversions of the disinfection system to chloramines, which included additional ammonia injection stations and in the interim period, perform operational changes to the system to reduce the TTHM levels until the chloramine system was constructed.

Mr. Najm provided a TTHMs Mitigation Option Decision Tree that laid out a course of action if the TTHM levels continued to rise and when to convert to chloramines. Staff also informed DDW of CVWD's intent to convert to a chloramine system and requested a checklist of information need to amended CVWD's operational permit with DDW.

Since August 2018, staff has worked with a number of consultants, vendors and contractors to inform the public and install the new disinfection system, which included the following:

- Public Outreach
 - o Prepared and sent a chloramine conversion brochure to CVWD customers
 - o Presented a public workshop on the chloramine conversion
- Water Quality
 - o Perform bench scale analyses of CVWD's groundwater and imported water to determine how long it will take to create TTHM's and the potential for nitrification
 - o TTHM Study – continued sampling for TTHMs at all reservoirs on a weekly basis to see how the levels rose or lowered based on operational changes
 - o Provided staff training for the conversion to chloramines
- Glenwood Plant
 - o Designed and installed new ammonia injection skid system
 - o Designed and installed a concrete vault for the ammonia injection
 - o Designed and installed a new chlorine analyzer for monitoring free chlorine & total chlorine residuals
 - o Designed & upgraded SCADA equipment and programming to automate & monitor the chlorine & ammonia systems
 - o Installed conduits for power, telemetry and ammonia feed lines
- Mills Plant
 - o Designed and installed new ammonia injection skid system on a concrete pad
 - o Installed an ammonia tank with safety equipment
 - o Install new ammonia injection connection prior to the forebay steel tanks
 - o Designed and installed a new chlorine analyzer for monitoring free chlorine and total chlorine levels
 - o Designed & upgraded SCADA equipment and programming to automate and monitor the chlorine & ammonia systems
 - o Installed conduits for power, telemetry and ammonia feed lines
- Pickens Canyon Reservoir
 - o Designed and purchased a new ammonia injection skid system with a concrete pad
 - o Designed a new chlorine analyzer system for monitoring free chlorine & total chlorine levels
 - o Upgrades to SCADA equipment and programming to automate and monitor the chlorine & ammonia systems
 - o Designed conduits for power, telemetry and ammonia feed lines
- Well 2
 - o Designed and purchased a new ammonia injection skid system
 - o Designed a new chlorine analyzer system for monitoring free chlorine & total chlorine levels
- Water System Monitoring
 - o Design and installed new chlorine analyzers, SCADA equipment and integration at the following locations:
 - Goss Canyon Reservoir
 - Cresta Heights Reservoir
 - Dunsmore Reservoir
 - Shields Reservoir
 - Eagle Canyon Reservoir

- o Upgraded chlorine analyzers at the following locations:
 - Encinal Reservoir Rosemont Reservoir
 - Williams Reservoir Ordunio Reservoir
 - Oak Creek Reservoir Markridge Reservoir
 - Edmund #1 & #2 Reservoirs Pickens Canyon Reservoir
- Water Distribution System
 - o Flushed and cleaned 111 dead-end pipelines using a no-discharge flushing system
- Amending CVWD's Water Supply Permit with DDW
 - o Prepared a Nitrification Prevention, Monitoring & Control Plan including sampling protocol
 - o Revised CVWD's Emergency Chlorination Plan
 - o Prepared an chlorine and ammonia control strategy plan

TTHM's Monitoring and Results

Staff has been monitoring the TTHM levels on a weekly basis to ensure that operational changes such as reducing the amount of water storage, the length of time that water is stored and adjusting chlorine residual levels, which has resulted in reduction in the TTHM levels over the last year. As shown on the attached charts, the results at the four (4) compliance locations have reduced below CVWD's target level of 65 ug/L.

Staff had previous concerns that the summer heat and high demands will result in higher TTHM levels. However, through close monitoring and operational changes, the TTHM levels remained below the target level. However, the system storage capacity has varied from 50% to 65% of total capacity and to ensure water availability during an event such as earthquake or fire, staff would like to have more water available in storage.

Next Steps

The next steps are to complete the following activities and prepare to convert the system to chloramines:

- Glenwood & Mills Plant
 - o Complete SCADA programing and integration
 - o Order and install liquid sulfate ammonia (LAS)
 - o Disinfection system testing
- Pickens Canyon Reservoir & Well 2
 - o Installation of piping and equipment
 - o SCADA programing and integration
 - o Order and install liquid sulfate ammonia (LAS)
 - o Disinfection system testing
- Public Outreach
 - o Re-send chloramine conversion brochure to CVWD customer prior to conversion
- Operation Conversion
 - o Prepare chloramine conversion plan
 - o Coordination with FMWD
 - o Operational changing in water distribution to use MWD water for a short period
 - o Staff training
- Amending CVWD's Water Supply Permit with DDW
 - o Complete and submit the request with information to convert to chloramines
 - o DDW review and responds to comments
 - o DDW site visit

FUNDING AVAILABILITY: The following is an update of funding and expenses to date for review and discussion:

Account Description	Amount - 10/8/19	Amount - 11/12/19	Difference
Transfer from MTBE Reserve Fund (9/25/18)	\$410,000	\$410,000	\$0
Transfer from MTBE Reserve Fund - (11/20/18)	\$500,000	\$500,000	\$0
Transfer from MTBE Reserve Fund - (5/28/19)	\$90,000	\$90,000	\$0
FY 19/20 - Additional Funding from CIP Budget (10/8/19)	\$225,000	\$225,000	\$0
Total Estimated Cost for Project	\$1,225,000	\$1,225,000	\$0
Consultants - Planning, Design & Construction Admin			
WQTS - Planning & Design	\$144,240	\$144,240	\$0
Hazen & Sawyer - Water Quality	\$11,971	\$11,971	\$0
John Robinson Consulting - Project Management	\$45,225	\$45,225	\$0
Grace Environmental Services (3 months part-time service) (Estimate)	\$0	\$0	\$0
Apex Manufacturing Solution - SCADA programing and integration	\$54,165	\$54,165	\$0
Apex Manufacturing Solution - SCADA programing and integration for Pickens (Estimate)	\$25,000	\$25,000	\$0
Apex Manufacturing Solution - SCADA programing and integration for Well 2 (Estimate)	\$15,000	\$15,000	\$0
New Chlorine Analyzers - 6 locations - Hazen and Sawyer - Design	\$44,505	\$44,505	\$0
Public Notification - CV Strategies	\$4,935	\$4,935	\$0
WQ Sampling - 9/1/18 to 6/30/19 (FY 18/19)	\$55,125	\$55,125	\$0
WQ Sampling - 7/1/19 to 10/15/19 (FY 19/20)	\$11,570	\$11,570	\$0
WQ Sampling - 10/15/19 to 12/31/19 (Estimate)	\$33,800	\$33,800	\$0
Subtotal	\$445,536	\$445,536	\$0
Construction			
Ammonia Injection Skids (2)	\$41,166	\$41,166	\$0
SCADA - Equipment (RTU's, Communication, cabinets, etc..)	\$14,642	\$14,642	\$0
Concrete Pad & Grading at Mills	\$7,011	\$7,011	\$0
Ammonia Inject Vault at Glenwood	\$74,588	\$74,588	\$0
Ammonia Tank at Mills	\$6,922	\$6,922	\$0
Static Mixer & Ammonia Injection System	\$11,236	\$11,236	\$0
Conduits/Wiring/Electrical Materials	\$11,542	\$11,542	\$0
Upgrade Chlorine Analyzers (Mills & Glenwood)	\$18,647	\$18,647	\$0
Safety - Eye Wash, Containment, etc.. (materials only)	\$10,230	\$10,230	\$0
On-site Welding	\$4,249	\$4,249	\$0
Misc	\$75	\$75	\$0
Pickens Canyon Reservoir - Ammonia/Chlorine System Equipment & Installation (Estimate)	\$58,000	\$41,250	(\$16,750)
Pickens Canyon Reservoir - Concrete Pad/Grading (Estimate)	\$17,500	\$11,320	(\$6,180)
Pickens Canyon Reservoir - Piping Materials & Installation (Estimate)	\$35,000	\$19,454	(\$15,546)
Pickens Canyon Reservoir - SCADA Equipment (Estimate)	\$7,500	\$4,750	(\$2,750)
Well 2 - Ammonia System Equipment & Installation (Estimate)	\$30,000	\$21,250	(\$8,750)
Well 2 - Ammonia System SCADA Equipment (Estimate)	\$7,500	\$7,500	\$0
Subtotal	\$355,807	\$305,831	(\$49,976)
Operations & Maintenance			
Upgrade Chlorine Analyzers - 4 locations Equipment (Hach)	\$27,555	\$27,555	\$0
Upgrade Chlorine Analyzers - 7 locations Equipment (ProMinent)	\$36,372	\$36,372	\$0
New Chlorine Analyzers - 6 locations - APEX SCADA Programing	\$36,405	\$36,405	\$0
New Chlorine Analyzers - 6 locations - SCADA Equipment	\$70,681	\$70,681	\$0
New Chlorine Analyzers - 6 locations - Equipment (Hach)	\$63,792	\$63,792	\$0
Dead-ends Water Main Flushing - Valvetek	\$154,624	\$154,624	\$0
Misc	\$1,078	\$1,078	\$0
Subtotal	\$390,508	\$390,508	\$0
Total Cost	\$1,191,851	\$1,141,875	(\$49,976)
Amount Remaining	\$33,149	\$83,125	

SUMMARY:

Staff anticipates the construction of the new ammonia systems at Pickens Canyon and Well 2 will be completed by the end of December 2019. Staff will submit to DDW in December 2019 and the permits should be approved in late January 2020. Staff anticipates the process to convert will start in February 2020, which will include public outreach and be completed by early March 2020.

Prepared by:



David S. Gould, P.E.
Director of Engineering

Submitted by:



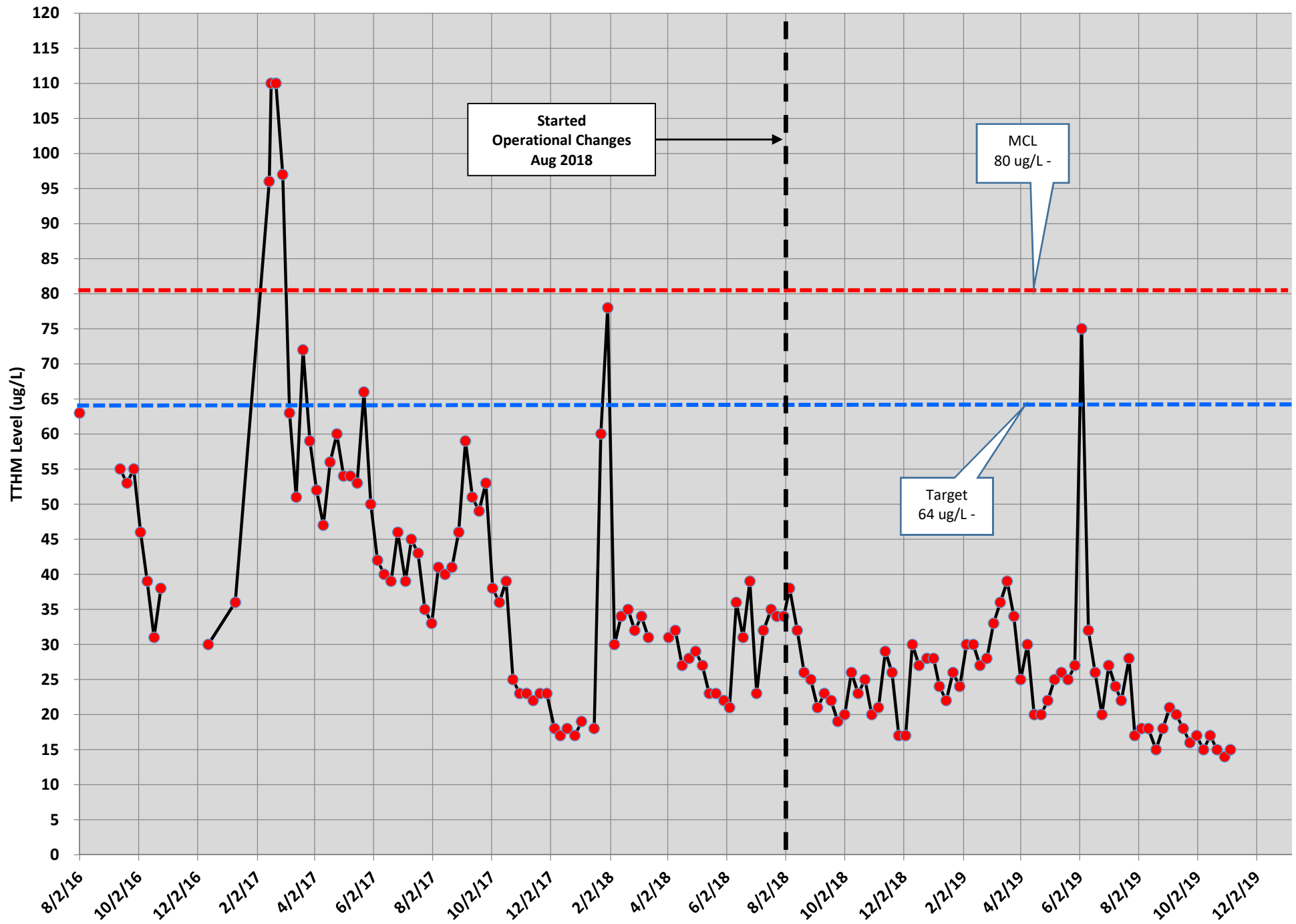
Nem Ochoa
General Manager

Attachments:

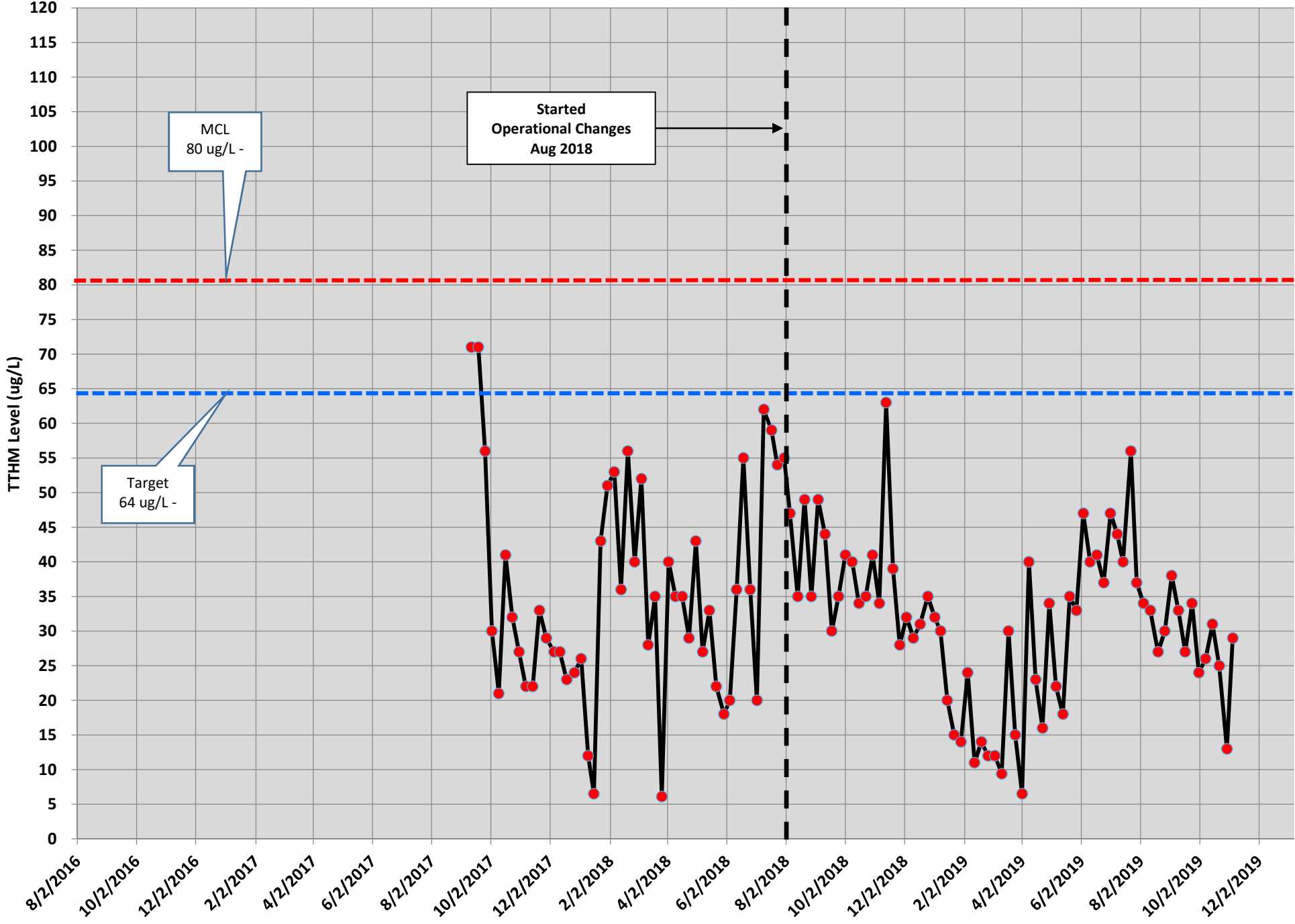
1. TTHM Charts dated 11-08-19

g:\management\board meeting staff reports\2019\11-12-19 board memo - e-995 disinfection process upgrades -status memo - 27.docx

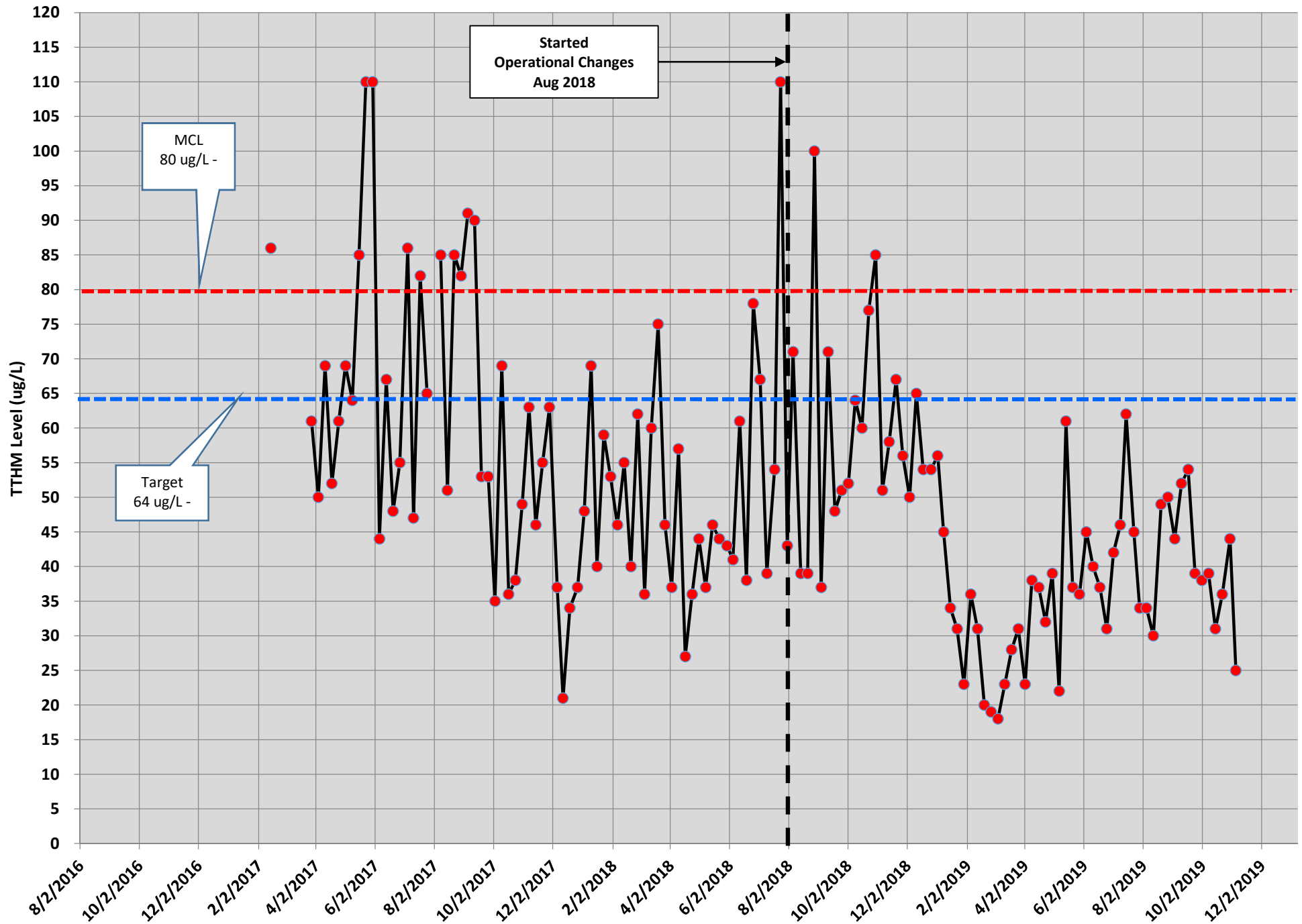
FMWD at Paschall Booster - TTHM's Levels



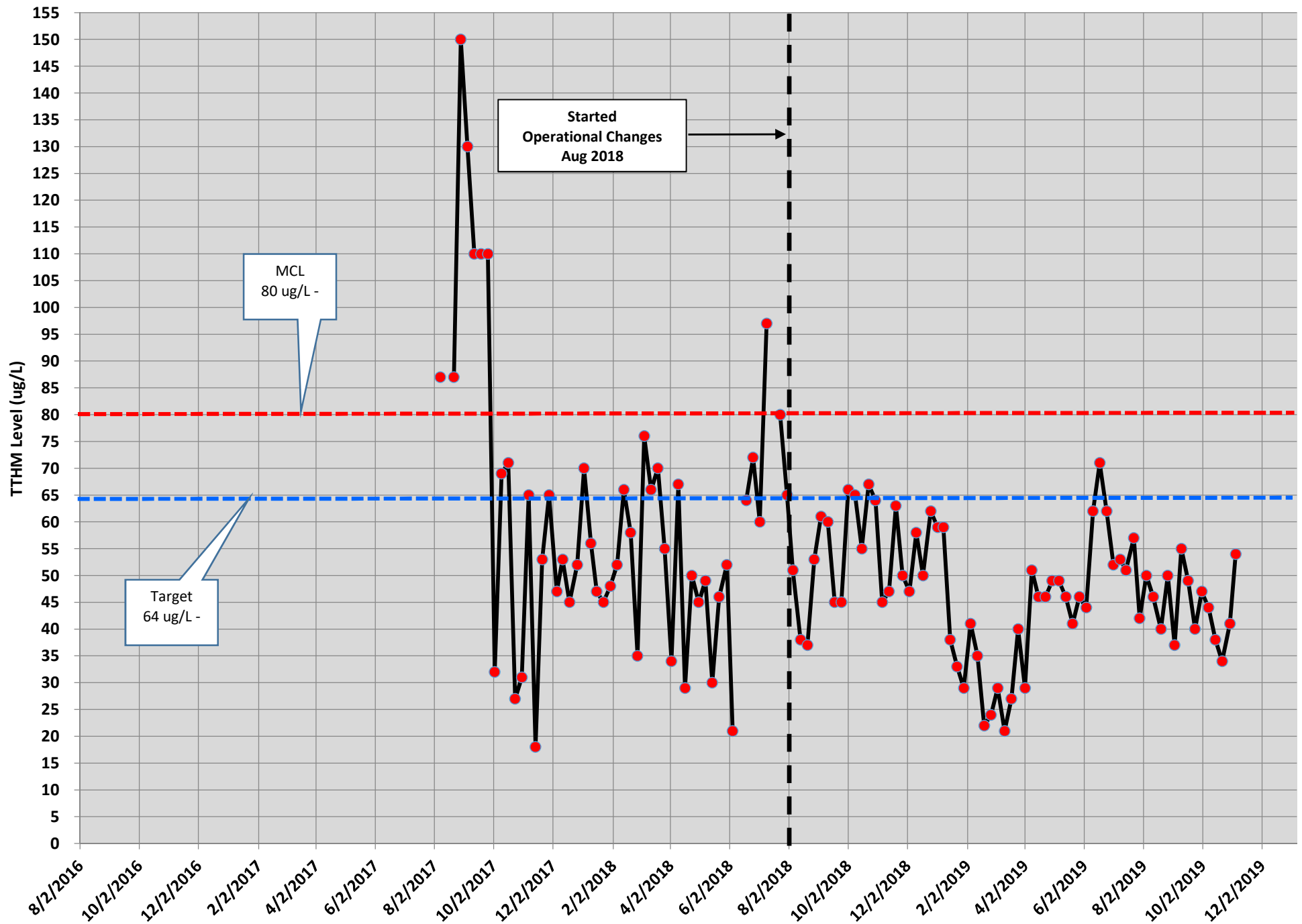
Encinal Reservoir (Zone 1) - TTHMs Levels



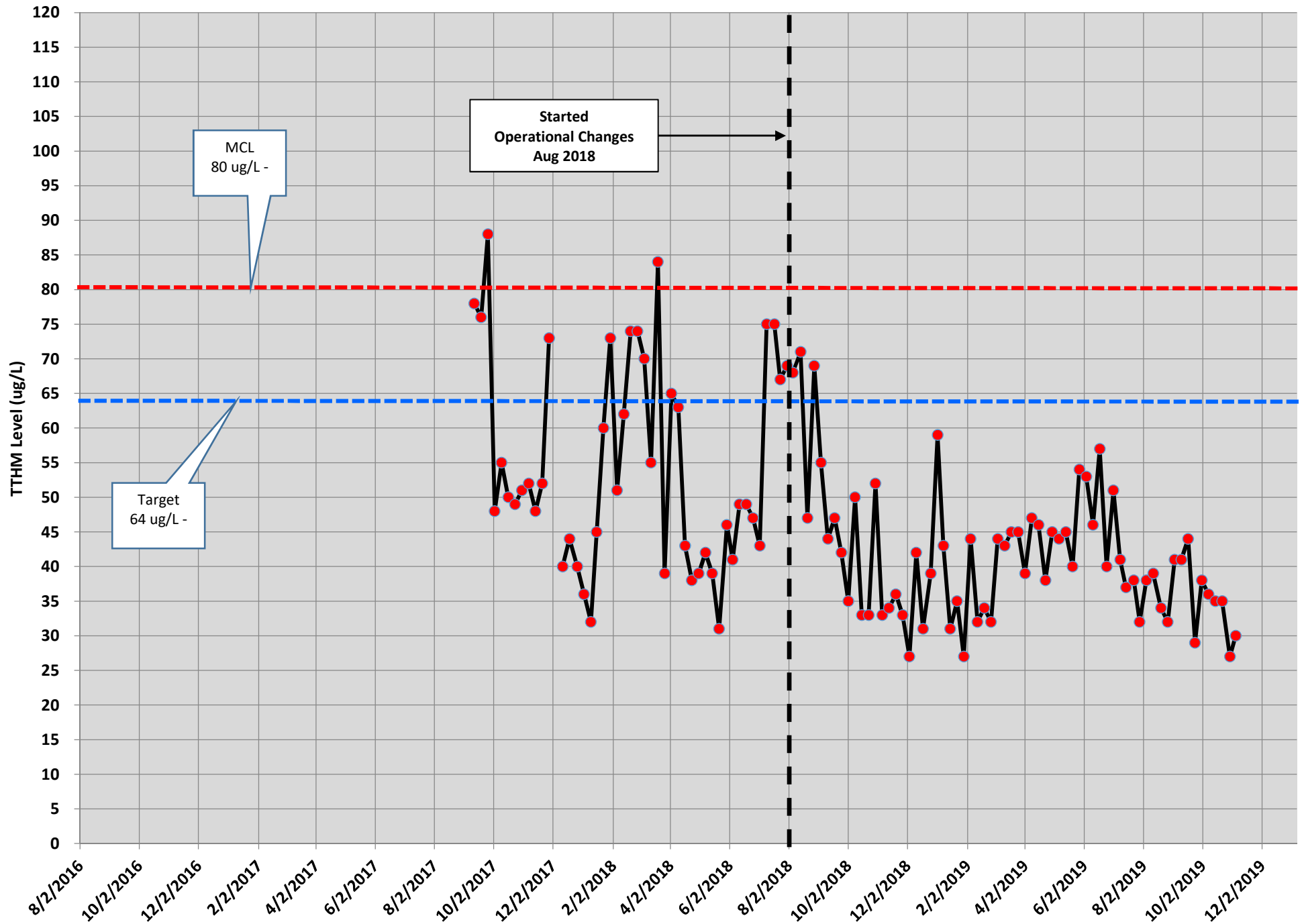
Williams Reservoir (Zone 2) - TTHMs Levels



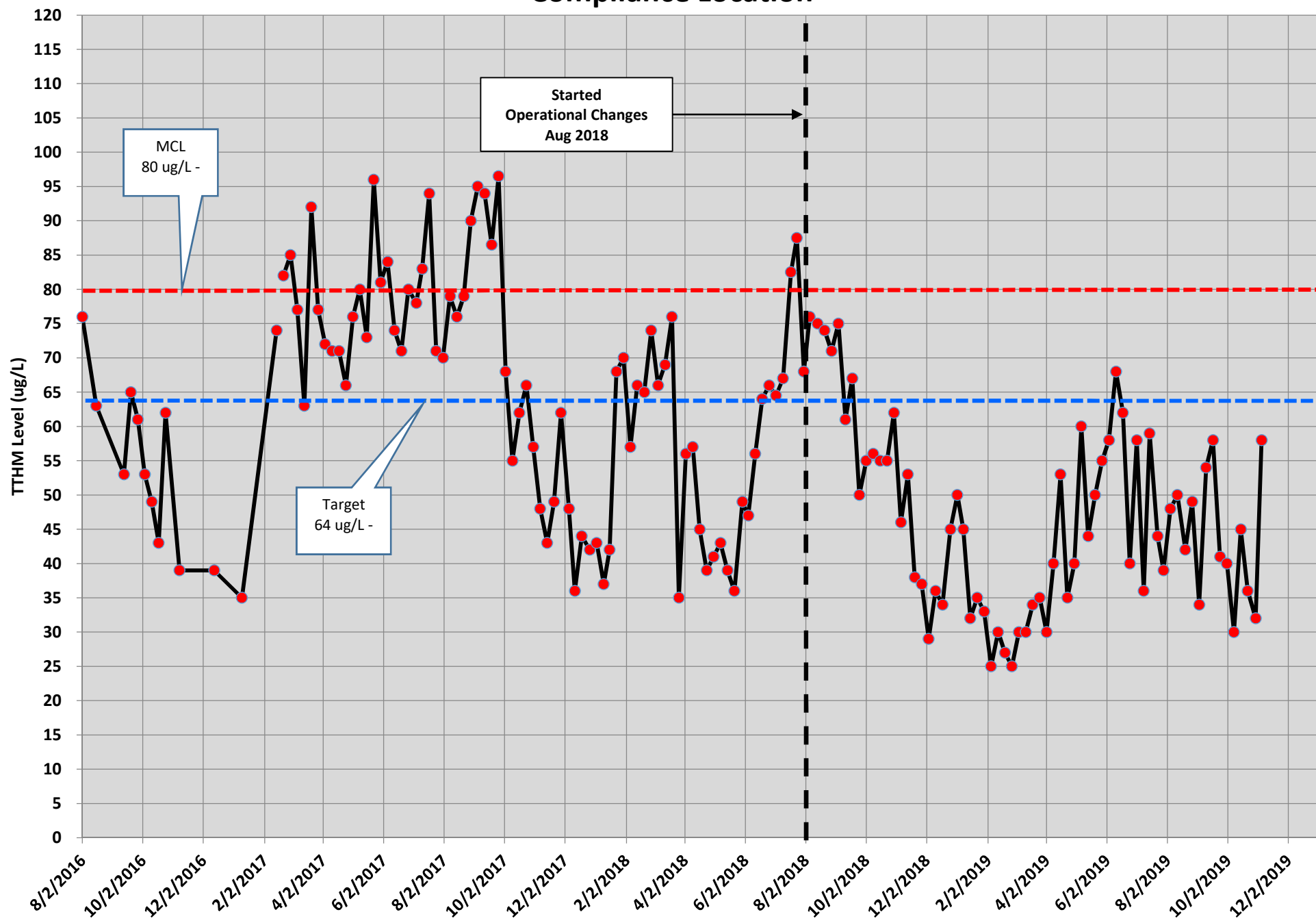
Ordunio Reservoir (Zone 2) - TTHMs Levels



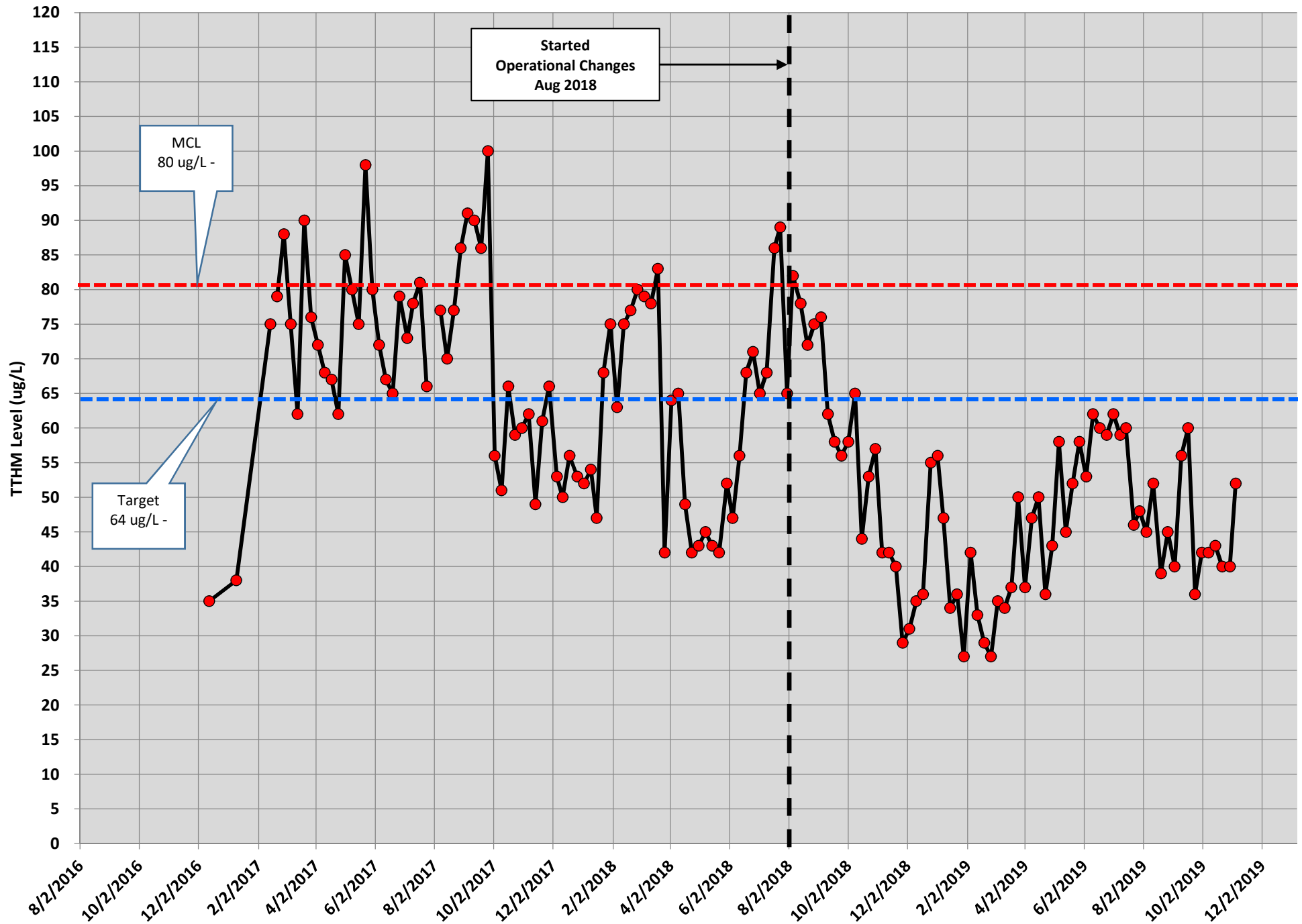
Rosemont Reservoir (Zone 3) - TTHMs Levels



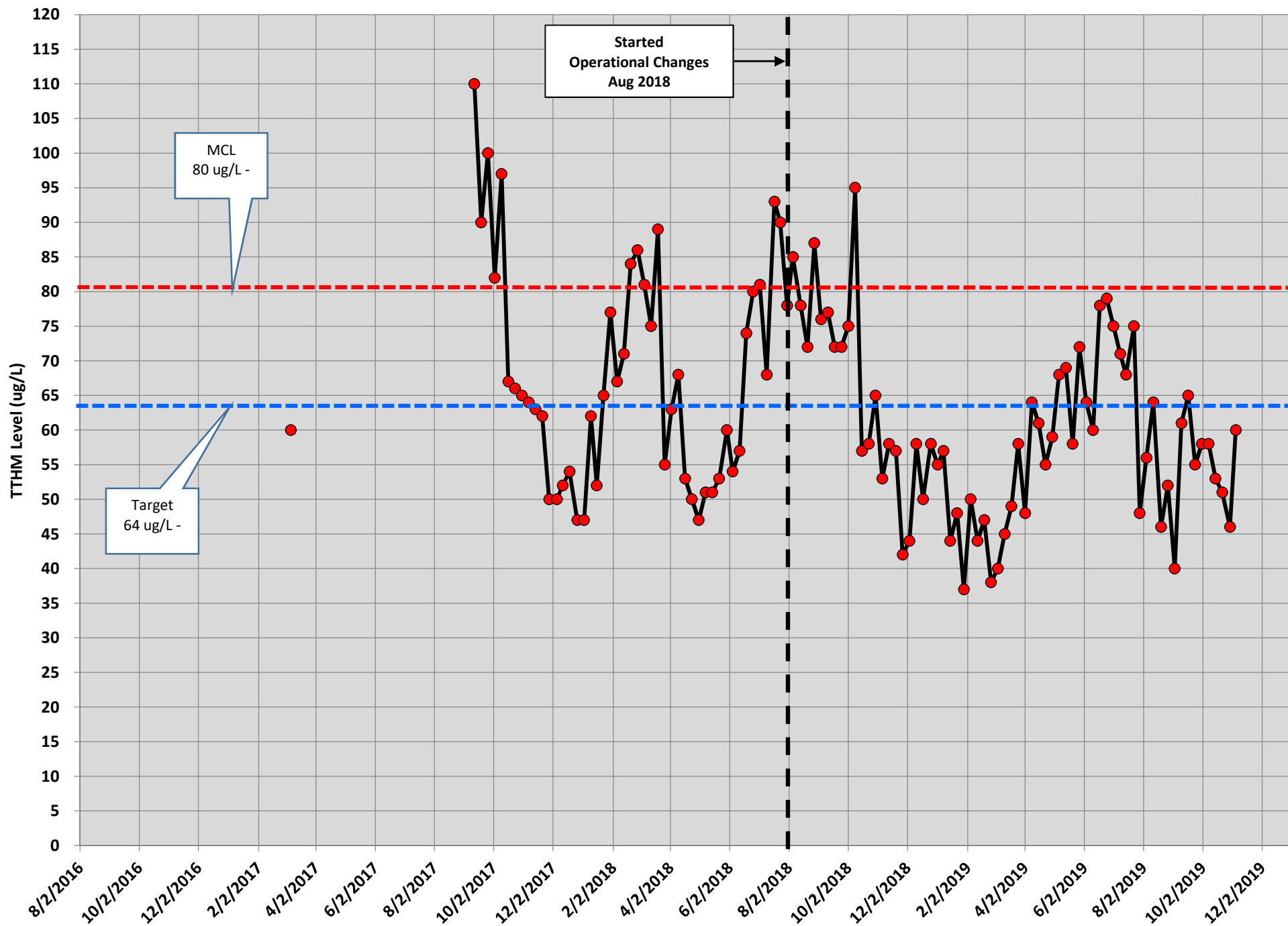
Oak Creek Reservoir (Zone 4) - TTHMs Levels Compliance Location



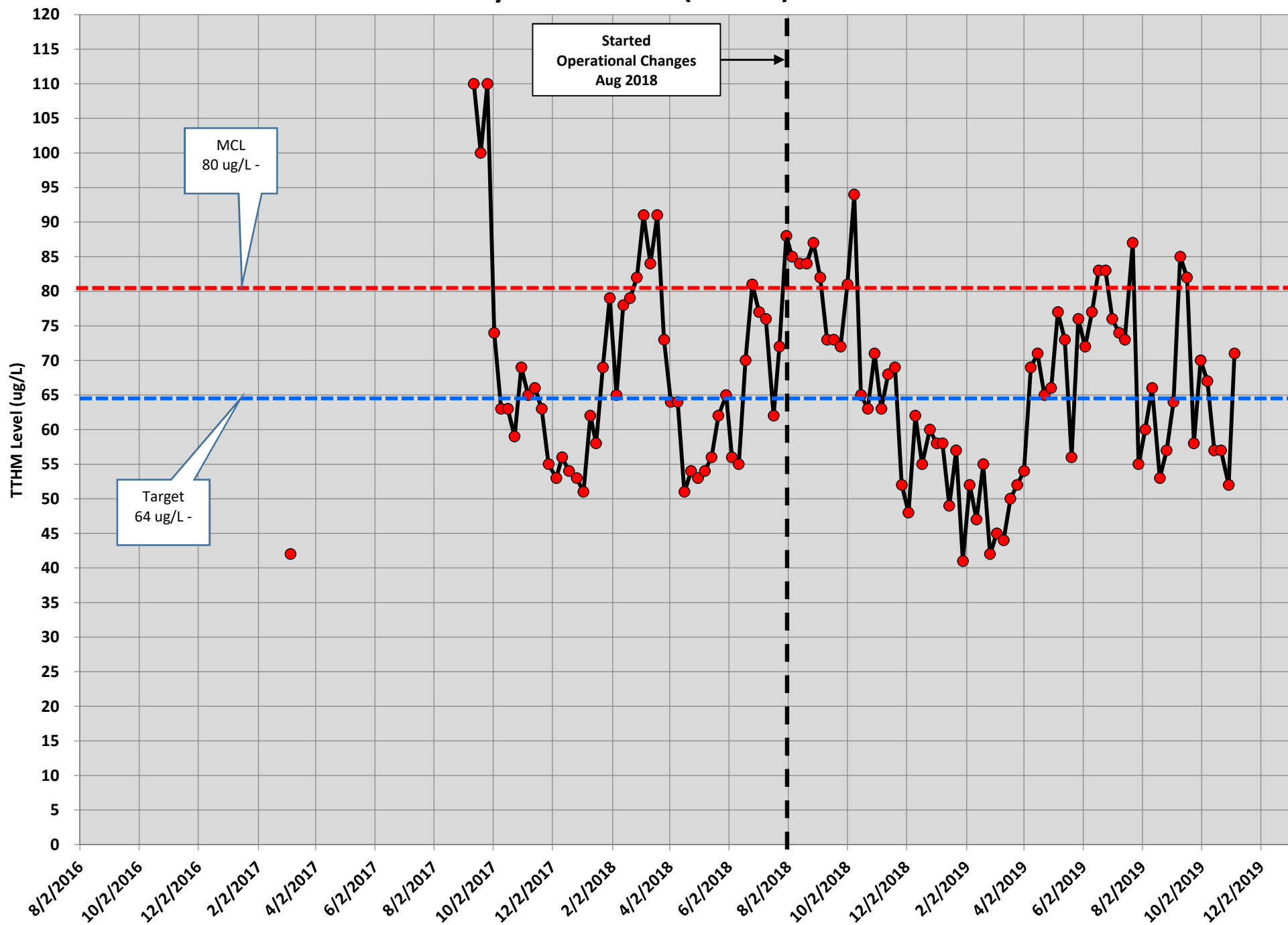
Markridge Reservoir (Zone 5) - TTHMs Levels



Eagle Canyon Reservoir (Zone 5) - TTHMs Levels

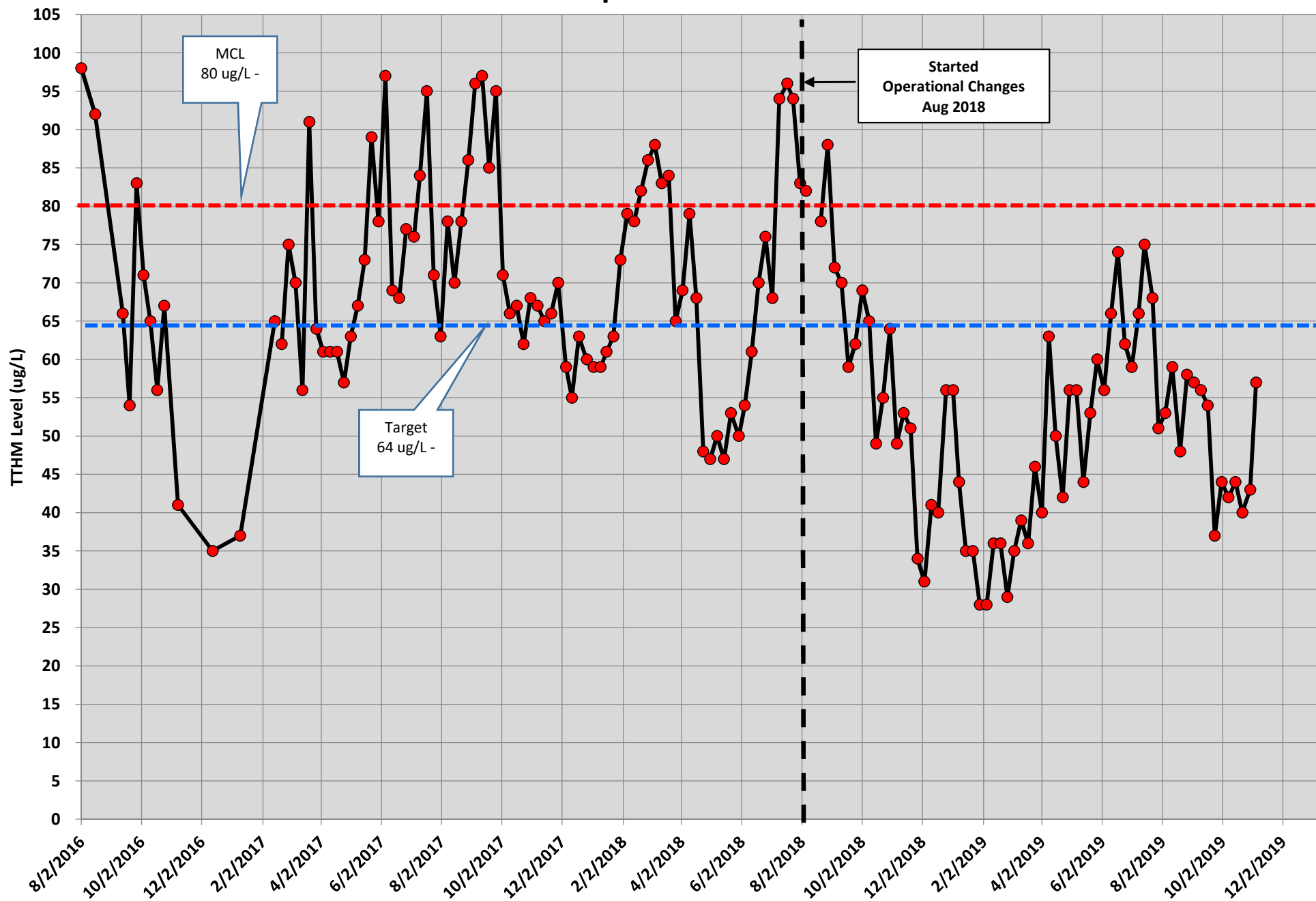


Goss Canyon Reservoir (Zone 6) - TTHMs Levels

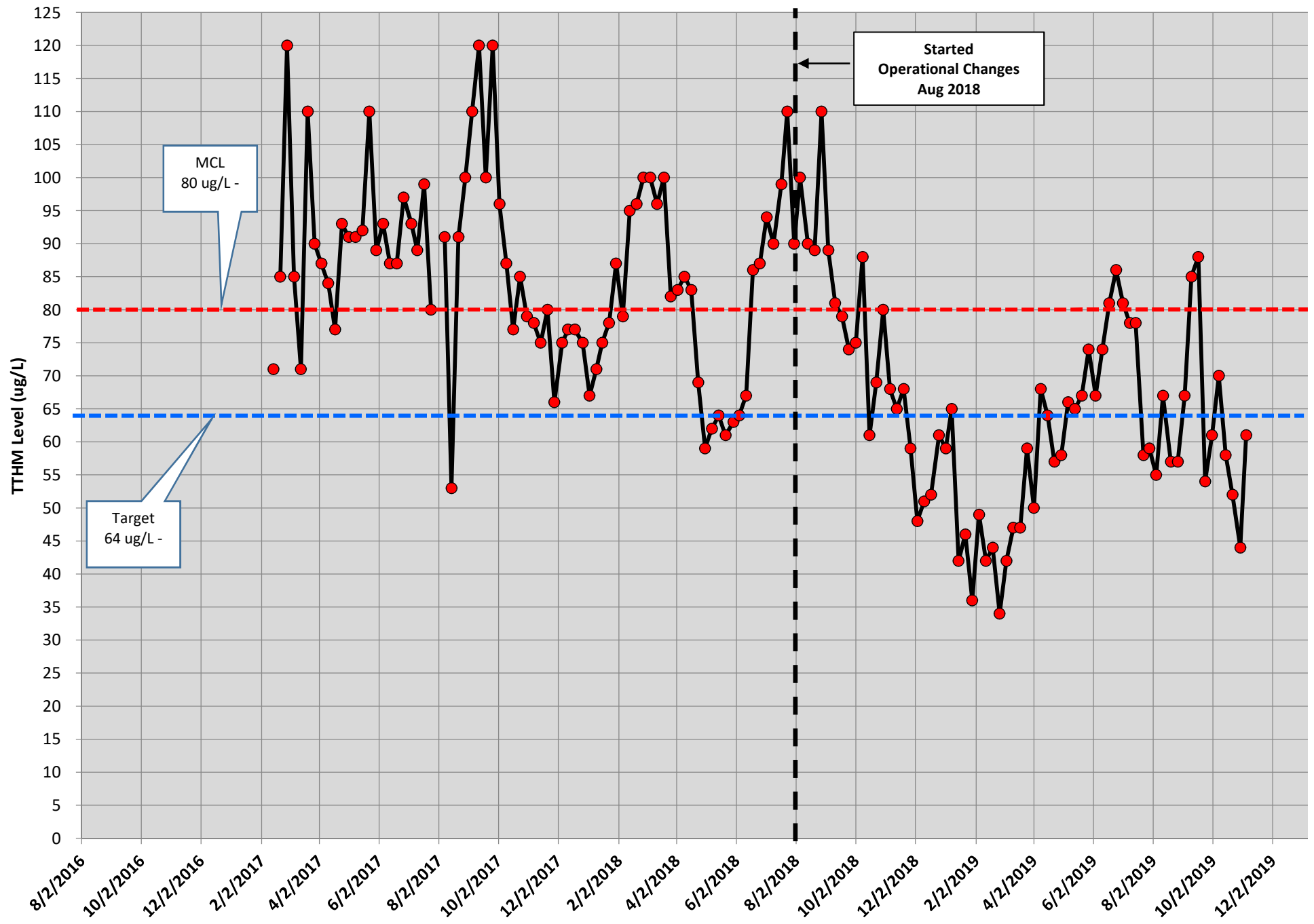


Dunsmore Reservoir (Zone 7) - TTHMs Levels

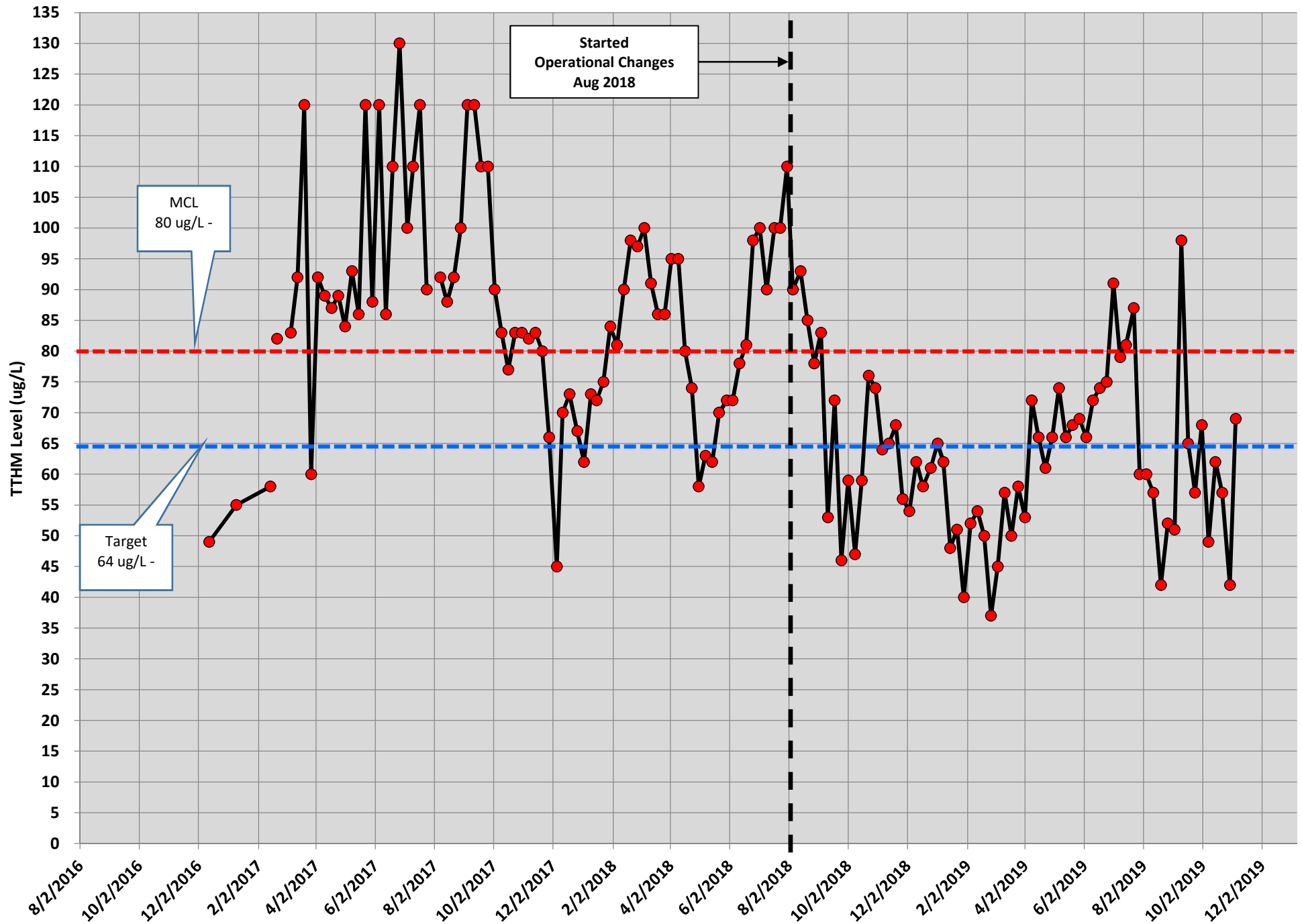
Compliance Location



Cresta Heights Reservoir (Zone 8) - TTHMs Levels

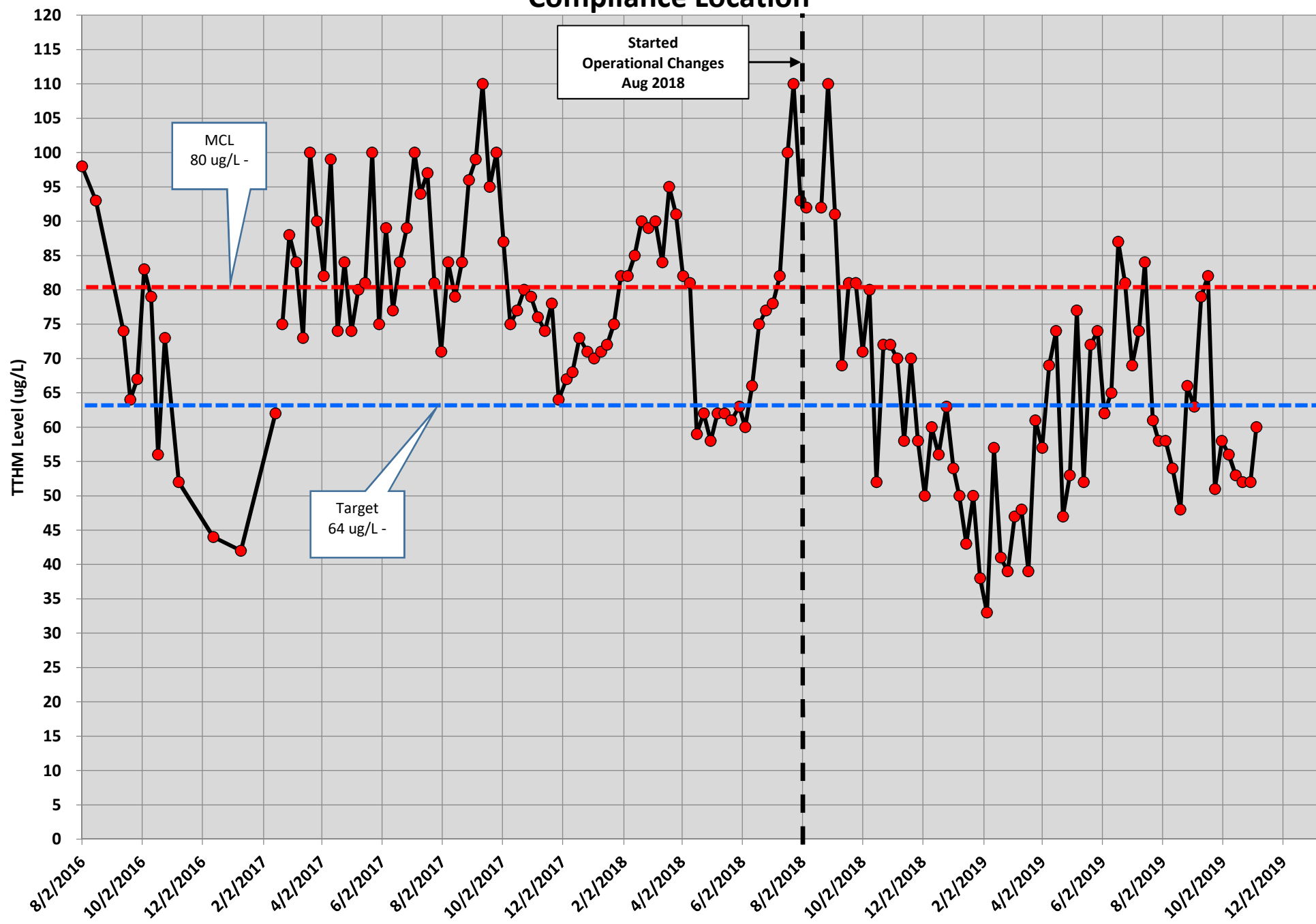


Edmund No. 1 Reservoir (Zone 9) - TTHMs Level

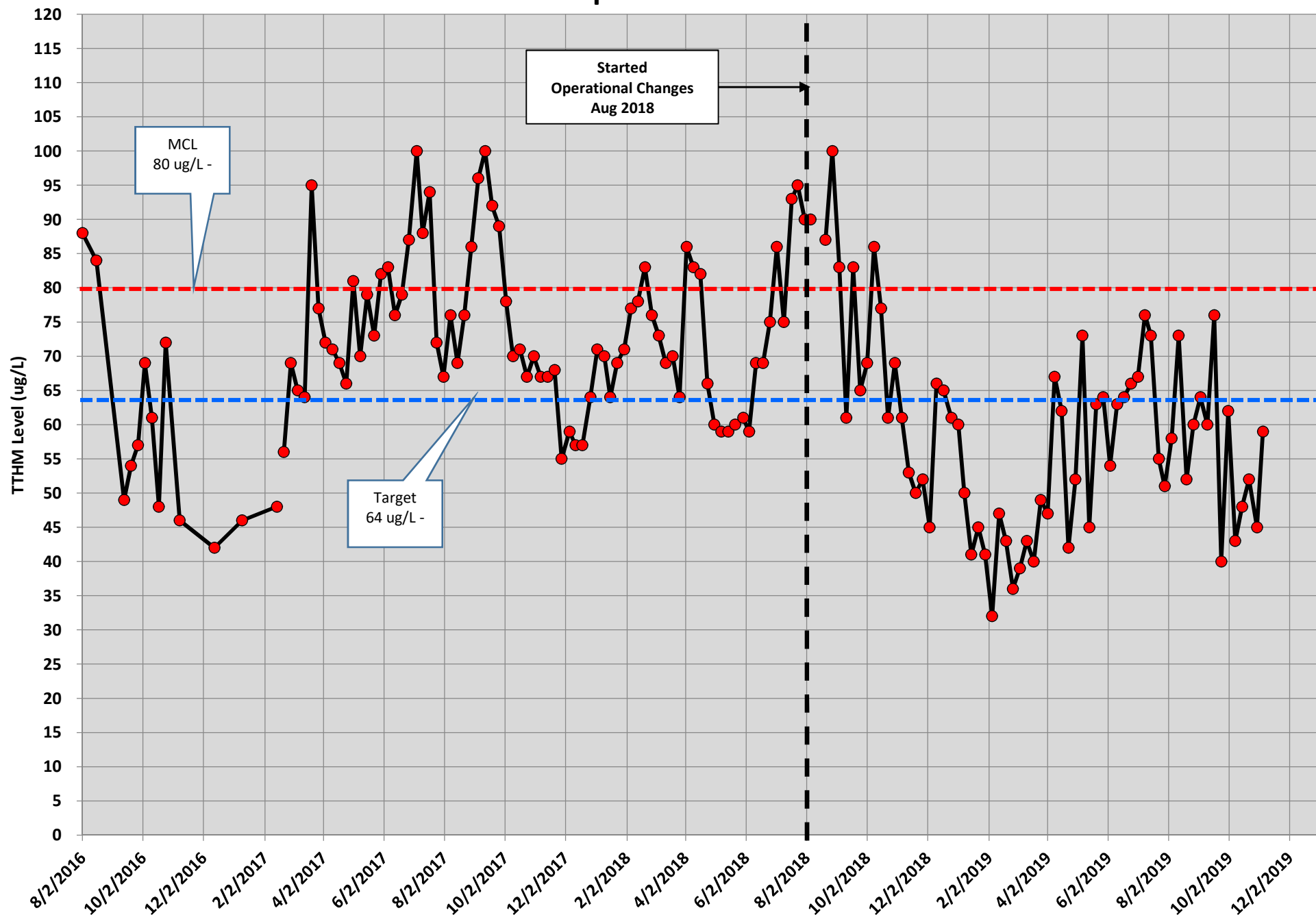


Edmund No. 2 (Zone 9) - TTHMs Levels

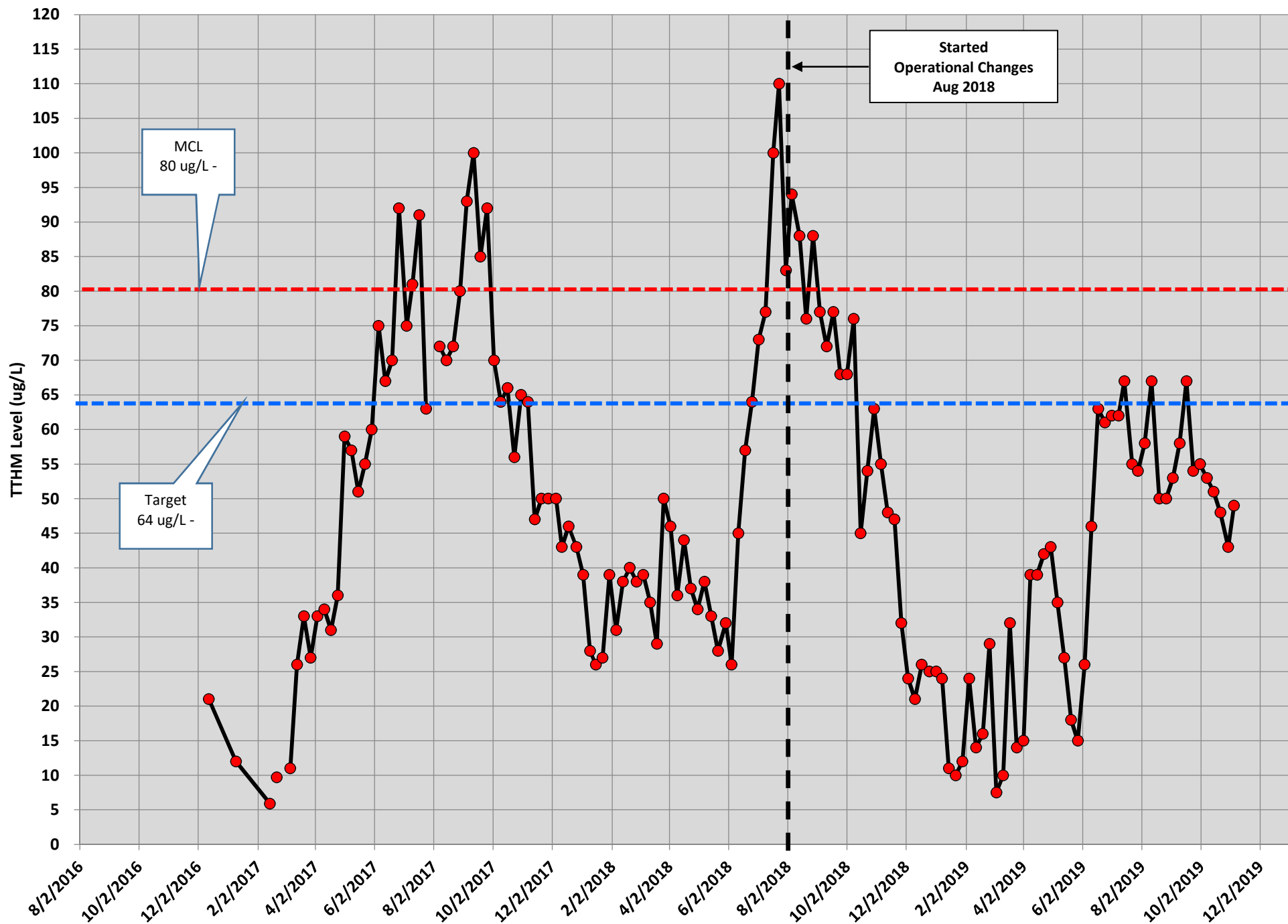
Compliance Location



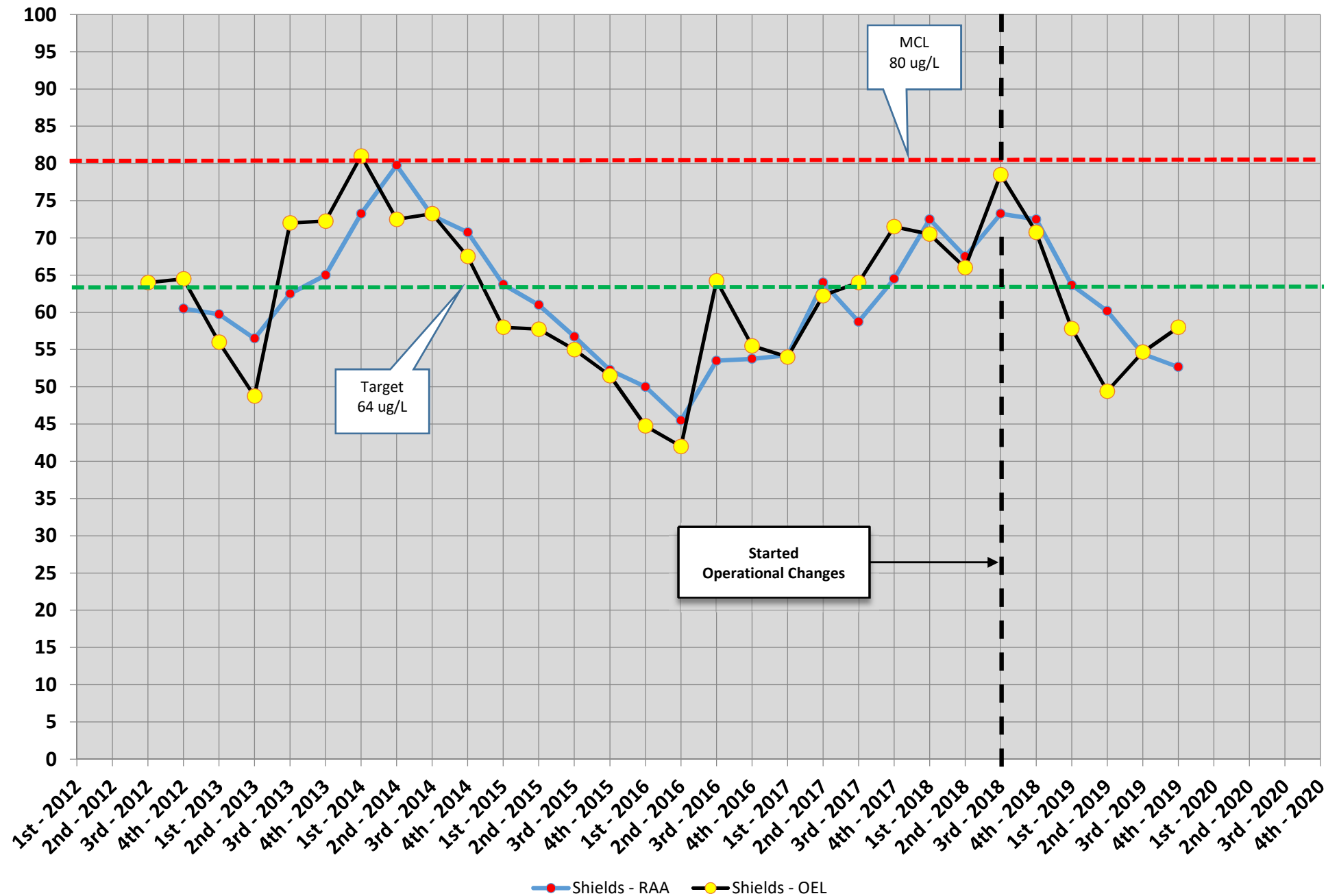
Shields Reservoir (Zone 10) - TTHMs Levels Compliance Location



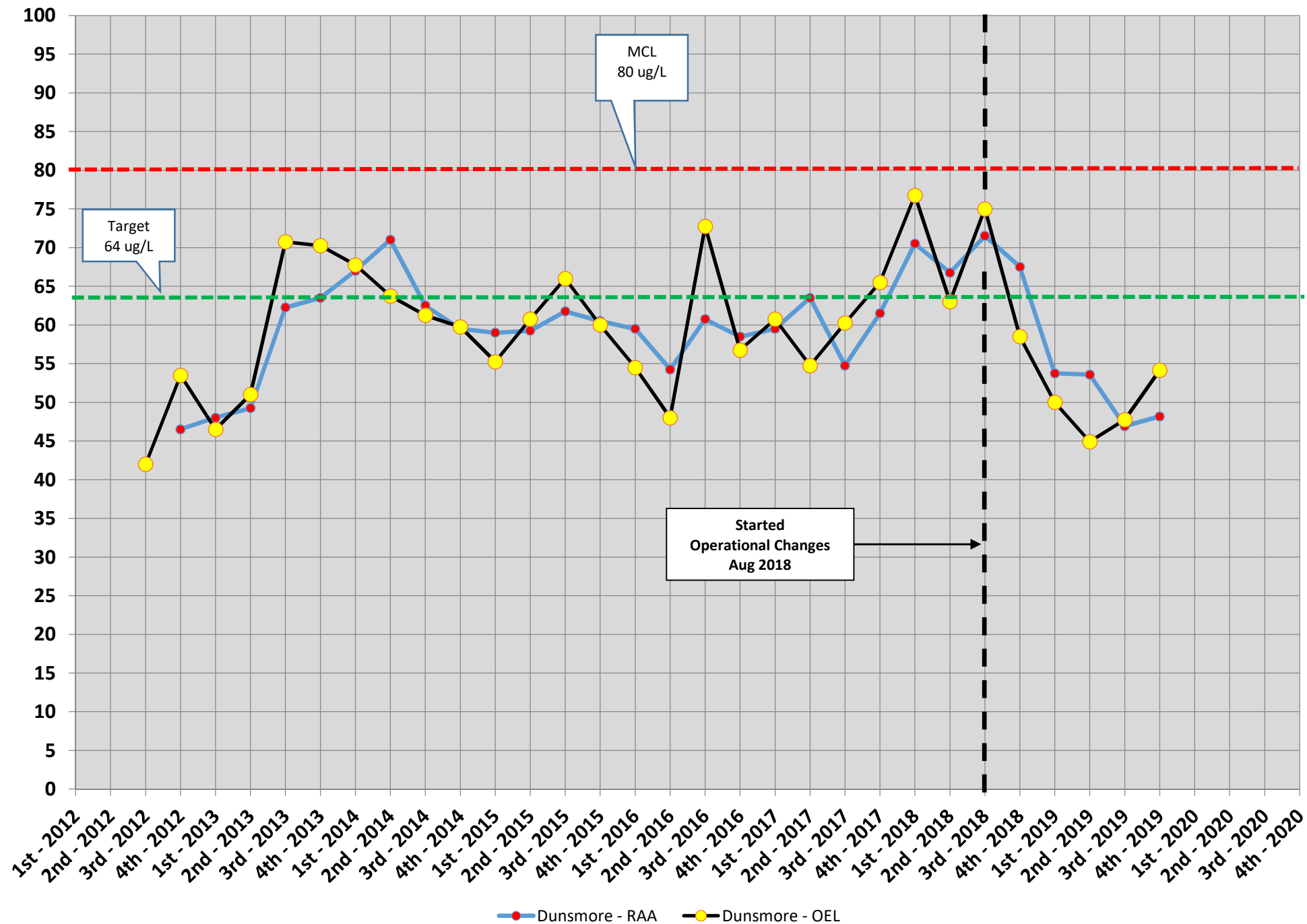
Pickens Reservoir (Zone 11) - TTHMs Levels



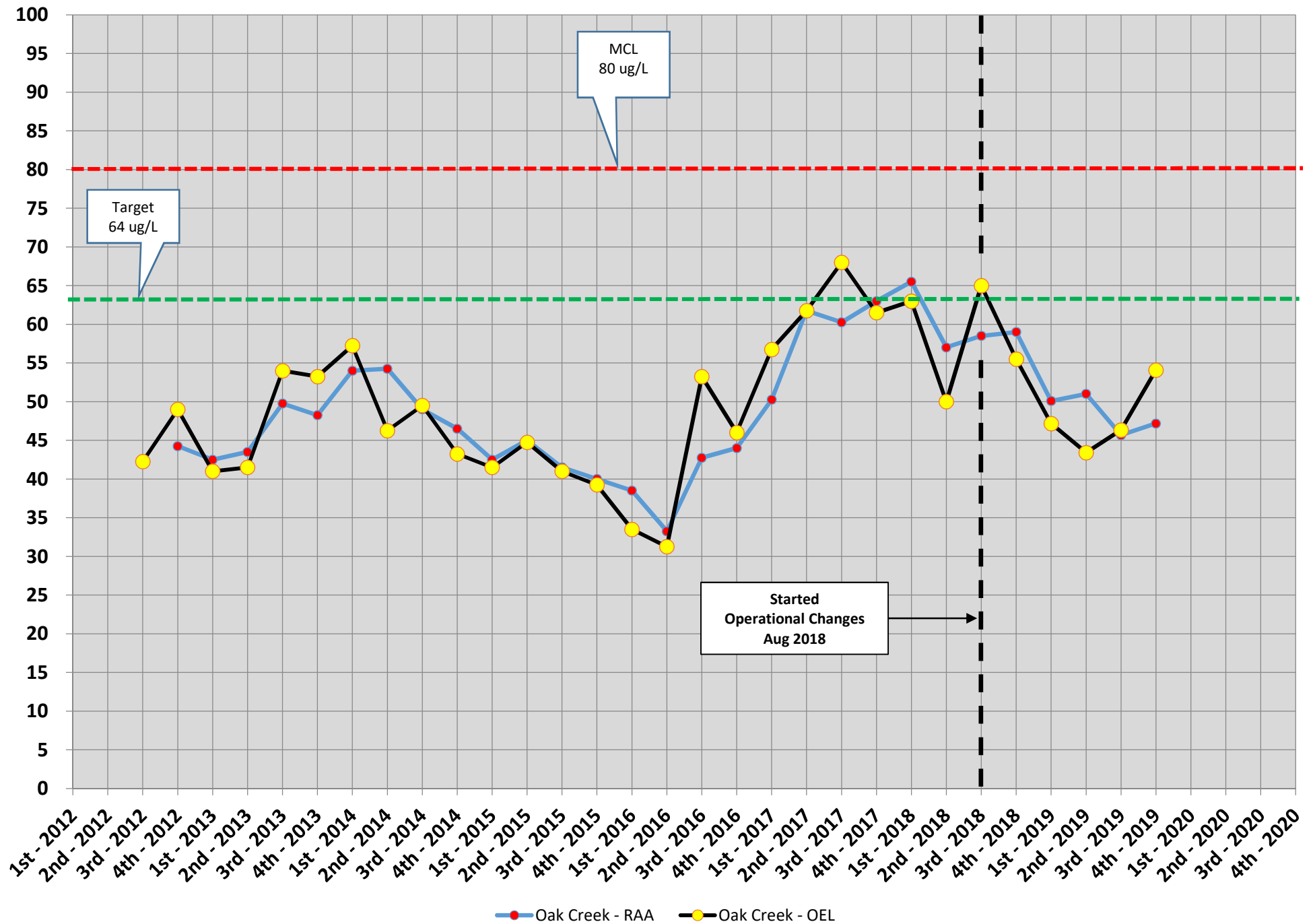
Shields - Quarterly TTHM - Running Annual Average 2012 - 2019



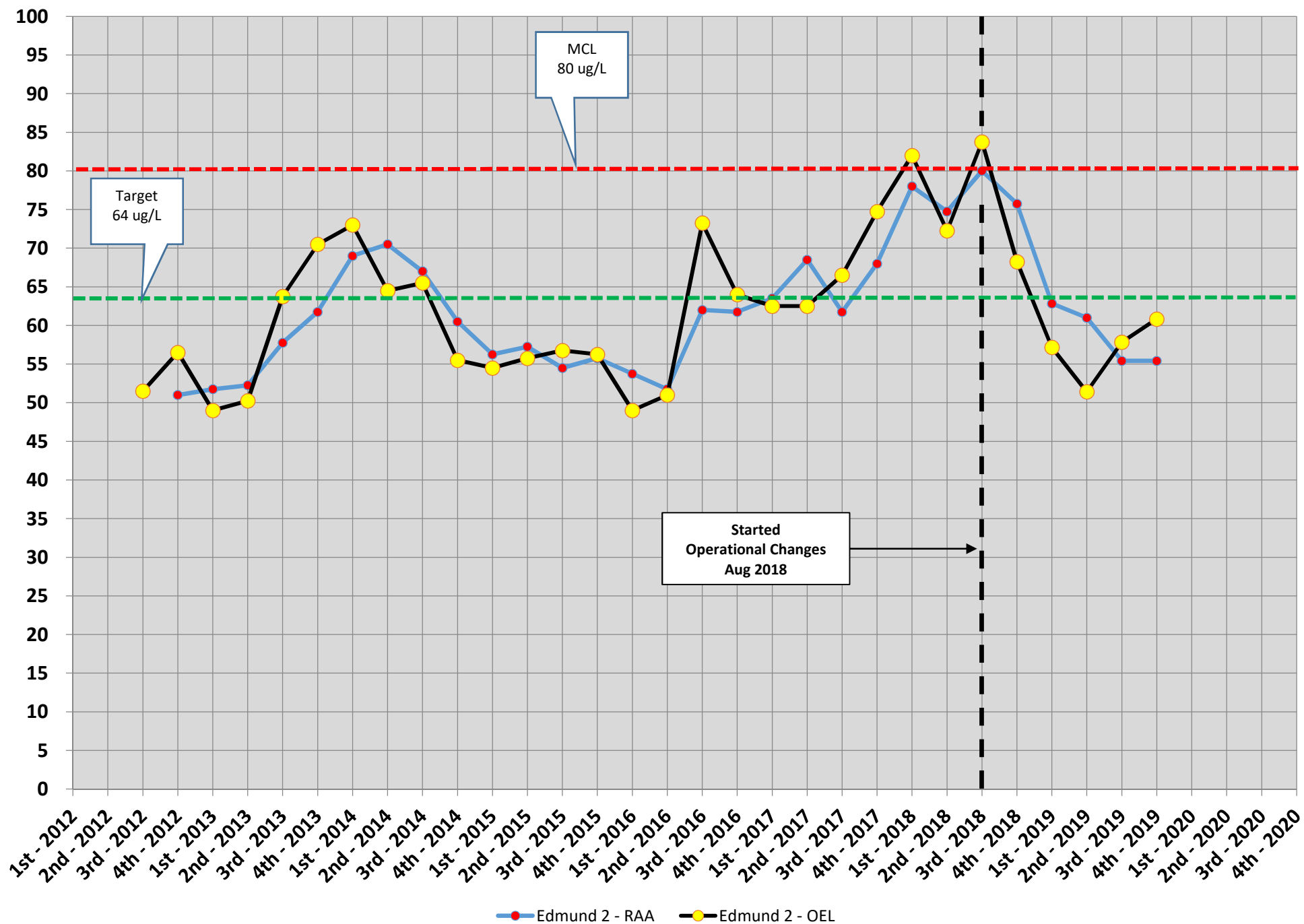
Dunsmore - Quarterly TTHM - Running Annual Average 2012 - 2019



Oak Creek - Quarterly TTHM - Running Annual Average 2012 - 2019



Edmund II - Quarterly TTHM - Running Annual Average 2012 - 2019



CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2

November 12, 2019

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa – General Manager
Subject: **Award of Contract for Consulting Services for the 2020 Wastewater Cost-of-Service Study**

ACTION ITEM:

Consideration and motion to authorize the General Manager to enter into an agreement for a wastewater cost-of-service study to Raftelis Financial Consultants, Inc. at a cost of \$19,500 and establish a contingency amount of \$1,950 (10% of contract) to cover the cost of unforeseen or additional work.

BACKGROUND / DISCUSSION:

During the October 22, 2019 Board meeting, the Board approved a water cost-of-service study to meet the requirements of Article XIII D of the California Constitution, more commonly referred to as Proposition 218.

Staff is considering conducting a wastewater cost-of-service study as well for several reasons:

1. Service Value – The District secured a services contract with good value for the water study. This was based on completing a large part of the analysis internally by staff. Staff can provide this analysis internally for a wastewater study as well, and the proposed cost for the wastewater study represents a good value. Approving the contract will require a budget amendment, noted in ‘Funding Availability’, below.
2. Efficiency – Completing the two studies at the same time creates project efficiency, which saves staff time.

As with the water cost-of-service study, the wastewater study will be accompanied by a report which details the methodology, results, and rationale, and how the rationale incorporates Article XIII D and other laws and regulations.

Raftelis Financial Consultants, Inc. is a leading national firm that conducts cost-of-service and related studies.

RECOMMENDATION:

It is staff’s recommendation that the Board: 1) authorize the General Manager to award a wastewater cost-of-service study to Raftelis Financial Consultants, Inc. at a cost of \$19,500 and establish a contingency amount of \$1,950 (10% of contract) to cover the cost of unforeseen or additional work; and 2) approve a budget amendment of \$19,500 for Administrative Consultants.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

This contract requires an approved budget amendment of \$19,500 to Administrative Consultants.

Prepared by:



James Lee
Director of Finance & Administration

Submitted by:



Nem Ochoa
General Manager

g:\management\board meeting staff reports\2019\11-12-19 Board Memo - Wastewater Cost of Service Study.docx

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 3
November 12, 2019

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa – General Manager
Subject: Appointment of Secretary to the Board of Directors

ACTION ITEM:

Consideration and motion to adopt Resolution No. 751 appointing James Lee, Director of Finance and Administration, as board secretary.

BACKGROUND / DISCUSSION:

During the October 22, 2019 Board meeting, the Board adopted Resolution No. 749 by a 4-0 roll call vote to appoint James Lee as Secretary to the Board in the capacity of Interim Director of Finance and Administration. Since then, Mr. Lee's position has changed to Director of Finance and Administration. Resolution No. 751 reflects that change and replaces Resolution No. 749.

RECOMMENDATION:

It is staff's recommendation that the Board appoint James Lee as Secretary to the Board through the adoption of Resolution No. 751.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

N/A

Prepared by:



James Lee
Director of Finance & Administration

Submitted by:



Nem Ochoa
General Manager

Attachment(s):

1. Resolution No. 751

RESOLUTION NO. 751

RESOLUTION OF THE BOARD OF DIRECTORS OF CRESCENTA VALLEY WATER DISTRICT APPOINTING A SECRETARY TO THE BOARD OF DIRECTORS

WHEREAS, Water Code section 30540 requires the Board of Directors to appoint a secretary and define the duties for such secretary; and

WHEREAS, the Board Policies and Procedures define the duties of the secretary; and

WHEREAS, the Board determines that James Lee, Director of Finance and Administration, is well qualified to hold the office of secretary,

NOW THEREFORE, BE IT RESOLVED, James Lee is appointed to the office of secretary to serve at the pleasure of the Board. This appointment does not alter James Lee's status as a District employee.

PASSED, APPROVED AND ADOPTED, at a Regular Meeting of Board of Directors of Crescenta Valley Water District held on November 12, 2019, Resolution No. 751 was adopted by the following vote:

YES:

NOES:

ABSENT:

ATTEST:

**President, Board of Directors
Crescenta Valley Water District**

**Secretary of the Board of Directors
Crescenta Valley Water District**

STATE OF CALIFORNIA)
) **ss.**
COUNTY OF LOS ANGELES)

I, JAMES LEE, Secretary to the Board of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No. 751 of the Board of Directors of Crescenta Valley Water District adopted at a Regular Meeting held on November 12, 2019, and that the same has not been amended or repealed.

**Secretary of the Board of Directors of
Crescenta Valley Water District**

DATED: October 22, 2019

(S E A L)

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 4

November 12, 2019

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa – General Manager
Subject: Authorizations for the California Local Agency Investment Fund

ACTION ITEM:

Consideration and motion to adopt Resolution No. 752 to authorize the General Manager and the Director of Finance and Administration to deposit or withdraw monies from and execute associated activities with the California Local Agency Investment Fund.

BACKGROUND / DISCUSSION:

During the October 22, 2019 Board meeting, the Board adopted Resolution No. 750 by a 4-0 roll call vote to authorize the General Manager, Nem Ochoa, and the Interim Director of Finance and Administration, James Lee, to deposit and withdraw monies from the California Local Agency Investment Fund (LAIF). Since then, Mr. Lee's position has changed to Director of Finance and Administration. Resolution No. 752 reflects that change and replaces Resolution No. 750.

RECOMMENDATION:

It is staff's recommendation that the Board authorize Nem Ochoa, General Manager and James Lee, Director of Finance and Administration to deposit and withdraw monies from LAIF through the adoption of Resolution No. 752.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

N/A

Prepared by:



James Lee
Director of Finance & Administration

Submitted by:



Nem Ochoa
General Manager

Attachment(s):

1. Resolution N. 752

RESOLUTION NO. 752

RESOLUTION OF THE BOARD OF DIRECTORS OF CRESCENTA VALLEY WATER DISTRICT AUTHORIZING INVESTMENT OF MONIES IN THE LOCAL AGENCY INVESTMENT FUND

WHEREAS, The Local Agency Investment Fund is established in the State Treasury under Government Code section 16429.1 et. seq. for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

WHEREAS, the Board of Directors hereby finds that the deposit and withdrawal of money in the Local Agency Investment Fund in accordance with Government Code section 16429.1 et. seq. for the purpose of investment as provided therein is in the best interests of the Crescenta Valley Water District;

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors hereby authorizes the deposit and withdrawal of Crescenta Valley Water District monies in the Local Agency Investment Fund in the State Treasury in accordance with Government Code section 16429.1 et. seq. for the purpose of investment as provided therein.

BE IT FURTHER RESOLVED, as follows: **Section 1.** The following Crescenta Valley Water District officers holding the title(s) specified herein below or their successors in office are each hereby authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund and may execute and deliver any and all documents necessary or advisable in order to effectuate the purposes of this resolution and the transactions contemplated hereby:

Nemesciano Ochoa

James Lee

General Manager

Dir. of Finance and Administration



(Signature)



(Signature)

Section 2. This resolution shall remain in full force and effect until rescinded by the Board of Directors by resolution and a copy of the resolution rescinding this resolution is filed with the State Treasurer's Office.

PASSED, APPROVED AND ADOPTED, at a Regular Meeting of Board of Directors of Crescenta Valley Water District held on November 12, 2019, Resolution No. 752 was adopted by the following vote:

YES:

NOES:

ABSENT:

ATTEST:

**President, Board of Directors
Crescenta Valley Water District**

**Secretary of the Board of Directors
Crescenta Valley Water District**

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa, P.E. – General Manager
Subject: Employment Terms and Conditions

Action Item No. 5
November 12, 2019

ACTION ITEM:

Ratify Employment Terms and Conditions for Management group.

DISCUSSION:

The management team at Crescenta Valley Water District (District) periodically reviews the terms and conditions by which they are employed by the District. The management team provides feedback to the General Manager, who then discusses recommended changes (if any) to the Board of Directors. The General Manager and the Board of Directors have discussed recommended changes, as summarized below:

- Eligibility (age) for medical retirement coverage
- Annual tuition reimbursement amount
- Annual carry over amount for dental and vision coverage

RECOMMENDATION:

Ratify Employment Terms and Conditions for Management group and allow the General Manager to amend the subject document to reflect approved changes.

ENVIRONMENTAL REVIEW:

Not applicable

FUNDING AVAILABILITY:

Not applicable.

Submitted by:



Nem Ochoa, P.E.
General Manager

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 6
November 12, 2019

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa – General Manager
Subject: Discuss Board Meeting Schedule for Remainder of Calendar Year 2019

ACTION ITEM:

Discuss the board meeting schedule for the remainder of calendar year 2019.

BACKGROUND / DISCUSSION:

At the beginning of the current calendar year, Board meetings were shifted from the first and third Tuesdays of each month to the second and fourth Tuesdays. With the shift in schedule and the upcoming holiday season, the Board may need to revisit the schedule for the remaining meeting for calendar year 2019. The remaining Board meetings are currently scheduled for November 26, 2019 and December 10, 2019.

RECOMMENDATION:

Finalize the board meeting schedule for the remainder of calendar year 2019. After the dates are agreed upon, staff will update the website to show the remaining Board meeting dates.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

N/A

Prepared by:



James Lee
Director of Finance & Administration

Submitted by:



Nem Ochoa
General Manager

*Lagerlof Senecal
Gosney & Kruse
LLP*

301 NORTH LAKE AVENUE, 10TH FLOOR
PASADENA, CALIFORNIA 91101
PHONE: (626) 793-9400 ! FAX (626) 793-5900

William F. Kruse
E-MAIL: WFKRUSE@lagerlof.com

MEMORANDUM

To: Los Angeles County Independent Special Districts
From: William F. Kruse, Special Counsel
Date: October 11, 2019
Subject: Nomination of Candidate; LAFCO Representative and Alternate

RECEIVED

OCT 15 2019

**CRESCENTA VALLEY
WATER DISTRICT**

As you know, since 1994 special districts in Los Angeles County have been represented by two members of the Local Agency Formation Commission. The term of office of one of those representatives, Donald Dear, expires in May 2020. On behalf of the special districts of Los Angeles County, LAFCO has appointed us to assist in conducting the election to fill this position.

By law, independent special district seats on LAFCO are filled by the Special District Selection Committee. That Committee is made up of the presiding officers of each independent special district in Los Angeles County.

In order to expedite the process of electing a representative, I have included a form to be used to nominate candidates for consideration. After nominations are received, each district will receive a complete package of nominee resumes, together with a ballot for consideration by the presiding officer of your board. Voting will be conducted by mailed ballot.

Nominations for the Committee's consideration are welcome. Please provide as much relevant information about the candidate as reasonably possible. Any biographical information and/or candidate statement should be **limited to one page**. Please remember that, to be eligible, the nominee must be an elected official or appointed to your board for a fixed term. Nominations must be received in the office of Lagerlof, Senecal, Gosney & Kruse, **ATTN: WILLIAM F. KRUSE**, no later than **5:00 p.m. on December 27, 2019**.

Please feel free to contact me directly with any questions.

Voice: (626) 793-9400

Fax: (626) 793-5900

*Lagerlof
Senecal
Gosney & Kruse
LLP*

NOMINATION
OF
INDEPENDENT SPECIAL DISTRICT **REPRESENTATIVE**
TO THE
LOS ANGELES COUNTY LOCAL AGENCY FORMATION COMMISSION

To: Independent Special District Selection Committee

From: _____

Date: _____

Name of Candidate: _____

_____ is pleased to nominate
_____ as a candidate for appointment as special
district **REPRESENTATIVE** to the Los Angeles Local Agency Formation Commission. The
nominee is an elected official or a member of the board of an independent special district appointed
for a fixed term. For your consideration, we submit the following additional information together
with a resume of the candidate's qualifications.

Elective office: _____

Agency: _____

Type of Agency: _____

Term Expires: _____

Residence Address: _____

Telephone: _____

PLEASE ATTACH RESUME OR CANDIDATE STATEMENT (limit one page)

(Name of Agency)

By: _____
Its: _____

Written Communication -

Received: October 21, 2019

From: Marilyn Tyler

Re: Action Item 1, October 22, 2019 Board meeting

RECEIVED

October 21, 2019 - Action Item 1 - "Written Communications to Board Members"
Misrepresentation of Brown Act In Staff Report? (2 pages)

OCT 21 2019

CRESCENTA VALLEY
WATER DISTRICT

To: CVWD Board of Directors
CC: Tom Bunn, Attorney for CVWD
From: Marilyn Tyler (address and signature below)
Subject: Action Item 1 - "Written Communications To Board Members"
Misrepresentation of Brown Act In Staff Report? (2 pages)

I believe the Staff Report by Nem Ochoa discussing Action Item 1 misrepresents the Brown Act with respect to public communications to the Board. I have no reason to believe the misrepresentation is intentional: it may just be due to a mis-reading of the Brown Act.

ERRONEOUS STATEMENT FROM STAFF REPORT: "The district also may post the writing on its website 'in a position and manner that makes it clear that the writing relates to an agenda item for an upcoming meeting.'" This statement seems to imply that only public communications related to an agenda item will be posted on the website. I believe this is an incorrect reading of the Brown Act.

PROBLEM #1: Mr. Ochoa does not identify the source for his quote: "in a position and manner that makes it clear that the writing relates to an agenda item for an upcoming meeting."

PROBLEM #2: I believe the Staff Report statement is a mis-reading of three sections of the Brown Act/California Government Code: Section 54954.3(a), Section 54957.5(a) and Section 54957.5(b).

Section 54954.3(a) states: "Every agenda for regular meetings shall provide an opportunity for members of the public to directly address the legislative body on any item of interest to the public...that is within the subject matter jurisdiction of the legislative body, provided that no action shall be taken on any item not appearing on the agenda..."

Section 54957.5(a) states: "...agendas of public meetings and any other writings, when distributed to all, or a majority of all, of the members of a legislative body of a local agency by any person in connection with a matter subject to discussion or consideration at a public meeting of the body, are disclosable public records...and shall be made available upon request without delay."

Section 54957.5(b) states: "Writings that are public records under subdivision (a) and that are distributed during a public meeting shall be made available for public inspection at the meeting if prepared by the local agency or a member of its legislative body, or after the meeting if prepared by some other person."

The above sections clearly show it is the intent of the Brown Act that ALL public communications to the Board regarding topics under the subject matter jurisdiction of Board should be made available to the public without delay, regardless of whether the public communication relates to an agenda item or not.

Take a step back and recall the purpose of the Brown Act: "The people of this state do not yield their sovereignty to the agencies which serve them. The people, in delegating authority, do not give their public servants the right to decide what is good for the people to know and what is not good for them to know." (California Government Code Section 54950)

REQUEST: Please make available, on the CVWD website, ALL public communications received prior to a CVWD Board meeting---preferably co-located with the agenda packet for that meeting.

M. Tyler *M. Tyler*
3139 Brookhill St., La Crescenta

November 8, 2019 - Public Comment - Further Concern About FY2017-18 Water Fixed Rate Increase of 16.7% (2 pages)

To: CVWD Board of Directors
CC: Tom Bunn, Attorney for CVWD
From: Marilyn Tyler (address and signature below)
Subject: Public Comment - Further Concern About FY2017-18 Water Fixed Rate Increase of 16.7% (2 pages)

After speaking with Nem Ochoa and James Lee on October 10, 2019, I have further concerns about the 16.7% water fixed rate increase which was approved for FY2017-18, and what it portends for future rate increases.

REVIEW EVENT 1: In my letter to the CVWD Board dated 9/24/2019 I expressed concern about the 16.7% water fixed rate increase proposed for FY2016-17, which appeared to run contrary to the 2016 Cost of Service Study. Attorney Tom Bunn replied in a letter dated 9/24/2019 and provided a memo from Ron Mitchell dated 4/18/2017 which stated the 16.7% water rate increase was proposed to maintain the 25%-75% fixed to variable water revenue "due to higher than expected water sales in the current fiscal year".

REVIEW EVENT 2: But then I discovered and documented in my October 10, 2019 letter to the CVWD board that the projected "water sales in the current fiscal year (FY2016-17)" actually substantially DECREASED rather than increased, as shown in the two documents below dated March 2017 and June 2017:

Source B: In the agenda packet for the Finance Committee dated 3/15/2017 from table "Water Budget Table WB-3 Sources of Water Funds - FY 17/18 - Draft V.01" the row entry "Water Sales - Consumers" shows:

"Budgeted FY2016-17" = \$6,953,000

"Projected FY2016-17" = \$6,998,600 (\$45,000 more than budgeted---is this the "higher than expected water sales"?)

Source C: "FY2017-18 Water Budget" dated June 20, 2017 from table "CVWD FY2017-18 Water Budget - Final" row entry "Water Sales - Consumers" shows:

"Budget FY2016-17" = \$6,953,000

"FY2016-17 Estimate For Year End" = \$6,632,864 (note: \$300,000 LESS THAN budget)

EVENT 3: On October 10, 2019 I met with Nem Ochoa and James Lee to understand why there was a discrepancy between the two projected water sales numbers above. James provided me with a worksheet showing how he arrived at the new "estimate for year end" of "\$6,632,863" which was approximately \$300,000 LESS than what had been projected in March 2017 (Source B above).

James said the June 2017 projection was based on water sales recorded as of April 30, 2017 which only became available in June, hence the discrepancy between the March 2017 projection and the June

2017 projection. James also said the projections for water sales in May and June were soft "guess-timates" which should actually have been even lower, based on his discussions with David Gould and the fact it had been a very wet winter and spring (which reduced water sales)..

QUESTION/CONCERN: The whole reason for the 16.7% water fixed rate increase evaporated when the new projected water sales revenue showed a substantial DECREASE rather than increase---so why did CVWD persist with the 16.7% water fixed rate increase? This appears to show a callous disregard for the burden such an unnecessarily large rate increase imposed upon the community.

M. Tyler *M. Tyler*
3139 Brookhill St., La Crescenta

Attachment: Worksheet by James Lee

771

2-25
2018

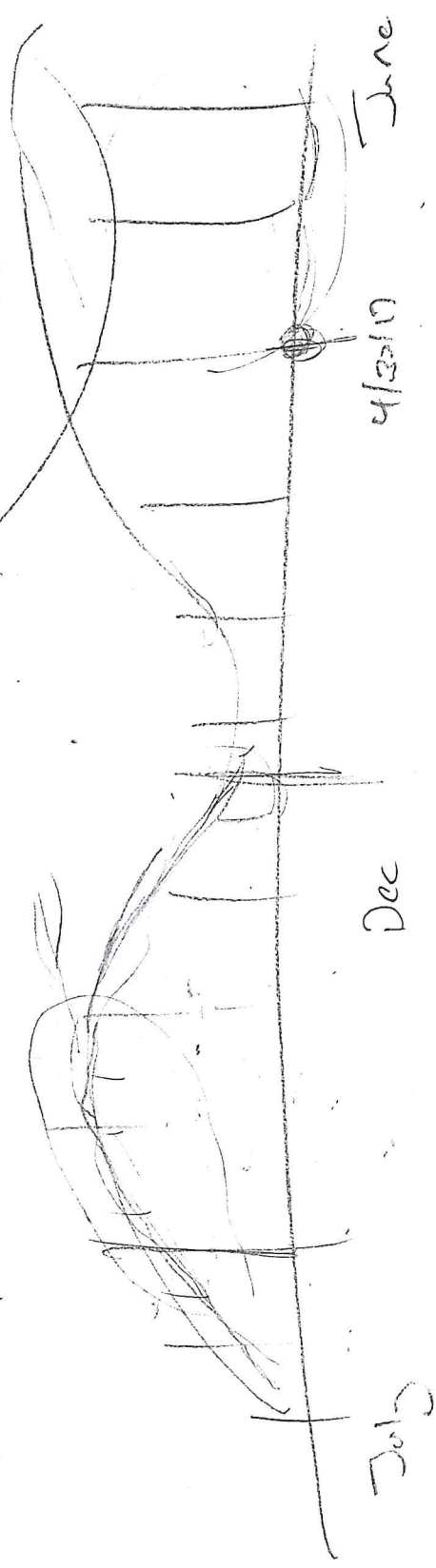
256

-

5,441,021
84%
6,477,405
518,912
595,921

5,441,021	595,921	595,921	6,632,863
-----------	---------	---------	-----------

1 - 2-nov-55 -
2 - Unpredicibile



CRESCENTA VALLEY WATER DISTRICT

General Manager Report

GM Report

November 12, 2019

To: Honorable President and Members of the Board of Directors

From: Nem Ochoa, General Manager

Subject: **General Manager Report**

General Managers Report Topics:

- GM Activities

The following are some highlights in this month's report:

- District Rental Properties
- Pipeline and Street Repair Insurance Claim
- Blood Drive
- Water Production
- Hydrology Report
- Engineering Projects
- Operational Activities

STAFFING

2 employees have work anniversaries in November. Alex Sandoval – 20 years, Stephen Korejwo – 6 years.

As of November 8th the District has gone 43 days without a lost time accident.

GENERAL MANAGER ACTIVITIES

Meetings:

Employee Halloween Luncheon
Lunch Meeting with Glendale USD
Management staff meetings

- October 31st
- November 6th
- November 4th, November 11th

Submitted by:



Nem Ochoa
General Manager



CRESCENTA VALLEY WATER DISTRICT'S (CVWD) BOARD OF DIRECTORS ADOPTS A 2020 STRATEGIC PLAN

BY CHRISTY SCOTT NOV 8, 2019 MEMBER SUBMITTED NEWS

The strategic plan is an important document that translates CVWD's mission, vision, and values into actionable and measurable goals, strategies, initiatives, and programs. The plan drives both long and short-term decision-making and goal setting while maintaining the defined guiding principles of transparency, partnership and commitment.

Continuous monitoring and alignment will keep the Strategic Plan fresh and relevant to keep on top of the growing number of issues that the District and other water providers throughout California face. Escalating energy costs, expanding regulatory costs, rising imported water costs, the increasing costs of construction and the growing costs of deferred facility maintenance are compounded by declining revenues due to conservation measures and increased water use efficiency.

General Manager Nem Ochoa stated that he, along with CVWD's highly committed and capable workforce, is prepared to implement the Strategic Plan, accomplish the District's mission and strive toward its vision. "Successful implementation of the Strategic Plan will require community support along with regional stakeholder collaboration and strategic partnerships."

You may view or download a copy at http://www.cvwd.com/#Strategic_Plan.

© 2019 Association of California Water Agencies



YOUR BEST PROTECTION

November 06, 2019

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Roseville, CA 95661-9082

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President

E.G. "Jerry" Gladbach

Vice President

Tom Cuquet

Chief Executive Officer

Walter "Andy" Sells

Executive Committee

Fred Bockmiller

Tom Cuquet

David Drake

E.G. "Jerry" Gladbach

Brent Hastey

Steven LaMar

Melody A. McDonald

J. Bruce Rupp

Kathleen Tiegs

Crescenta Valley Water District
Attn: David Gould, Director of Engineering
2700 Foothill Blvd.
La Crescenta, CA 91214

Re: Member - Crescenta Valley Water District
Type of Loss - Water line break
D/Loss - 08/04/2019
Claim No. - 20-0099

Dear Mr. Gould:

Enclosed is a check in the amount of \$315,350.90 payable to the Crescenta Valley Water District. This payment is for the repairs related to the water line break on August 4, 2019.

Sincerely,

Jennifer Nogosek
Liability & Property Claims Manager
jnogosek@acwajpia.com

Encl.

Engineering and Operations

November 12, 2019

Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – Director of Engineering
Subject: Engineering & Operations – October 2019

1. **Water Production Report**

- October 1 – 31 – Water production – 44%/56% split – 122.5 MG for the time period
- Average use – 10.2% greater than 2018 and 9.5% greater than 5-yr average

2. **Rainfall Update**

- 0.00” for October 2019
- Rainfall Total for Rainfall Year 2019/20 – 0.00”

3. **Report on Engineering**

- **CIP Projects**

- Pipeline Replacement – 3200 & 3300 Blocks of Brookhill
 - Completed water line – 3200 Block of Brookhill
 - Working on water line – 3300 Block of Brookhill
- Pipeline Replacement – 4700 & 4800 Block of Pennsylvania - Complete
 - ACWA-JPIA – Accepted Claim - \$315, 350 for paving
- Markridge Reservoir Rehabilitation
 - Community Meeting – 11/6/19
 - Started structural repairs

- **Nitrate Removal Treatment Facility at Well 2 Project**

- American Public Works Association (APWA) So. Cal. Chapter – 2019 B.E.S.T Award
- Project Fact Sheet – See attached
- Staff and APTwater continuing training and transfer to CVWD by the end of the year

- **Grant Program**

- No Report

4. **Report on Administrative and Field Operations**

- **Wells Status** – Well production capacity decreased to 1.8 mgd - Well 16 out of service due to the motor failing and rehabilitation of Well 16 project out to bid. Pickens Tunnel out of service during install of new piping for chloramines.

5. **Developer Projects**

- 2225 Mira Vista – New 9 Unit Multifamily Dwelling – Pending Transfer of Ownership
- 2218 Montrose – New 8 Unit Multifamily Dwelling – Pending Transfer of Ownership
- 4521 Briggs/2413 Foothill – New 70 Unit Multifamily Dwelling – Pending Water and Sewer Availability Assessment
- 3900 Park Place – New 28 Unit Multifamily Dwelling – Pending Water and Sewer Availability Assessment
- 4520 Montrose – New 6 Unit Multifamily Dwelling – Waiting on developer
- 2341 Mira Vista – New 6 Unit Multifamily Dwelling – Waiting on developer
- 2345 Mira Vista – New 4 Unit Multifamily Dwelling – Waiting on developer
- 2314 Montrose – New 5 Unit Multifamily Dwelling – Waiting on developer

6. **FMWD** – Shutdown planned from December 8 – 12, 2019 to inspect west side pipeline

7. **Street Projects**

- Pennsylvania Paving Project – City of Glendale – Final Punch List
- Verdugo Paving Project – City of Glendale – Design Phase
- Cloud Pre-school – GUSD – 8-inch main upgrade on Cloud Ave

8. **Field Maintenance & Operations – October 1, 2019 – October 31, 2019**

- **Water Lateral Leaks & Repairs**

5045 La Crescenta 3341 Alabama 4016 Dunsmore

- **Water Main Leaks**

- 10-inch Water main on 2700 Block of Montrose

- **Valve Replacement**

- No Report

- **Fire Hydrant Repair**

- No Report

- **Booster Pump Maintenance**

- No Report

- **Reservoir Maintenance**

- No Report

- **Sewer Maintenance – October 1, 2019 – October 31, 2019**

2400 & 2500 Blocks of Olive	2400 & 2500 Blocks of Rockdell	5300 Block of Rosemont
2300 Block of Utley	2500 Block of Upper Terrace	5900 & 6000 Blocks of Canyonside,
2200 Block of Manzanita	5000 Block of Edmund	



E-1002 – Boulders Discovered While Excavating on the 3300 Block of Brookhill

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

October 1 - October 31, 2019

Well Production:	52,702,700	Gals		
GWP Production:	12,000	Gals		
Gravity Production:	1,526,380	Gals	% GW	44%
Purchased Water:				
FMWD:	68,248,380	Gals		
City of Glendale:	0	Gals	% Import	56%
TOTAL:	122,489,460	Gals		
	375.91	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	960,000		*Included in Well Production	

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
October 1 - October 31, 2019	4,048,318	
October 1 - October 31, 2018	3,673,002	10.2%
5-yr Average - October 2014 - 2018	3,697,567	9.5%

RAINFALL: Oct 1 - Oct 31, 2019

0"

Season-To-Date:

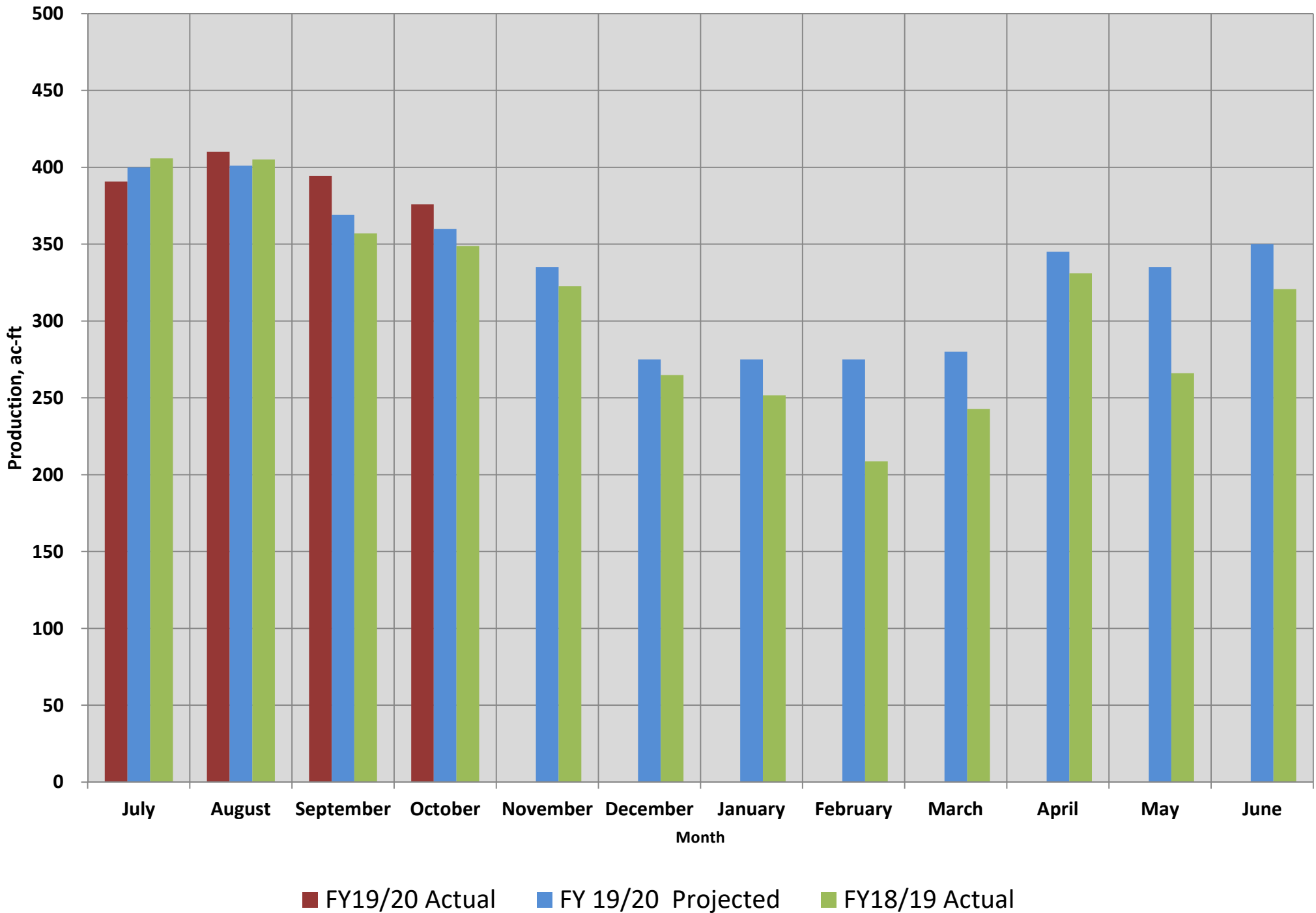
0"

2019/20 Fiscal Year Water Production			WY 18/19 - Groundwater Production Water Rights		GWP (Well 16) Water Production - 2019		Purchased Water Production Tier 2 Allocation 2019	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Month	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	391	400	October	166	January	18	January	123
August	410	401	November		February	16	February	77
September	394	369	December		March	16	March	77
October	376	360	January		April	15	April	155
November		335	February		May	17	May	105
December		275	March		June	16	June	162
January		275	April		July	16	July	219
February		275	May		August	15	August	224
March		280	June		September	11	September	206
April		345	July		October	0	October	209
May		335	August		November		November	
June		350	September		December		December	
Total to Date	1,571	1,530	Total to Date	166	Total to Date	141	Total to Date	1,558
Projected	4,041	4,000	Water Rights	3,294			Tier 2	2,154
% of Projected	39.3%	38.3%	% of Rights	5%			% of Allocation	72%
Remaining	2,429	2,470	Remaining	3,128			Remaining	596

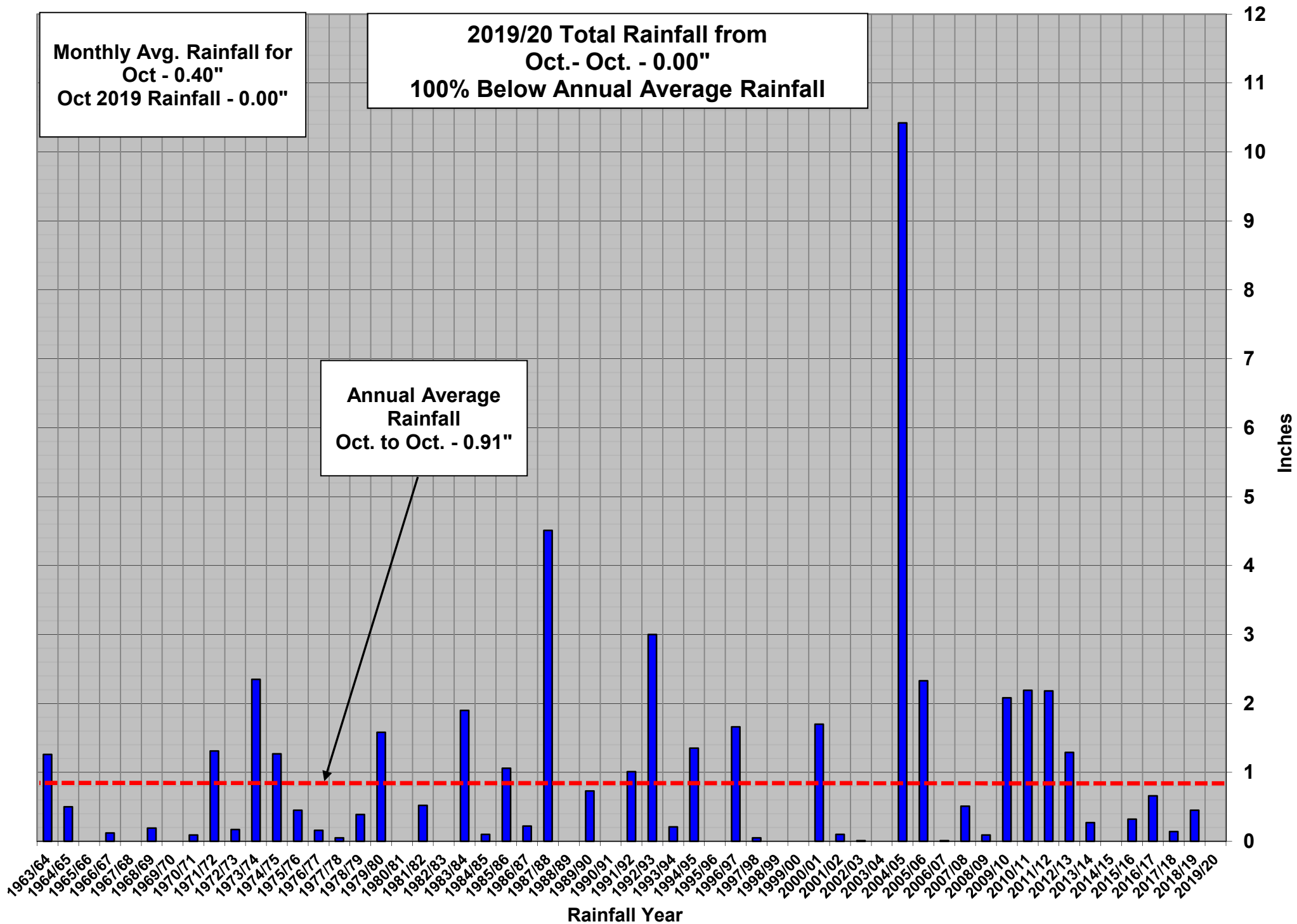
NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Water Production: FY19/20 Actual, FY 19/20 Projected & FY18/19 Actual



Monthly Rainfall - 1963/64 - 2019/20 (Oct.- Oct.)



Revised Date: 11/8/2019

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Home : 2019 B.E.S.T. Awards Luncheon

2019 B.E.S.T. AWARDS LUNCHEON

Description :


[Register Now](#)

Event Date & Time:

12/10/2019 11:00 AM - 12/10/2019 1:30 PM

Venue :

The Center at Sycamore Plaza
5000 Clark Avenue
Lakewood , CA ,

Contact Person :

Trish Pietrzak
Email : ADMIN@SOCALAPWA.NET
Phone : (310) 995-9800
Company : APWA
Title : Chapter Administrator

[Register Now](#)

Registration Items :

For Attendees:

- ▶ Gold Sponsor Exhibit Table
- ▶ Silver Sponsor 1 Free Ticket (if not included in table of 10 reservation)
- ▶ Silver Sponsor Table Of 10 (includes 1 free ticket)
- ▶ Gold Sponsor 2 Free Tickets (if not included in table of 10 reservation)
- ▶ Gold Sponsor Table of 10 (includes 2 free tickets)
- ▶ Table of 10
- ▶ Ticket(s)


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2019 APWA BEST Award Winners



Project Category/Division	Project Name	Agency
Buildings		
<50,000	City Hall Facility Acquisition and Remodel	City of La Cañada Flintridge
50,000-100,000	Yucaipa Performing Arts Center	City of Yucaipa
>200,000	La Mesa Emergency Shelter	City of Anaheim
Regional	Mile Square Regional Park Freedom Hall	OC Parks/OC Public Works
Creative & Innovative		
<50,000	Las Virgenes Creek Restoration Project – Phase II	City of Calabasas
50,000-100,000	Village Pond Park/Veterans Park Renovation	City of Lake Forest
100,000-200,000	See and Be Seen Signal Cabinet Wrap Bicycle & Pedestrian Safety Education Campaign	City of Lancaster
>200,000	Give Me Green	City of Santa Clarita
Regional	Pier J, Berths 245-247 Landside Rail Girder Upgrade	Port of Long Beach
Drainage,Water, Wastewater		
<50,000	Wastewater Treatment Plant Upgrades	City of Palm Springs
100,000-200,000	Upper Amargosa Creek Recharge Project	City of Palmdale
>200,000	Walnut Pump Station	City of Santa Ana
Regional	New Biological Nitrate Removal Treatment Facility & Reactivation of Well No. 2	Crescenta Valley Water District (CVWD)
Facilities		
<50,000	Signal Hill Public Library	City of Signal Hill
100,000-200,000	Old Towne West Metrolink Parking Structure	City of Orange
Regional	County Administration South Building	Orange County Public Works
Recreational & Athletic Facilities		
<50,000	Manhattan Beach Pier and Roundhouse Beautification Project	City of Manhattan Beach
50,000-100,000	North Beach Playground	City of Santa Monica
100,000-200,000	Pelona Vista Park Fitness Court	City of Palmdale
>200,000	Copper Hill Park Restroom and Play Area	City of Santa Clarita
Storm Water Quality		
<50,000	Los Cerritos Channel Sub-Basin 4 Regional Structural BMP and Channel Diversion	City of Signal Hill
>200,000	Orchard Village Median Rain Garden	City of Santa Clarita
Traffic, Mobility & Beautification		
<50,000	Smart Parking Guidance System	City of Laguna Beach
50,000-100,000	Bayside Drive Roadway Improvements	City of Newport Beach
100,000-200,000	I-15/Temecula Parkway Interchange	City of Temecula
>200,000	City of Long Beach 3rd and Broadway Streetscape Project - Rethinking How a City Moves and Feels	City of Long Beach
Regional	South Waterfront/Pier J Bike and Pedestrian path	Port of Long Beach
Transportation		
<50,000	SMB/Robertson - Hybrid Exclusive Pedestrian Phase Project	City of West Hollywood
50,000-100,000	The Boulevard Project	City of South Gate
100,000-200,000	15th Street East and West Roundabouts	City of Lancaster
>200,000	North Spring Street Viaduct Widening and Rehabilitation	City of Los Angeles, Bureau of Engineering
Regional	Edinger Avenue Bridge Replacement	Orange County Public Works

AWARD-WINNING PROJECT

BIOLOGICAL NITRATE REMOVAL TREATMENT FACILITY

A treatment facility that uses naturally occurring bacteria to remove nitrate from drinking water has allowed Crescenta Valley Water District (CVWD) to expand its local, drought-proof supply.

The treatment facility at the District's Ordunio Reservoir is adjacent to Well 2, which was out of service for more than 45 years due to regulatory standards for nitrate. By removing nitrate and re-activating the well, CVWD is able to produce an additional 240 acre-feet per year of local, safe drinking water for customers and decrease reliance on imported water.

A Portion of the Funding for this Project was provided by the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 and 2015 Proposition 84 Integrated Regional Water Management Implementation Grant, administered by State of California, Department of Water Resources and Los Angeles County Flood Control District.

CVWD received **\$705,775** in grants for the **\$2.25 million** project. The innovative project earned numerous prestigious awards in 2019 for engineering excellence.

THE PROJECT

- ✓ Hydrogen-based membrane biofilm reactor removes nitrate
- ✓ New pump increased capacity to 225 gallons per minute
- ✓ Electrical and telemetry system allows for 24/7 monitoring
- ✓ On-site piping and other improvements connect the well and treatment system to CVWD's water system
- ✓ Chlorination system is housed in a new building
- ✓ The treatment method and system were approved and permitted by the State Water Resources Control Board – Division of Drinking Water.

PROJECT BENEFITS

CVWD partnered with the County of Los Angeles and the City of Glendale for this important regional project. Its benefits are numerous, particularly as CVWD and other water suppliers prepare for future droughts and a changing climate.



CREATES an additional local water supply, enough for about 40,000 families a year



ALLOWS CVWD to use its adjudicated water rights in the Verdugo Basin



REDUCES the District's dependence on imported water, saving money for customers



PROVIDES an additional water supply to the Los Angeles Department of Water and Power and Foothill Municipal Water District during emergencies and planned shutdowns of imported water



LOWERS overall nitrate levels in the Verdugo Basin by decreasing contamination at Well 2



MITIGATES climate change vulnerabilities by offsetting energy-intensive imported water supplies and the associated greenhouse gas emissions

BIOLOGICAL NITRATE REMOVAL TREATMENT FACILITY



ABOUT THE DISTRICT



Crescenta Valley Water District is located in the Crescenta Valley area of Los Angeles County in the foothills of the San Gabriel Mountains, between the San Fernando and San Gabriel valleys. The District provides water distribution and sewage collection within its boundaries to the unincorporated communities of La Crescenta, Montrose and Verdugo City, as well as small areas within the City of La Cañada Flintridge and the City of Glendale.

The District serves an area of approximately four square miles in relatively steep terrain ranging from 1,200 feet to almost 3,000 feet above sea level. The District currently provides water to more than 8,000 accounts representing a population of nearly 33,000.



AWARDS & RECOGNITION

**1. American Council of Engineering Companies:
Engineering Excellence, Water Resources**

National recognition for the most complex and innovative projects.

**2. Association of California Water Agencies:
Finalist, 2019 Clair A. Hill Agency Award for
Excellence**

For showing creativity and innovation in addressing water industry issues, showing evidence of success, being environmentally beneficial and showing fiscal responsibility.

**3. American Society of Civil Engineers,
Los Angeles Section**

- » Outstanding Water Project of the Year
- » Water Treatment Project of the Year

Recognizes projects that demonstrate innovation and improve the state of the practice for water supply and delivery projects.