

CRESCENTA VALLEY WATER DISTRICT

**2700 Foothill Boulevard
La Crescenta, California**

**Agenda for the
Adjourned Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on Tuesday, April 23, 2019 at 7:00 p.m.**

Posted: April 19, 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

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 (3) minute comment.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of Minutes of the Regular Meeting on April 9, 2019.
2. Ratification of disbursements for March 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 (2) minute comment.

1. **FY 2019/20 Water and Wastewater Budgets** – Review of Draft FY 2019/20 Water and Wastewater Budgets.
 - Consideration and motion to convert remaining MTBE funds to Water reserves.
 - Consideration and motion to authorize staff to mail the Proposition 218 notice for proposed Water and Wastewater rate increases.
 - Discussion regarding CIP budget and prioritizing projects.
2. **TTHM Study and Disinfection Process Upgrade, Project E-995** – Discussion and update of CVWD's TTHM study and disinfection process upgrades.

Information Items

Written Communications to District/Board

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.

Closed Session

Conference with Labor Negotiators - \$54957.6

- District negotiators: Nem Ochoa, Ron Mitchell
- Unrepresented employees: Management Unit

Conference with Labor Negotiators - \$54957.6

- District negotiators: Nem Ochoa, Ron Mitchell, and James Lee
- Employee organization: AFSCME

Board Members' Request for Future Agenda Items

Adjournment

CRESCENTA VALLEY WATER DISTRICT

REGULAR MEETING, BOARD OF DIRECTORS

April 9, 2019

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Regular Meeting of March 26, 2019, a Regular Meeting was held on April 9, 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
Michael L. Claessens
Kerry D. Erickson
Kenneth R. Putnam
Judy L. Tejeda**

Attorney:

Thomas S. Bunn

General Manager:

Nem Ochoa

Secretary-Treasurer:

Ron L. Mitchell

District Engineer:

David S. Gould

Others Present:

**Mark Hass, IT Manager
Wendy Holloway, Customer Service Supervisor
Dennis Maxwell, Operation & Maintenance Mgr.
James Lee, Finance & Accounting Manager
Arturo Montes, Accountant
Brook Yared, Senior Engineer
Frank Colcord, FMWD
Matthew Langer, Clean Power Alliance
Nicole Naassan, UtiliWorks
Bret Vonder Reith**

PLEDGE OF ALLEGIANCE

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

ADOPTION OF AGENDA

It was moved by Director Tejeda, seconded by Director Erickson and carried by a 5-0 vote that the Agenda for the Regular Meeting of April 9, 2019, be adopted as presented.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – No report.

CONSENT CALENDAR

It was moved by Director Putnam, seconded by Director Claessens and carried by a 5-0 vote to approve the Minutes of the Adjourned Regular Board meeting held on March 26, 2019.

ACTION CALENDAR

Clean Power Alliance – Mr. Matthew Langer, Chief Operating Officer of Clean Power Alliance (CPA), gave a presentation to the Board regarding their services. He said that they were originally formed as a Joint Powers Authority between unincorporated Los Angeles County, Rolling Hills Estates, and South Pasadena and has now grown to a coalition of 31 agencies across Los Angeles and Ventura Counties. Mr. Langer said that they were established in 2017 to provide cost competitive electric services with an emphasis on the use of renewable energy for electric power to reduce electric sector greenhouse gas emissions. Mr. Langer informed the Board that CVWD is currently being supplied power in our unincorporated service area and being billed through Southern California Edison (SCE). The District does have the option to return to SCE if we choose. CPA has three levels of renewable energy that we can choose from with the lowest level at 36% renewable energy at 1%-2% less than the rates charged by SCE, the second level at approximately 50% renewable energy at the same cost as SCE, and the third level at 100% green power rate 7%-9% more than SCE. The District is currently under the lowest level.

Mr. Langer answered questions from the Board and said that he would be available to review our current usage history and provide information on how the costs would vary for each level of power. He said that the District can change our option at any time. Mr. Frank Colcord said that he is a District customer and encouraged the Board to elect the 100% renewable energy option.

Business Case Presentation for Automated Meter Infrastructure (AMI) – Ms. Nicole Naassan and Bret Vonder Keith of UtiliWorks provided the Board and staff with a presentation of their business case evaluation for an Advanced Metering Infrastructure (AMI) system for the District. Ms. Naassan reviewed the business case assumptions that were used to develop the case and the estimated capital and operational costs and benefits that may be achieved for the District if we choose to implement an AMI system. She explained the benefits that include customer outreach and satisfaction, staff ability to identify potential leaks and inform customers quickly, reduction of staff time related to billing exceptions and reading issues, and improved tracking of water loss through early detection.

Ms. Naassan reviewed the economic details of the business case evaluation and that this system could pay for itself in 10 years. The Board asked several questions about the implementation of an AMI system and if it could be done in phases or if it needed to be done all at once. She said that it could be done in phases and the costs spread over several years. She explained the deployment strategies that could be used and the equipment that is required to get the data from the field to the customer information system.

Ms. Naassan reviewed the recommendations and next steps necessary, including obtaining Board approval to proceed, securing of funding, and soliciting proposals for the AMI and MDMS software, etc. The Board asked more questions and thanked UtiliWorks for their hard work in developing the business case.

TTHM Study and Disinfection Process Upgrades, Project E-995 – Mr. Gould gave the Board a brief report on the status of the mitigation and upgrade project and reviewed the compliance charts of TTHM levels at our reservoir sites. He then reviewed the status of the dead-end main flush-out project and said

that 72 of the 136 sites have been cleaned and we have only received one water quality complaint due to cloudy water. He concluded his report with an update on the cost projections for the project.

FY 2019/20 Water & Wastewater Budgets – Mr. Lee provided the Board with an update to the 2019/20 Water and Wastewater Budgets. He said that staff has identified several areas where costs have been reduced resulting in a 4.6% reduction in O & M expenses on the water budget and this information was presented to the Finance Committee on April 4, 2019. The Board asked staff to provide a detailed report of expenses for the current fiscal year so they can better understand the projections staff has made for year-end expenses. Staff reviewed various reasons for increases to costs including higher prices for treatment and maintenance. Mr. Lee then presented various scenarios related to the financial position of the water operations and how the expenses, capital improvements, and use of reserve funds have affected the water fund balance.

Staff discussed the impact on reserves related to various rate increases and/or use of debt financing. He reviewed the process staff and the Engineering Committee undertook to identify the CIP budget for FY 2019/20 how this is a major driver in rate requirements. There was a discussion regarding the pros and cons of issuing debt to help jump start the replacement of water mains and other capital projects. Mr. Lee then detailed how a debt issuance would work, the time line for completion of a financing, and said that he could have a consultant attend a future meeting to discuss various financing options and answer questions for the Board.

It was moved by Director Putnam to direct staff to explore a \$20 million bond issuance and what are the potential rate increases associated with this issuance. The motion died for lack of a second.

The Board continued to discuss the pros and cons of bond financing.

It was moved by Director Putnam to direct staff to explore a \$20 million bond issuance and provide a schedule of the consequences of this issuance and a program as to how the funds would be spent. The motion died for lack of a second.

The Board continued the discussion of debt financing and how the work would be accomplished.

It was moved by Director Putnam to authorize staff to retain a consultant to explore financing options related to a \$20 million bond issuance and give advice to the Board. The motion died for lack of a second.

The Board directed staff to continue working on the budget, explore other ways to reduce expenses and to bring a consultant to the May 14, 2019 Board meeting to discuss financing options and provide more information.

Staff provided the Board with a proposed Proposition 218 Notice and reminded them that this would be on the agenda for the April 23, 2019 meeting for approval to be sent. Staff asked the Board if they preferred to have separate notices for Water and Wastewater rates or put both on the same notice. Staff was directed to bring back information related to costs and the respective budgets at the next meeting.

Board of Director's Vacancy – President Bodnar reluctantly accepted the letter of resignation from Director Claessens effective May 15, 2019 and reviewed the requirements for appointing his replacement.

Mr. Bunn reviewed the process and the Board directed staff to begin the process by posting the notice immediately. They also asked staff to see if they still have information related to the last time the Board undertook this process.

INFORMATION ITEMS – None

WRITTEN COMMUNICATIONS TO DISTRICT – None

REPORTS OF PERSONNEL

GENERAL MANAGER- Deferred his report.

ATTORNEY- Mr. Bunn had no report.

REPORTS OF COMMITTEES

Engineering Committee – Director Erickson reported that a meeting will be held on April 26, 2019 at 3:30 p.m.

Finance Committee – Director Putnam reported that the Committee met on April 4, 2019 and reviewed the Draft FY 2019/20 Water and Wastewater Budgets.

Employee Relations Committee – Director Bodnar reported that the Committee will meet on April 12, 2017 at 2:00 p.m.

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

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

Emergency Planning Committee – Director Tejada 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 REPORT

Director Bodnar reported that the Drought Contingency Plan was passed by the House of Representative and the Senate is now on the President's desk for signature. This plan will give Southern California more storage in Lake Mead as the State water allocation is at 70% and demands on MWD are low.

Director Claessens had no report.

Director Tejada had no report.

Director Putnam had no report.

Director Erickson had no report.

CLOSED SESSION – No reportable action

ADJOURNMENT

There being no other business to come before the Board, at 10:15 p.m. it was moved by Director Claessens, seconded by Director Erickson and carried by a 5-0 vote that the meeting be adjourned to April 23, 2019 at 7:00 p.m.

APPROVED:

James D. Bodnar
President

Ron L. Mitchell
Secretary-Treasurer

CASH DISBURSEMENTS LIST

MARCH 2019



<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
0	3/27	CalPERS	PERS contribution 02/2019	24,445.52	14,622.33
0	3/12	Los Angeles County Public Works	Excavation permits for various sites	4,280.00	
0	3/26	Southern California Edison Co.	Power purchased 03/2019	16,321.40	239.23
38934	3/8	Mark Hass	Health Reimbursement	189.60	126.40
38935	3/12	ADS, LLC	Monthly sewer monitoring 02/2019		1,100.00
38936	3/12	Airgas National Carbonation	Tank rental for Well 2 - Carbon Dioxide 02/2019	55.00	
38937	3/12	Airgas USA, LLC	Monthly cylinder rental 02/2019	326.03	244.78
38938	3/12	All American Landscape Co.	Monthly landscaping main office 03/2019	262.50	87.50
38939	3/12	Allen Pipeline, Inc.	10 hours of welding services for 3 emergency repairs	2,266.40	
38940	3/12	Ameripride Uniform Services, Inc	Uniform rentals for 02/2019	696.13	232.04
38941	3/12	Anawalt Lumber & Materials Co.	Misc hardware 02/2019	7.21	
38942	3/12	ARC	Monthly MPS billing 02/2019	616.55	205.52
38943	3/12	AT&T	Voice communication 02/2019	286.94	95.65
38944	3/12	BC Laboratories, Inc	Water analysis	4,487.75	
38945	3/12	BC Laboratories, Inc	Water analysis	4,534.00	
38946	3/12	BC Laboratories, Inc	Water analysis	4,714.75	
38947	3/12	BC Laboratories, Inc	Water analysis	3,316.45	
38948	3/12	BC Laboratories, Inc	Water analysis	2,040.00	
38949	3/12	Best Best & Krieger	ULARA fees through 01/2019	385.00	
38950	3/12	Bonnors Equipment Rentals	Propane	45.36	15.12
38951	3/12	CCS Interactive, Inc.	Constant contact updated & weather api added to website	322.50	107.50
38952	3/12	Cerdant, Inc.	Network security 03/2019	206.25	68.75
38953	3/12	Choice Pest Control	Monthly service for Mills house & Well 9 03/2019	96.75	13.25
38954	3/12	City of Glendale	Utility taxes for Glendale 02/2019	28.85	
38955	3/12	City of Glendale Water & Power	Power purchased 03/2019	28,990.48	47.55
38956	3/12	Colonial Life & Accidents Ins.	Employee paid insurance 02/2019	228.67	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
38957	3/12	Core & Main	4 new flooding meters with Eddy valves	2,374.71	
38958	3/12	Crescenta Valley Weekly	Ad for Rain Barrel event	350.00	
38959	3/12	Dataprose LLC	Printing and postage for Control 1-4 02/2019	1,515.09	1,515.08
38960	3/12	Dell Financial Services	Lease contract 02/2019	727.71	242.57
38961	3/12	Do-it Center	Misc hardware 02/2019	506.12	221.00
38962	3/12	Eurofins Eaton Analytical Inc.	Water analysis	728.00	
38963	3/12	First Choice	Coffee service plant & office 03/2019	174.48	174.47
38964	3/12	Foothill Car Wash, Lube & Oil	Oil changes for Unit #51 and #45	186.98	62.33
38965	3/12	Grainger	Miscellaneous shop supplies	60.06	32.07
38966	3/12	Great America Leasing Corp.	Kyocera Copier agreements 03/2019	767.60	767.59
38967	3/12	Gsolutionz Professional Services	Modifications to phone answering system at office	788.37	262.79
38968	3/12	Haaker Equipment Company	Vactor - unit #53 - replace relay switch		988.35
38969	3/12	Hach Company	E-995 6 - SC1000 cards for SCADA	4,803.55	
38970	3/12	Home Depot Credit Services	Misc Hardware 02/2019	332.17	256.05
38971	3/12	J's Maintenance Service, Inc.	Janitorial service 02/2019	793.50	264.50
38972	3/12	Yousung Jung	Refund Check		66.30
38973	3/12	KR Nida Companies	Install new 2-way radios in Unit #47 and Unit #2	1,385.80	461.92
38974	3/12	LA County Tax Collector	2018 Property tax (2nd payment)	6,728.68	2,242.88
38975	3/12	Lagerlof, Senecal, Gosney & Kr	PWAG share of costs for legal services 05/2018 - 01/2019	1,186.10	395.36
38976	3/12	Lagerlof, Senecal, Gosney & Kr	Legal services 02/2019	3,427.50	1,142.50
38977	3/12	Matt-Chlor Inc	E-995 - Parts for ammonia analyzers and lab testing equipment	1,508.02	
38978	3/12	Newegg, Inc.	New projector for Glenwood	1,078.71	359.55
38979	3/12	O'Reilly Auto Parts	Misc supplies 02/2019	166.04	61.55
38980	3/12	Office Depot - Credit Plan	Misc supplies 02/2019	381.15	154.26
38981	3/12	Paper Cuts, Inc	Paper shredding 02/2019	2.50	2.50
38982	3/12	Pep Boys	Unit #36 - 4 new tires, balancing, and alignment	825.65	275.22
38983	3/12	Plumbers Depot Inc	Unit #53 - high pressure spray guns, rotating nozzles, disconnect hoses		1,823.99
38984	3/12	Powers Electric Products, Co.	New well sounder	616.88	
38985	3/12	Ramco	Disposal of concrete, asphalt and spoils	3,000.00	
38986	3/12	Registrar- Recorder County Clerk	Cost incurred prior to cancellation for general election 2018	53.01	53.01
38987	3/12	Shell	Gas purchased 02/2019	1,361.55	453.85
38988	3/12	Simpler Systems	Monthly maintenance 03/2019	375.00	125.00
38989	3/12	Spectrum Business	Data communication 02/2019 office	2,138.78	712.92

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38990	3/12	Spectrum Business	Data communication 02/2019 Glenwood plant	2,204.45	734.82
38991	3/12	St Water Resource Control Brd.	Annual water system fees 7/1/2018 to 6/30/2019	26,002.00	
38992	3/12	Stemar Equipment & Supply Co.	Gaskets for fire hydrants	45.99	
38993	3/12	Sully-Miller Contracting Co.	Base material minimum load charge	1,257.91	
38994	3/12	The Gas Company	Gas purchased Mills house & Glenwood 02/2019	359.22	119.74
38995	3/12	Underground Service Alert/SC	Cal State fee for regulatory cost 03/2019	244.20	81.40
38996	3/12	Western Water Works	E-995 - 2" ball valve, bronze nipples, adapters, tees, caps	2,071.77	
38997	3/20	Los Angeles County Assessor	Addresses for Proposition 218 notices	36.96	12.32
38998	3/22	Dennis A. Maxwell, Jr	Health reimbursement	196.54	131.02
38999	3/26	ACWA Joint Powers Ins Authority	Group Health 04/2019	38,444.10	24,979.58
39000	3/26	Aflac	Employee paid insurance	1,739.53	
39001	3/26	Kirk Anderson	Check for bees at Glenwood	56.25	18.75
39002	3/26	Apex Manufacturing Solutions	Programming for SCADA	4,847.50	
39003	3/26	Aqua - Metric Sales, Co.	Unipro communcator for downloading of meters	207.22	
39004	3/26	AT&T Mobility	Cell phones service 03/2019	1,099.84	366.61
39005	3/26	Acorn Tree Service - Regino Avalos	Monthly landscaping 02/2019	929.37	125.63
39006	3/26	BC Laboratories, Inc	Water analysis	4,853.00	
39007	3/26	BC Laboratories, Inc	Water analysis	4,981.25	
39008	3/26	BC Laboratories, Inc	Water analysis	4,008.15	
39009	3/26	Georgia Berkovich	Refund Check	28.46	
39010	3/26	Best Best & Krieger	ULARA service through 02/2019	1,295.00	
39011	3/26	Wayne Boyce	Special Comp License Grade D3 & reimb. for exam	590.00	
39012	3/26	California Water Environment	Membership renewal Raymond Dodge	141.00	47.00
39013	3/26	Cargill, Inc - Salt Division	Solar salt for Nitrate plant	5,324.15	
39014	3/26	Citibank (Costco)	Misc office supplies	693.36	693.35
39015	3/26	Colonial Life & Accidents Ins.	Employee paid insurance	228.67	
39016	3/26	CV Strategies	Service through 02/2019	500.00	500.00
39017	3/26	Cypress Ancillary Benefits	Group Dental 04/2019	2,200.41	1,466.95
39018	3/26	Emedco	Chemical identification signs	186.99	54.27
39019	3/26	Fire Master, Dept. 1019	Annual fire extinguisher service and training	815.60	271.87
39020	3/26	Foothill Municipal Water	Purchased water 02/2019	170,954.50	
39021	3/26	Foothill Trophy & Engraving	Longevity awards (30 years of service - Holloway, Huerta, Spain)	326.46	108.81
39022	3/26	Full Source, LLC	Safety equipment	180.04	60.01

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
39023	3/26	Grainger	Eye wash station for E-995 and marking paint for stock	788.76	103.71
39024	3/26	Harrington Ind Plastics LLC	Waterproof hand held tester for nitrate plant	1,570.96	
39025	3/26	Hazen and Sawyer	E-995 Services through 01/2019	17,437.50	
39026	3/26	HD Supply Construction & Ind	E-995 adhesive - Electric concrete mixer and cartridge epoxy	2,163.64	
39027	3/26	Inland Water Works Supply Co.	IMA- Setup fee for Itron IMA Cloud	328.50	
39028	3/26	John Robinson Consulting, Inc.	E-995 - Service through 02/21019	3,780.00	
39029	3/26	John Robinson Consulting, Inc.	M-965 - Grant assistance service through 02/21019	4,800.00	
39030	3/26	LA Dept Water and Power	Power purchased 03/2019	51.05	
39031	3/26	Lincoln Financial Group	Life & disability for 04/2019	946.55	631.04
39032	3/26	Mimecast North America, Inc.	Email security 03/2019	531.26	177.08
39033	3/26	Neofunds by Neopost	Refill postage and sealing solution	371.21	371.21
39034	3/26	New Pig Corp.	Miscellaneous shop supplies	79.83	79.83
39035	3/26	Newegg, Inc.	3 Security work stations	2,164.06	605.51
39036	3/26	Peerless Materials Company	Miscellaneous shop supplies	234.72	234.71
39037	3/26	Red Wing Shoe Store	Safety boots for Steve Dulay	153.56	51.18
39038	3/26	Reliable Road Service, Inc.	Unit #2 - replace oil and filters	339.58	113.20
39039	3/26	Reliance Safety Consultants	Competant Person Training - Trenching & Shoring	937.50	312.50
39040	3/26	Royal Roofing Company	Sycamore rental house roof	10,850.00	750.00
39041	3/26	Sawyer Petroleum	339 gallons of red diesel fuel	1,104.66	368.22
39042	3/26	Scotty's Industrial Products	Repair on grinder	29.25	29.25
39043	3/26	Shell	Gas purchased 02/2019	215.50	71.83
39044	3/26	Spectrum Business	Data communication Mills Plant 03/2019	269.96	89.98
39045	3/26	Sully-Miller Contracting Co.	6.02 tons of cold patch	659.50	
39046	3/26	Systemated Business Products	7,000 Stationary envelopes	555.22	555.21
39047	3/26	The Gas Company	Gas purchased Office 03/2019	156.92	52.31
39048	3/26	Univar USA Inc	1,290 gallons of liquid bleach for Mills and Glenwood	3,018.36	
39049	3/26	UPS	Shipping Charges	6.04	6.04
39050	3/26	UtiliWorks Consulting, LLC	Services through 02/2019	8,576.09	
39051	3/26	Valvetek Utility Services, Inc	Flushing of dead end mains	17,744.00	
39052	3/26	Vision Service Plan Co-(CA)	Group Vision for 04/2019	278.46	185.64
39053	3/26	Water Quality & Treatment Solutions	E-995 - Services through 03/01/19	2,640.00	
39054	3/26	Wells Fargo Card Services	Gould: Engineering award (meals, trans.); board meeting dinner	205.13	65.25

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
39055	3/26	Wells Fargo Card Services	Hass: Monthly recurring charges; cellphone supplies; computer hardware; tools	1,120.76	144.99
39056	3/26	Wells Fargo Card Services	Maxwell: Gate openers; tools, hose nozzles for Units #2, #36, #8; lunch for training class; cables for projector	704.61	382.77
39057	3/26	Wells Fargo Card Services	Mitchell: ACWA Spring Conf (reg); tax filing for CV Fin. Corp.; CUEMA training class (Mitchell, Lee); GFOA training class (Lee)	802.25	243.75
39058	3/26	Wells Fargo Card Services	Ochoa: Calpelra training class (hotel, meals, parking); external hard drive; Board meeting dinner	233.82	77.93
39059	3/26	Wells Fargo Card Services	Scott: Community All-Stars ad	850.45	
39060	3/26	Wells Fargo Card Services	Erickson: ACWA Spring Conf (reg)	543.75	181.25
39061	3/26	Western Water Works	Stock: Fire hydrants and adapters, flanges, couplings, nipples, IPS pipe, bushings, air release valves, hydrant caps	23,562.75	
Subtotals				\$ 525,349.85	\$ 65,979.75
Total Disbursements for March 2019				\$ 591,329.60	

Payroll Report

Directors	\$ 1,710.00
Office Regular Payroll	\$ 126,526.00
Office OT	\$ 675.00
Plant Regular Payroll	\$ 114,803.00
Plant OT & Standby	\$ 6,850.00
Employer Payroll Taxes	\$ 18,652.00
Payroll Service Charges	\$ 377.00
Total Payroll for March 2019	\$ 269,593.00

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No.1

April 23, 2019

To: Honorable President and Members of the Board of Directors
From: Nemesciano Ochoa, General Manager
Subject: FY 2019-20 Water and Wastewater Budget

ACTION ITEM:

- A. **MTBE Reserve Fund Transfer to Water Reserve Fund** – Consideration and motion to transfer remaining MTBE Reserve Fund balance to Water Reserve Fund.
- B. **Proposition 218 Notice for Water and Wastewater Rates and Charges** – Consideration and motion to approve the Proposition 218 Notice for Water and Sewer Rates and Charges and to authorize staff to mail said notices on or before April 26, 2019.
- C. **Capital Improvement Program** – Discuss major CIP projects and level of investment.

Discussion:

- A. In November 2013, the Board adopted a policy – Resolution No. 712) – that created an MTBE reserve fund and established rules on how those funds can be utilized. Per Policy Section 21.05, the District can elect to transfer the balance of the MTBE Reserve Fund to the General Water Fund, after July 1, 2018. This date marks the end of a restriction period that limited the utilization of those funds to pay for strictly MTBE-related expenses. Transferring the MTBE funds into the Water Reserve Fund will re-establish the target reserve level in the Water Fund, and provide flexibility in how the District manages its cash flow to fund Water Operations and water-related Capital Projects. Resolution No. 712 is attached for reference.
- B. Staff has prepared and discussed the development of the 2018-19 Budget with the Board of Directors at the prior two board meetings (held on March 26, 2019 and April 9, 2019). The proposed impacts to the water and wastewater rates are summarized in the attached Proposition 218 notice. The proposed rate increase for the average customer on their monthly bill for water and wastewater is \$5.32 and \$1.66, respectively (or 7% and 4%, respectively). In order to comply with Proposition 218, the District must complete the following steps:
 - a. Prepare a Proposition 218 notice describing the proposed increase in water and wastewater rates and charges and the method for protesting the proposed rates and charges.
 - b. Approve and send the notice to all property owners within the District's service area.
 - c. Provide a 45-day Public Notice review period, allowing time for members of the public to submit a written protest.
 - d. Assemble and submit written protests to the Board of Directors after the 45-day notice period.
 - e. Hold a public hearing to determine if a majority of property owners within the District's service area have submitted written protests. If less than half of the property owners submit a written protest, the Board of Directors can proceed with a public hearing on the proposed rate increase.

The proposed rates and charges are consistent with cost-of-service principles, in that they accurately reflect the cost of providing water and wastewater service to CVWD customers.

Under the provisions of Proposition 218, the published rates and charges in the notice can be adjusted lower, but not higher than the noticed rates and charges.

- C. The proposed 2018-19 water rate increase will support approximately \$3.3M to \$3.6M in capital projects, which mainly consist of repair and replacement of critical water infrastructure (e.g. pipelines, wells, pump stations, reservoirs, and water treatment facilities). Two other capital projects that require multi-year investment include Automated Metering Infrastructure (AMI) and Stormwater Recharge (groundwater replenishment).

In the April 9th Board Meeting, staff (and consultant) presented the business case to support implementation of AMI. Staff has budgeted funds in the proposed budget to conduct studies to further evaluate and prepare initial planning and phasing documents for a storm water recharge project.

Recommendation:

- A. Approve the transfer of remaining MTBE Reserve Fund balance to the Water Reserve Fund.
- B. Approve the Proposition 218 Notice for Water and Wastewater Rates and Charges and authorize staff to mail said notices on or before April 26, 2019.
- C. Discuss major cost drivers of the CIP (Pipelines, AMI, Stormwater Recharge, others). Consider the level of investment for Pipelines, AMI, and Stormwater Recharge).

Prepared by:



Nemesciano Ochoa
General Manager

Attachments:

- 1. Resolution No. 712 – MTBE Settlement and Reserve Policy

RESOLUTION NO. 712

RESOLUTION OF THE BOARD OF DIRECTORS OF CRESCENTA VALLEY WATER DISTRICT ESTABLISHING THE DISTRICT'S POLICY ON USE OF METHYL TERTIARY BUTYL ETHER (MTBE) SETTLEMENT AND RESERVE POLICY

WHEREAS, the Crescenta Valley Water District is a County Water District empowered under the State of California Water Code;

WHEREAS, the purpose of this Resolution is to restrict the use of funds received by the District for methyl tertiary butyl ether (MTBE) contamination settlements for use in addressing damages caused by MTBE contamination to groundwater resources and the water system.

WHEREAS, the Board of Directors makes the following findings: Groundwater resources are a portion of the water supply source for the District to obtain potable water for use by its customers; groundwater resources, from which the District's wells extract potable water, have been and continue to be subject to contamination from MTBE, notwithstanding efforts to prevent such contamination, and present a material risk of harm to the District's groundwater resources and its ability to provide safe and reliable drinking water to its customers;

WHEREAS, the District initiated an action entitled Crescenta Valley Water District v. Exxon Mobil Corporation, et. al, U.S. District Court-Central District of California Case No. CV 07-2630-JST, herein after referred to as the "ACTION" to recover damages related to MTBE contamination of groundwater resources and the water system.

WHEREAS, the cost and expense of addressing MTBE contamination of groundwater resources and the water system are uncertain since MTBE contamination of the groundwater basin water is wide-spread.

WHEREAS, in order to ensure that funds received by the District as a result of the ACTION, whether from settlement, judgments or otherwise, excluding interest earned, are used responsibly and solely for addressing the damages from MTBE contamination, the Board of Directors desires to segregate the funds received by it as a result of the ACTION to pay for cost and expenses associated with damages from MTBE contamination of groundwater resources and the water system.

WHEREAS, the District must enact this Resolution in order to segregate and restrict these funds pursuant to Generally Accepted Accounting Principles into a separate account called the "MTBE Reserve Fund";

WHEREAS, the Board of Directors determines that it is in the best interest of the District to enact this Resolution to ensure that funds received as a result of the ACTION are available to address damages from MTBE contamination of groundwater resources and the Water System.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Crescenta Valley Water District authorize that the District's Rules and Regulations include ARTICLE 21 Methyl Tertiary Butyl Ether (MTBE) Reserve Fund (subsections 21.01 through 21.07, inclusive) of the District's Rules & Regulations, the terms of which are set forth in the attached Exhibit A and incorporated by this reference;

PASSED, APPROVED, AND ADOPTED at an Adjourned Meeting of the Board of Directors of Crescenta Valley Water District held on November 19, 2013. Resolution No. 712 was adopted by the following vote:

AYES:	Director	Director Bodnar Director Erickson Director Putnam Director Ross Director Tejada
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NOES:	Director	None
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President, Board of Directors
Crescenta Valley Water District

ATTEST:

Secretary of the Board of Directors

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

I, RON MITCHELL, Secretary of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No. 712 of the Board of Directors of Crescenta Valley Water District adopted at an Adjourned Regular Meeting held on November 19, 2013, and that the same has not been amended or repealed.

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

EXHIBIT A

ARTICLE 21: METHYL TERTIARY BUTYL ETHER (MTBE) RESERVE FUND

21.01 POLICY AND PURPOSE

The purpose of this section is to restrict the use of funds received by the District from MTBE contamination settlements and judgment(s) for use in addressing damages caused by MTBE contamination of groundwater resources and the Water System. It is essential that the District manage these financial resources to ensure that these funds are available to address damages caused by MTBE contamination.

21.02 SEPARATE ACCOUNTING FUND

The funds collected by the District as a result of action entitled Crescenta Valley Water District v. Exxon Mobil Corporation, et. al, U.S. District Court-Central District of California Case No. CV 07-2630-JST (ACTION), whether from settlements, judgments or otherwise, excluding interest earned, shall be restricted by the District for the uses described in Section 21.03, below. The Secretary/Treasurer, who is an Officer of the District, shall establish a separate accounting fund within the Water General Fund for funds received from the ACTION. This separate accounting fund shall be titled the "MTBE Reserve Fund".

21.03 USE OF MTBE RESERVE FUNDS

The funds received by the District from the action shall be deposited in the MTBE Reserve Fund and used solely and exclusively for the costs and expenses associated with addressing damages from MTBE contamination of groundwater resources and the Water System. These costs and expenses include, but shall not be limited to, the following:

- A. **Repayment for MTBE related costs occurred by CVWD:** CVWD used its Water Reserve Fund to pay for costs related to MTBE contamination from January 2004 through December 2013. Any settlement funds received from the defendants shall be first distributed towards repayment of costs occurred by CVWD from 2004 to 2013. Any remaining settlement funds shall be used towards establishing a "MTBE Reserve Fund".
- B. **MTBE Action Studies:** Items such as consultant costs to prepare and update technical reports on the status of the MTBE contamination and engineer's cost estimate for treatment/removal.
- C. **Capital Costs:** MTBE related costs for capital improvements, capital outlay and all other tangible assets that are used in the operations of the District.
- D. **Operating Costs:** MTBE related costs for water sampling, chemicals and laboratory costs and supplies.
- E. **Labor and Overhead Costs:** MTBE related costs for labor and overhead costs.
- F. **Other Related Costs:** MTBE related costs for legal expenses and fees, consultants and other costs and expenses as determined by the District.

21.04 ANNUAL REPORT.

The District shall prepare an annual report on the status of the MTBE Reserve Fund. The report shall include, in addition to those matters required by Generally Accepted Accounting Principles, a detailed description of the funds actually used or committed to be used over the past year, estimated budget for anticipated uses of the funds for the period consistent with the District's Five-Year Forecast, and any other related information the District determines

reasonable or necessary. The report shall be presented to the District's Board of Directors during a noticed regular public meeting of the District's Board of Directors as part of the normal annual budget process. CVWD will include a review of the MTBE Reserve Fund Assets and Liabilities as part of the annual audit.

21.05 MTBE RESERVE FUND RESTRICTIONS:

The following restrictions shall apply to the MTBE Reserve Fund:

- a. **Restriction Period:** Funds shall be restricted to the MTBE Reserve Fund until July 1, 2018. The Board of Directors shall review and take action on the restriction period on or before July 1, 2018.
- b. **Return to Water General Fund:** After the restriction period is complete, the MTBE Reserve Fund may be transferred to the Water General Fund as directed by the Board of Directors.
- c. **Transfer of Available Funds:** Interest earned on the MTBE Reserve Fund will be transferred to the Water General Fund.
- d. **Borrow from the MTBE Reserve Fund:** CVWD can borrow from the MTBE Reserve Fund as a "short-term" loan to the Water General Fund, on approval by the Board of Directors. Loans need to be paid back to the MTBE Reserve Fund, without interest, within a 3-year period, and total loans are not to exceed 50% of the MTBE Reserve Fund.

21.06 RULES AND REGULATIONS

The District shall have the authority to create rules, regulations, and procedures to implement and carry out the intent and purpose of this section provided such rules, regulations, and procedures are consistent with this section

21.07 AMENDMENT/MODIFICATION/TERMINATION

This Article 21 may be amended, modified or terminated by the District at any time after its adoption. Amendments, modifications, or termination shall be considered and approved, or disapproved, only at a public meeting of the District's Board of Directors.

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2

April 23, 2019

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: TTHM Mitigation and Disinfection Process Upgrades, Project E-995

ACTION ITEM:

TTHM Mitigation and Disinfection Process Upgrades, Project E-995 - Discussion and update of CVWD's TTHM study and disinfection process upgrades

BACKGROUND:

The District uses chlorine as a disinfectant to treat drinking water. Chlorine can create disinfection by-products during treatment, known as Total Trihalomethanes or TTHMs as chlorine reacts with naturally occurring organic matter in imported water. CVWD's imported water is supplied by FMWD/MWD from either the Colorado River (CRW) or the State Water Project (SWP). Typically, the water supply blend for CVWD is 60% groundwater and 40% imported water. With the on-going localized drought and groundwater levels not fully recovered, CVWD's water supply blend has shifted to 40% groundwater and 60% imported water. This, coupled with additional chlorine needed for breakpoint chlorination in the system, has caused an increase in TTHMs in the distribution system.

DISCUSSION:

Operational Changes:

Water system operational changes continued which reduced the amount of water storage and lowered the TTHM levels as shown on the attached charts. The TTHM levels have started to increase over the last two weeks, which may be due to the higher temperatures, demand remaining at low levels and MWD using more State Water Project water at the Weymouth Plant. Staff will continue to monitor and look at operational changes to reduce the TTHM levels.

Construction – Chloramine Conversion:

Installation of Ammonia Injection System for Chloramine Conversion:

The following are tasks planned for the next few weeks by staff and its consultants:

- o Field crews are finalizing the work at the Mills Plant.
- o Field crews continued installation of new chlorine analyzers at next location, Goss Canyon Reservoir.
- o Field crews and APEX will be on-site the week of April 29th to coordinate disinfection injection sequencing and SCADA monitoring of chlorine levels at the Mills and Glenwood Plants.
- o Staff will be getting bids for the upgrade to the chlorination system at Pickens Canyon Tunnel.
- o Staff and WQTS finalizing submittal to DDW for amending permit.

Water Distribution Flushing:

ValveTek has completed dead-end water main flushing in Zones 1 – 6, which is 82 of the 134 dead-end water mains. Valvetek is on-schedule to complete the work by mid-May 2019. Staff has received no complaints since the last update.

PROJECT SCHEDULE:

Project Schedule - Installation of Ammonia Injection System:

Staff has updated the project schedule based on the lead-time for the precast concrete vault provided by the vendor. The precast concrete vault delivery date revised to April 30, 2019, which is earlier than reported at the last Board meeting. Field crews are preparing for the installation, which should be completed by May 3, 2019.

Project Schedule – Conversion to Chloramines:

Staff has reviewed the TTHMs mitigation option decision tree provided by WQTS, which set specific dates for converting to chloramines based on TTHM levels in the reservoirs. The next compliance sampling date is June 2019, which will be an average of April, May and June TTHM results at the compliance locations.

Staff anticipates that the TTHM level will be below the target level of 64 ug/L and still has concerns about the TTHM levels increasing during the summer of 2019 due to higher demands, higher temperature, and more SWP water from MWD.

Staff and its consultants are working with the Division of Drinking Water (DDW) to amend the District's permit to operate. Staff plans to submit permit request with supporting data to DDW shortly and amendment to the permit completed by the end of May 2019.

Past Actions:

- o August 14, 2018
 - Discussion by Dr. Issam Najm of WQTS on TTTMs and Chloramines.
 - Awarded contract to WQTS for \$10,000 for initial study and evaluation.
- o August 28, 2018
 - Awarded contract to WQTS for \$99,800 for chloramine conversion, public outreach, staff and operator training, Department of Drinking Water (DDW) permitting support, development of necessary mitigation plans, and preparation of 30% design plans.
 - Awarded contract to Hazen and Sawyer for \$9,971 to perform bench testing of CVWD's source water to determine proper breakpoint chlorination and formation of TTHMs.
- o September 11, 2018
 - Staff, worked with WQTS and CV Strategies to mail out public information brochures with a list of frequently asked questions.
 - Staff posted information on website and articles in the CV Weekly and Glendale Newspress.
- o September 15, 2018 – Public Workshop at the Glenwood Plant
- o September 25, 2018
 - Authorized General Manager to select and negotiate with consultants and contractors for the installation of chloramination systems at the Glenwood and Mills Plants for \$410,000.
 - Award contract to John Robinson Consulting (JRC) for \$45,225 for contract and construction administration for the new ammonia injection system.
 - Amended contract to WQTS for \$44,240 for additional design work by Carollo Engineers.
- o October 9, 2018
 - Office & field staff trained on the nitrification and chloramines processes.
 - Carollo Engineers submitted preliminary 30% design plans for review.
- o October 23, 2018
 - Site walk at Glenwood and Mills Plants to determine location of ammonia injection skids, ammonia injection conduits, and SCADA and electrical conduits.
 - JRC prepared and sent out a request for quote for purchase of two (2) ammonia injection pump skids.
 - Grace Environmental Services (Grace) provided a proposal for a system operator to assist staff during the chloramine conversion process in the distribution system.
 - Site visit from Apex Manufacturing Solution (APEX), on the design and installation of SCADA equipment and integration at Glenwood and Mill Plants.
 - Met with Hazen and Sawyer on design and installation of new chlorine analyzers at six (6) locations to provide additional monitoring after conversion to chloramines.
- o November 6, 2018
 - Field crews potholed the 14-inch water main at the Glenwood Plant for depth and location for the ammonia injection concrete vault.
 - Awarded contract and ordered the concrete vault from Jensen Precast for \$36,775 at the Glenwood Plant and estimated delivery is 8 – 10 weeks after approval of shop drawings.
 - Awarded contract and ordered ammonia injection pump skids from Cortech Engineering for \$29,850 and estimated delivery in 8 – 10 weeks after approval of shop drawings.
 - 30% design plans were reviewed and sent back to Carollo Engineers for final edits.
 - Awarded contract to BrikArt Construction for \$7,011 to install concrete pad at Mills Plant.
 - Awarded contract to APEX for \$47,725 for the design and integration of SCADA equipment at Glenwood and Mill Plants.
- o November 20, 2018
 - Authorized General Manager to select and negotiate with consultants and contractors for the operations and maintenance for the new chloramination systems at a cost not to exceed \$500,000.
 - BrikArt Construction completed the concrete pad at the Mills Plant.

- Awarded contract to Hazen and Sawyer for \$53,255 for design services for the installation of six (6) new chlorine analyzers.
- Awarded contract to Core-Rosion and ordered a 405-gal tank with level indicator sensor at Mills Plant for \$7,153.
- Awarded contract to ValveTek Utility Services (Valvetek) to perform dead-end water main flushing for \$131,000.
- Awarded contract to Hopkins Technical Products to upgrade seven (7) existing ProMinent chlorine analyzers for \$32,870.
- Awarded a contract to Hach, Inc for new seven (7) new chlorine analyzers and upgrade five (5) existing chlorine analyzers for \$91,560.
- o December 12, 2018
 - Shop drawings from Cortech Engineering for the two (2) ammonia skids and from Core-Rosion for the 405-gal ammonia tank were reviewed by JRC and sent back with comments.
 - Staff provided comments on the Nitrification Monitoring & Control Plan to WQTS.
 - JRC submitted plans to Glendale Fire Department for permits for Glenwood and Mills Plants.
 - Staff met with Medora Corp to discuss installing new mixers in reservoirs to maintain chloramine residual and portable chlorine injection systems.
 - Field crews started working on upgrading/repairing blow-offs for dead-end water main flushing.
- o January 8, 2019
 - Delivery of concrete vault from Jensen Precast delayed due to shop drawing revisions and current workload at Jensen Precast. Anticipated delivery date – late March 2019.
 - Staff and WQTS met to discuss updating CVWD's water quality distribution sampling plan for submittal to DDW for approval.
 - Staff met for a kick-off meeting with Hazen and Sawyer on the design of six (6) new chlorine analyzers.
 - Glendale Fire Department determined no permits are required for the installation of the ammonia injection system and will issue a refund fees.
 - Field crews continued working on upgrading/repairing blow-offs for dead-end water main flushing
 - Finalized shop drawings for ammonia skids with Cortech Engineering.
 - Staff purchased SCADA equipment from Royal Industrial Solutions
 - Staff and APEX continue meeting on SCADA integration for the new disinfection process
- o January 22, 2019
 - JRC finalizing costs with Univar for supplying liquid ammonia sulfate in both mini-bulk deliveries for Mills Plant and in 330-gallon containers at Glenwood Plant.
 - Ammonia Tank for Mills Plant delivered at the end of January 2019.
 - Finalized shop drawings for concrete vault. Anticipated delivery date – mid April 2019.
 - Ammonia skids from Cortech Engineering – Anticipated delivery date – February 25, 2019.
 - Staff and APEX continue meeting on SCADA integration for the new disinfection process.
- o February 12, 2019
 - Awarded contract to APEX for \$32,090 for SCADA design and integration for new chlorine analyzers.
 - Staff completed review of Hazen & Sawyer 30% design submittal for the six (6) new chlorine analyzers.
 - Staff and WQTS met to finalize submittal to DDW for amending permit.
- o February 26, 2019
 - Field crews completed upgrades and repairs of blow-offs prior to dead-end water main flushing
 - Hazen and Sawyer submitted 75% design for the six (6) new chlorine analyzers
 - Staff and ValveTek met on February 19 to discuss the project schedule.
- o March 12, 2019
 - Ammonia skids delivered on February 28, 2019
 - Valvetek performed a public demonstration near the Glenwood Plant on March 5, 2019
 - Staff finalized 75% design for the six (6) new chlorine analyzers
 - APEX completed 75% SCADA design, which was reviewed by Operation's staff

- o March 26, 2019
 - Crews installed ammonia skid with new concrete base at Glenwood Plant
 - Crews installed ammonia skid at Mills Plant
- o April 9, 2019
 - Field crews complete installation of new chlorine analyzer at Dunsmore Reservoir
 - Field crews completed the installation of conduits and chlorine analyzers at Mills and Glenwood
 - Finalized purchase of SCADA equipment from Royal Industrial Solutions

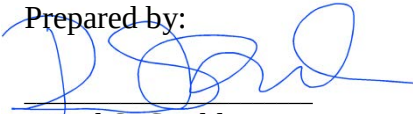
Updated Cost Estimate:

Account Description	Amount - 4/9/19	Amount - 4/23/19	Difference
Transfer from MTBE Reserve Fund (9/25/18)	\$500,000	\$500,000	\$0
Transfer from MTBE Reserve Fund - (11/20/18)	\$500,000	\$500,000	\$0
Total Estimated Cost for Project	\$1,000,000	\$1,000,000	\$0
Consultants - Planning, Design & Construction Admin			
WQTS - Planning	\$10,000	\$10,000	\$0
WQTS - Design	\$144,040	\$144,040	\$0
Hazen & Sawyer - Water Quality	\$11,970	\$11,970	\$0
John Robinson Consulting - Project Management	\$45,225	\$45,225	\$0
Grace Environmental Services (3 months part-time service) (Estimate)	\$5,000	\$5,000	\$0
Apex Manufacturing Solution - SCADA programming and integration	\$54,165	\$54,165	\$0
New Chlorine Analyzers - 6 locations - Hazen and Sawyer - Design	\$53,255	\$53,255	\$0
Public Notification - CV Strategies , Printing & Mailing	\$11,168	\$11,168	\$0
WQ Sampling - 7/1/18 to 3/31/19	\$78,759	\$78,759	\$0
WQ Sampling - 4/1/19 to 6/30/19 (Estimate)	\$28,000	\$28,000	\$0
Subtotal	\$441,582	\$441,582	\$0
Construction			
Ammonia Injection Skids (2)	\$33,844	\$32,686	(\$1,158)
SCADA - Equipment (RTU's, Communication, cabinets, etc..) (Estimate)	\$23,200	\$23,200	\$0
Concrete Pad & Grading at Mills	\$7,011	\$7,011	\$0
Ammonia Inject Vault at Glenwood	\$36,775	\$36,775	\$0
Ammonia Tank at Mills	\$6,922	\$6,922	\$0
Static Mixer & Ammonia Injection System	\$11,236	\$11,236	\$0
Conduits/Wiring/Electrical Materials (Estimate)	\$8,200	\$8,200	\$0
Upgrade Chlorine Analyzers (Mills & Glenwood)	\$18,665	\$18,665	\$0
Safety - Eye Wash, Containment, etc.. (materials only) (Estimate)	\$3,700	\$3,700	\$0
On-site Welding (Estimate)	\$9,000	\$9,000	\$0
Misc (Estimate)	\$5,146	\$5,146	\$0
Subtotal	\$163,699	\$162,541	(\$1,158)
Operations & Maintenance			
Upgrade Chlorine Analyzers - 4 locations Equipment (Hach)	\$27,520	\$27,520	\$0
Upgrade Chlorine Analyzers - 7 locations Equipment (ProMinent)	\$36,372	\$36,372	\$0
New Chlorine Analyzers - 6 locations - SCADA Programming	\$32,090	\$32,090	\$0
New Chlorine Analyzers - 6 locations - SCADA Equipment (Estimate)	\$30,000	\$30,000	\$0
New Chlorine Analyzers - 6 locations - Equipment (HACH)	\$58,875	\$58,875	\$0
Dead-ends Water Main Flushing - Valvetek	\$131,000	\$131,000	\$0
Misc (Estimate)	\$5,245	\$5,245	\$0
Subtotal	\$321,102	\$321,102	\$0
Total Cost	\$926,383	\$925,225	(\$1,158)
Amount Remaining	\$73,617	\$74,775	

RECOMMENDATION:

It is staff's recommendation to continue with the installation of the ammonia injection system, chlorine analyzers and site improvements for conversion to chloramines.

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:



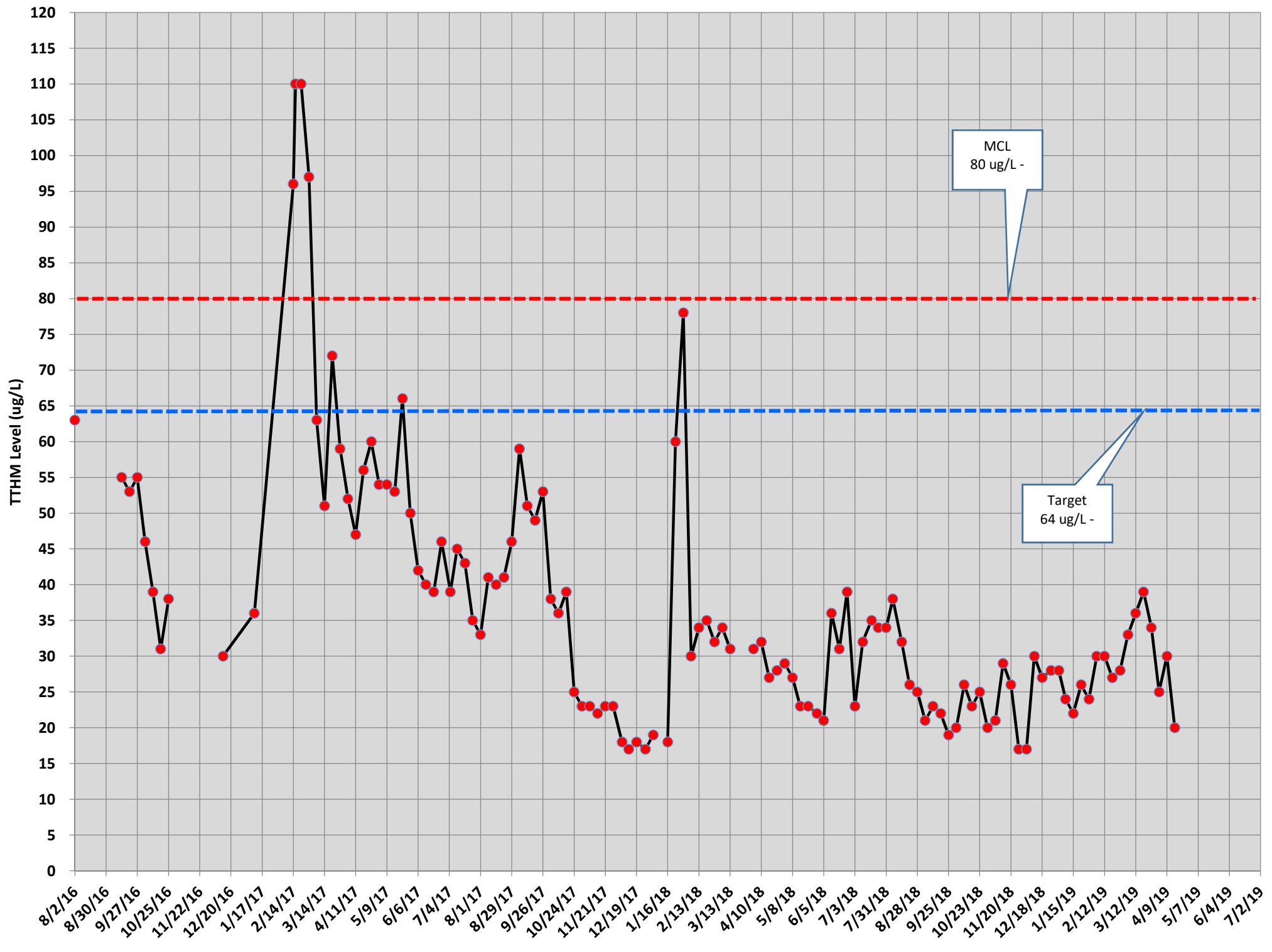
Nem Ochoa
General Manager

Attachments:

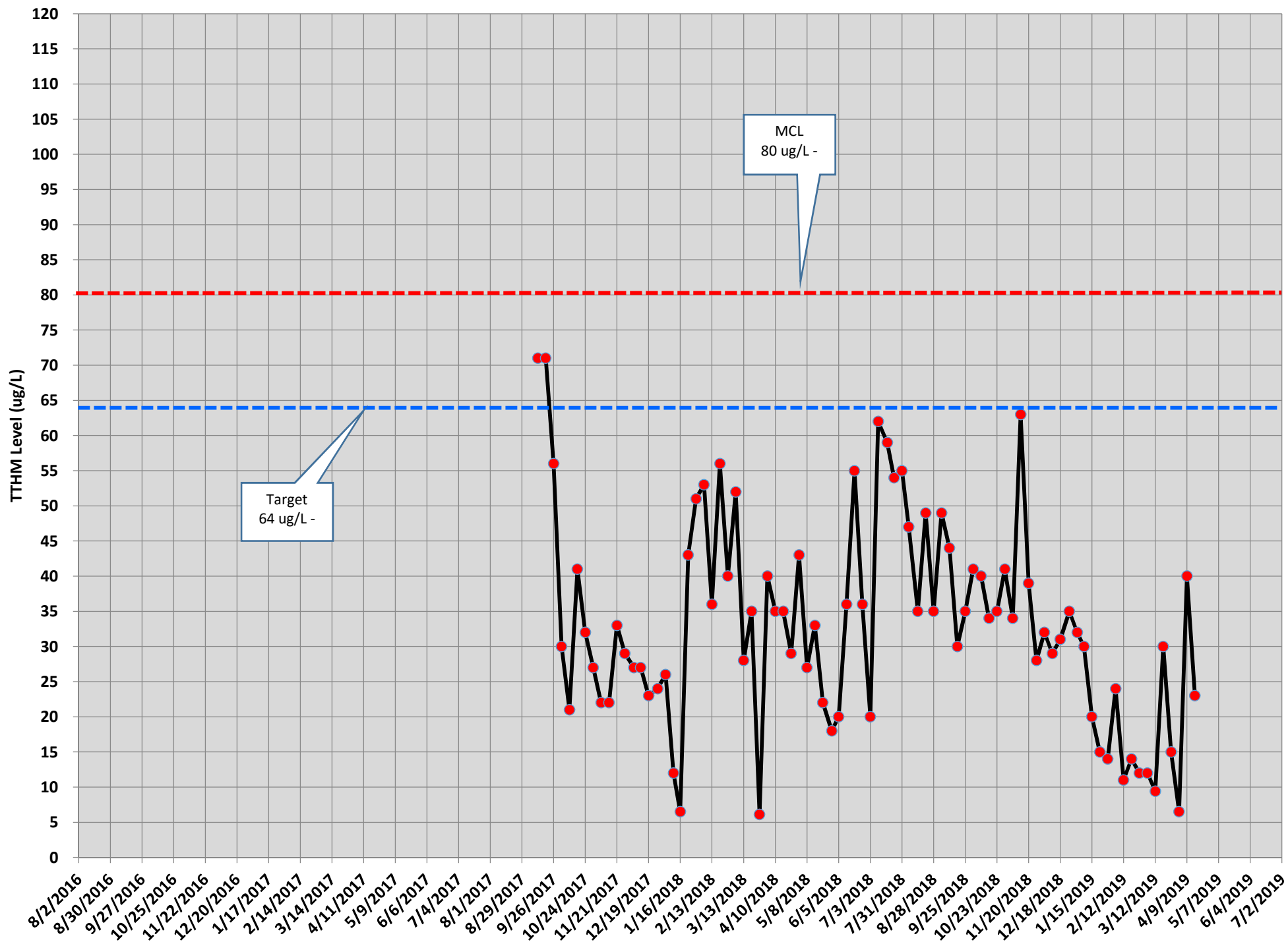
1. TTHM Charts dated 04-16-19

g:\management\board meeting staff reports\2019\04-23-19 board memo - e-995 disinfection process upgrades - update 13.docx

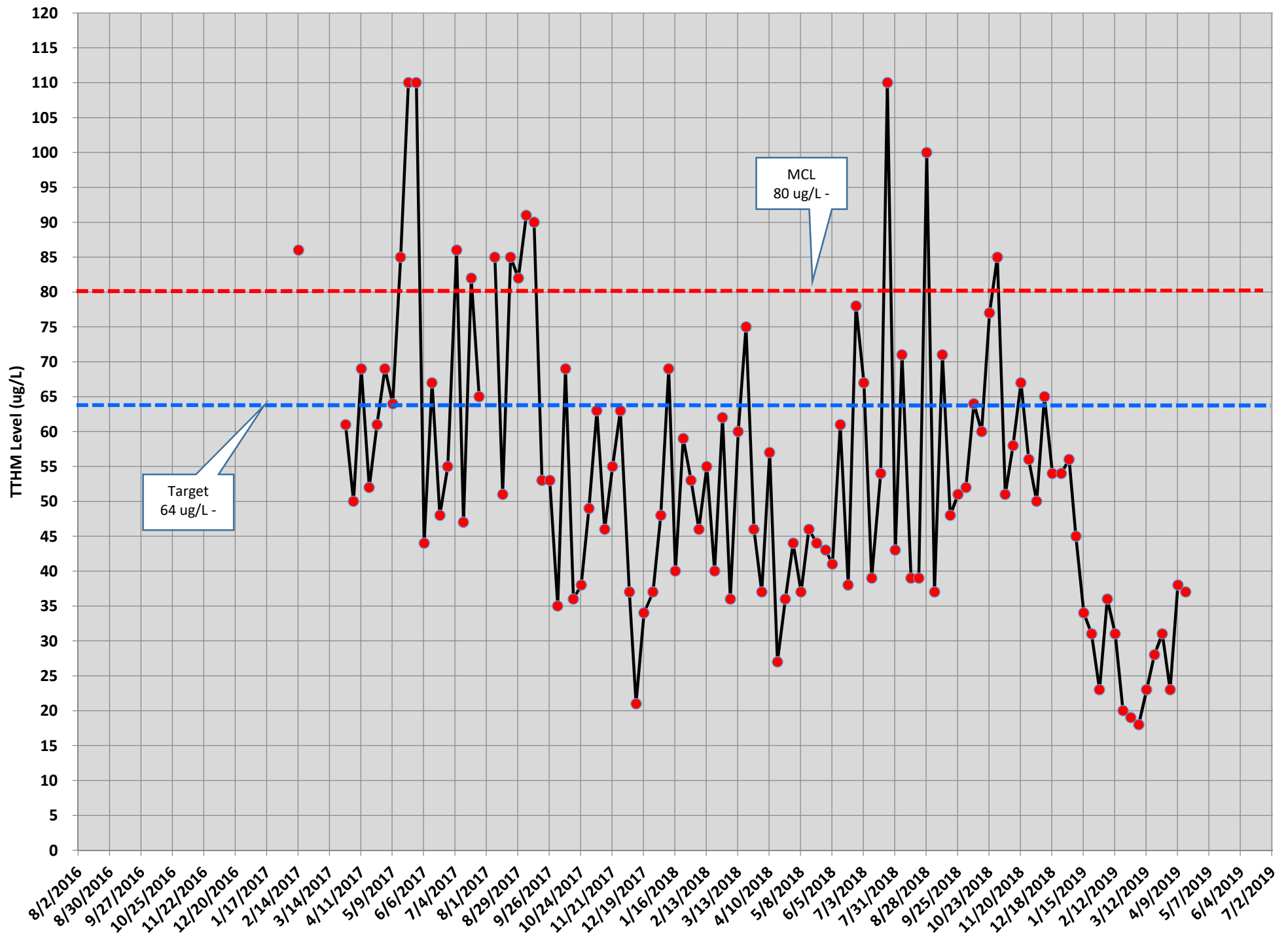
FMWD at Paschall Booster - TTHM's Levels



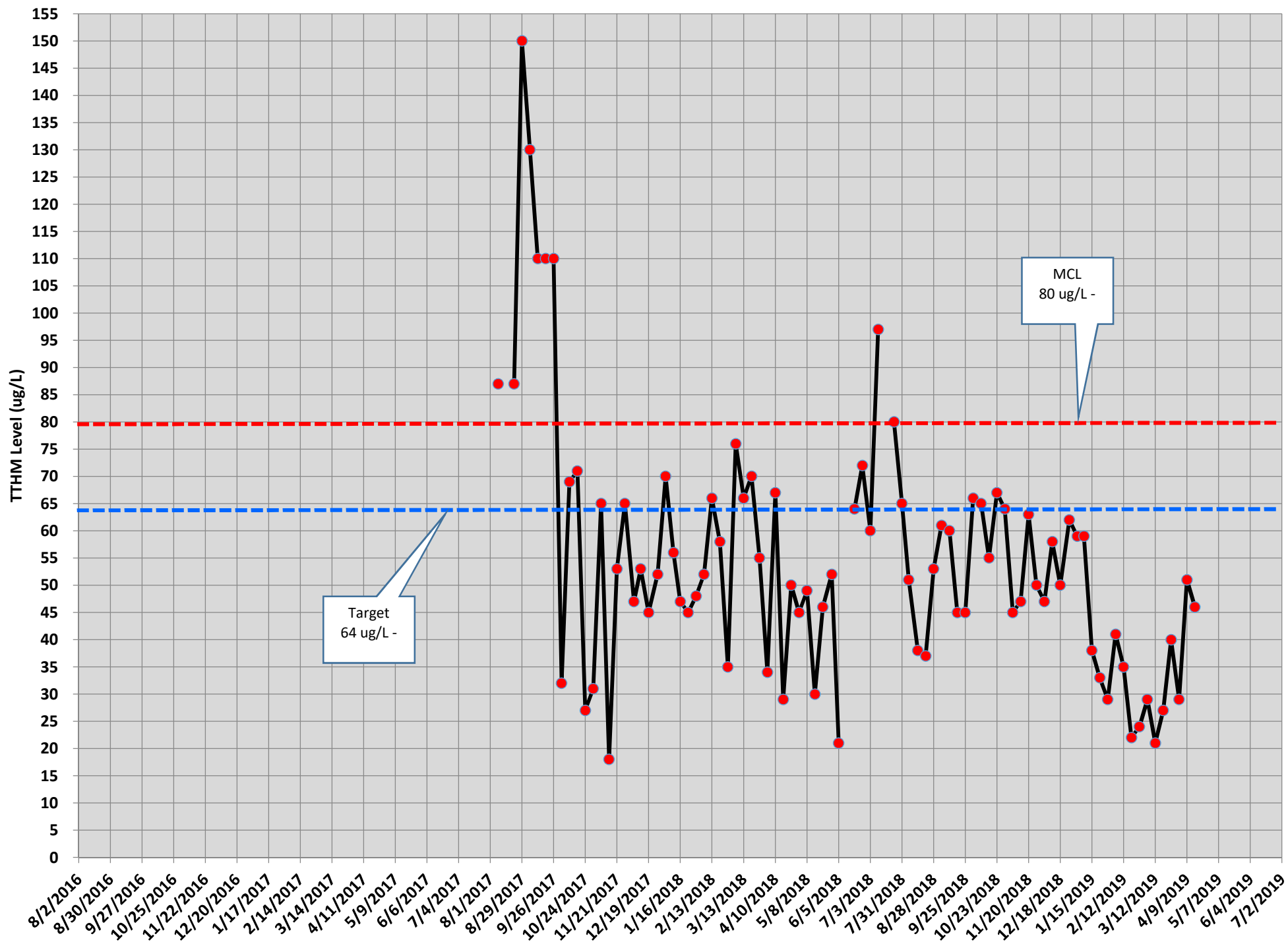
Encinal Reservoir (Zone 1) - TTHMs Levels



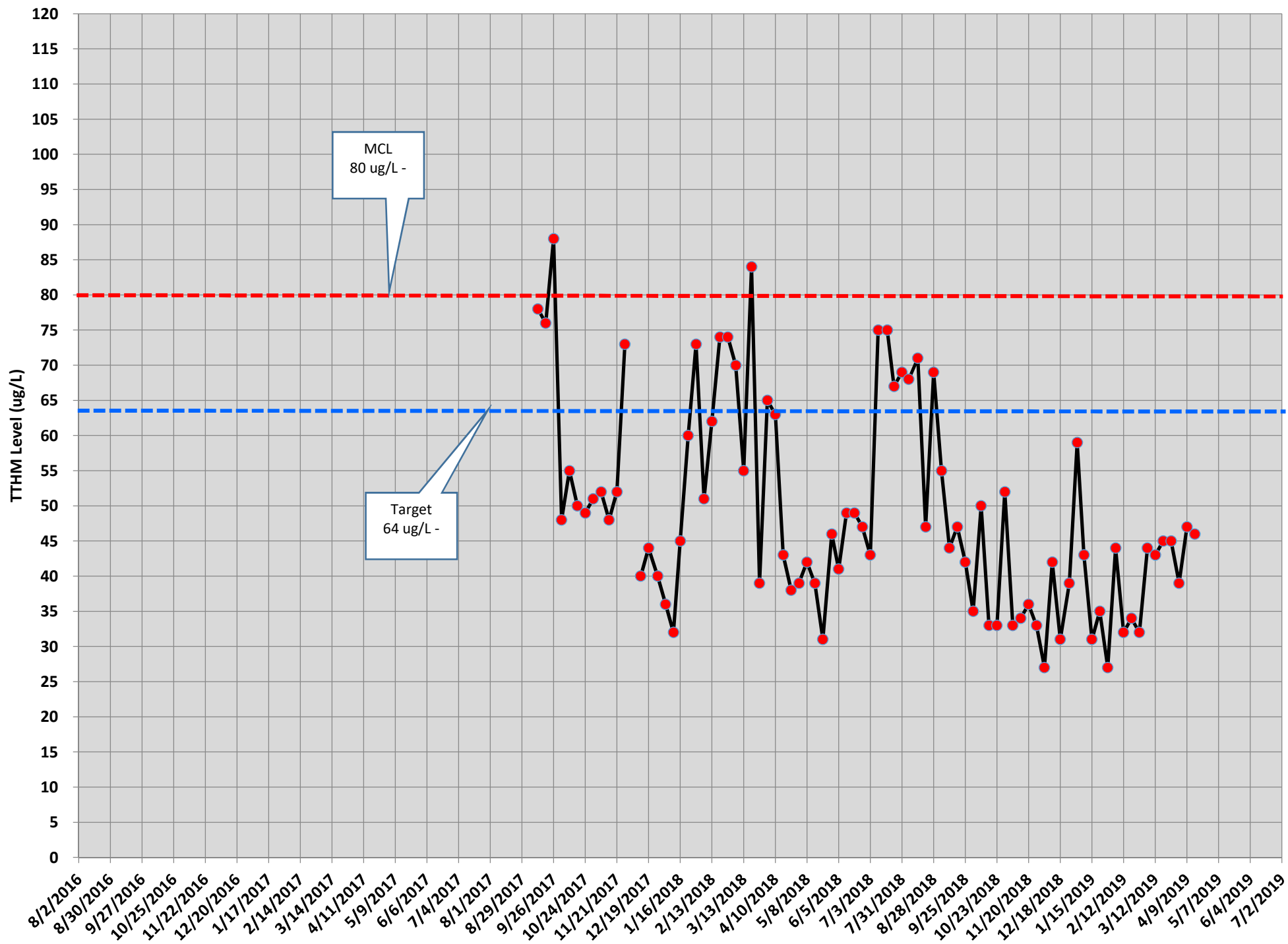
Williams Reservoir (Zone 2) - TTHMs Levels



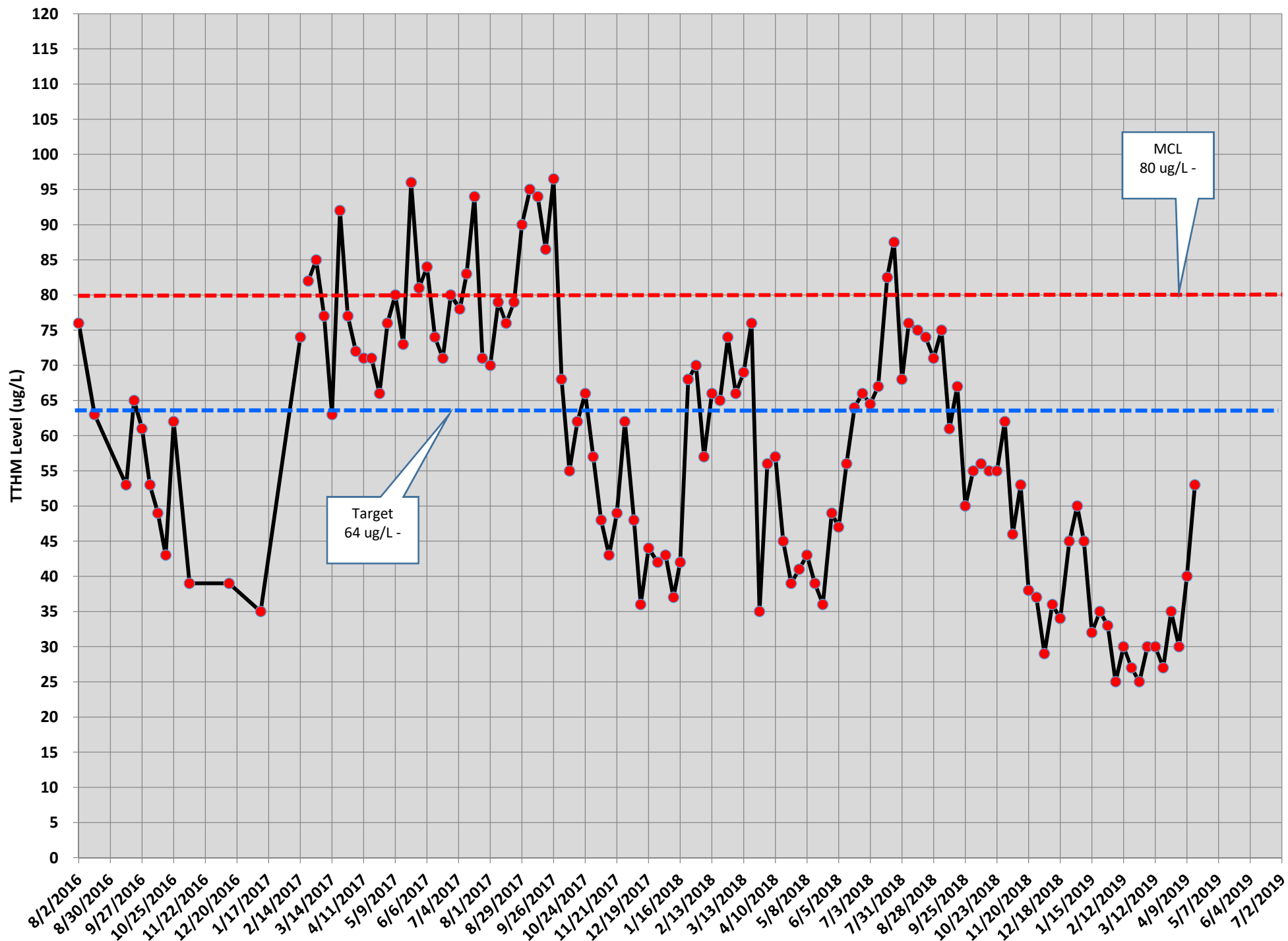
Ordunio Reservoir (Zone 2) - TTHMs Levels



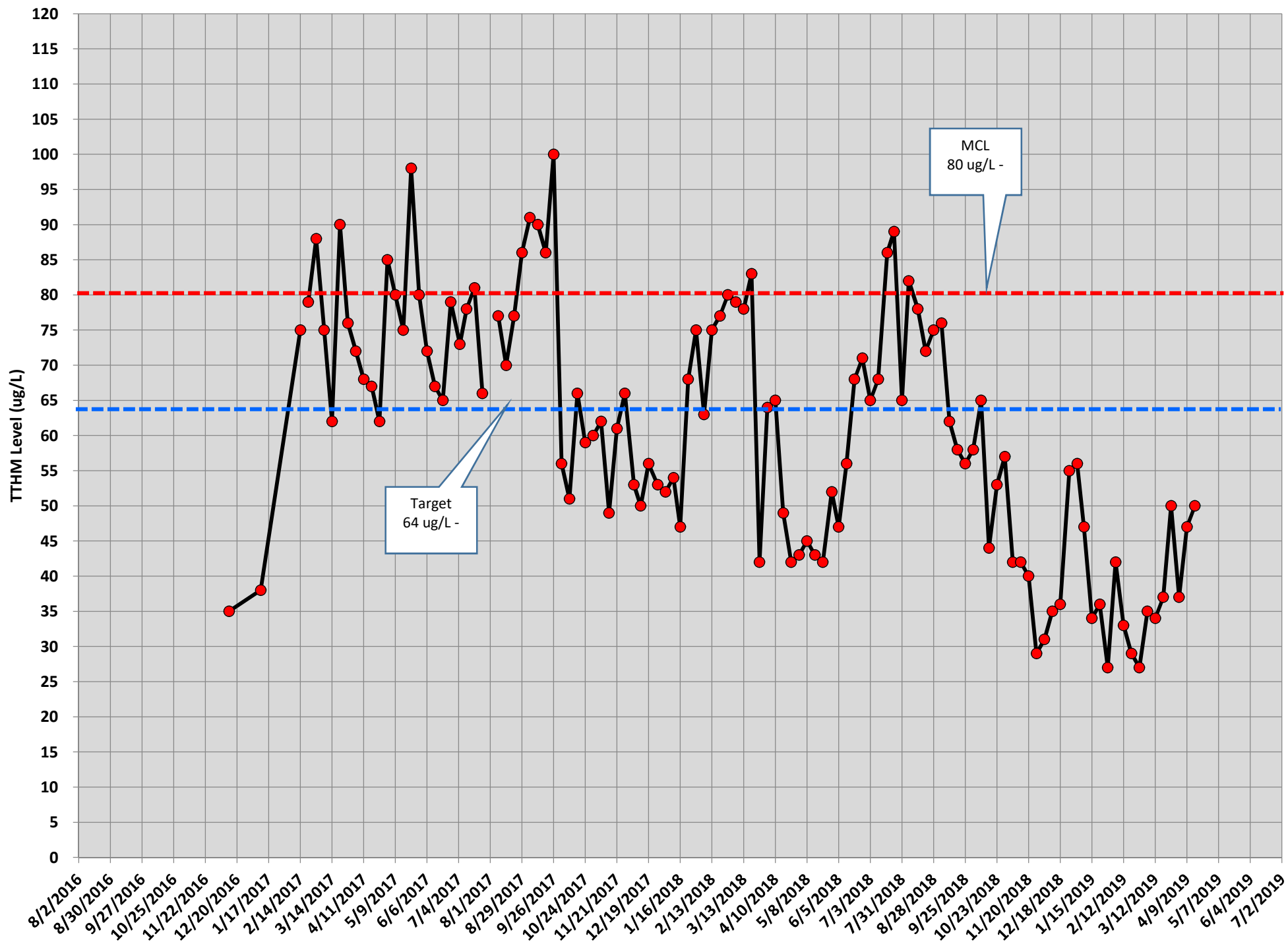
Rosemont Reservoir (Zone 3) - TTHMs Levels



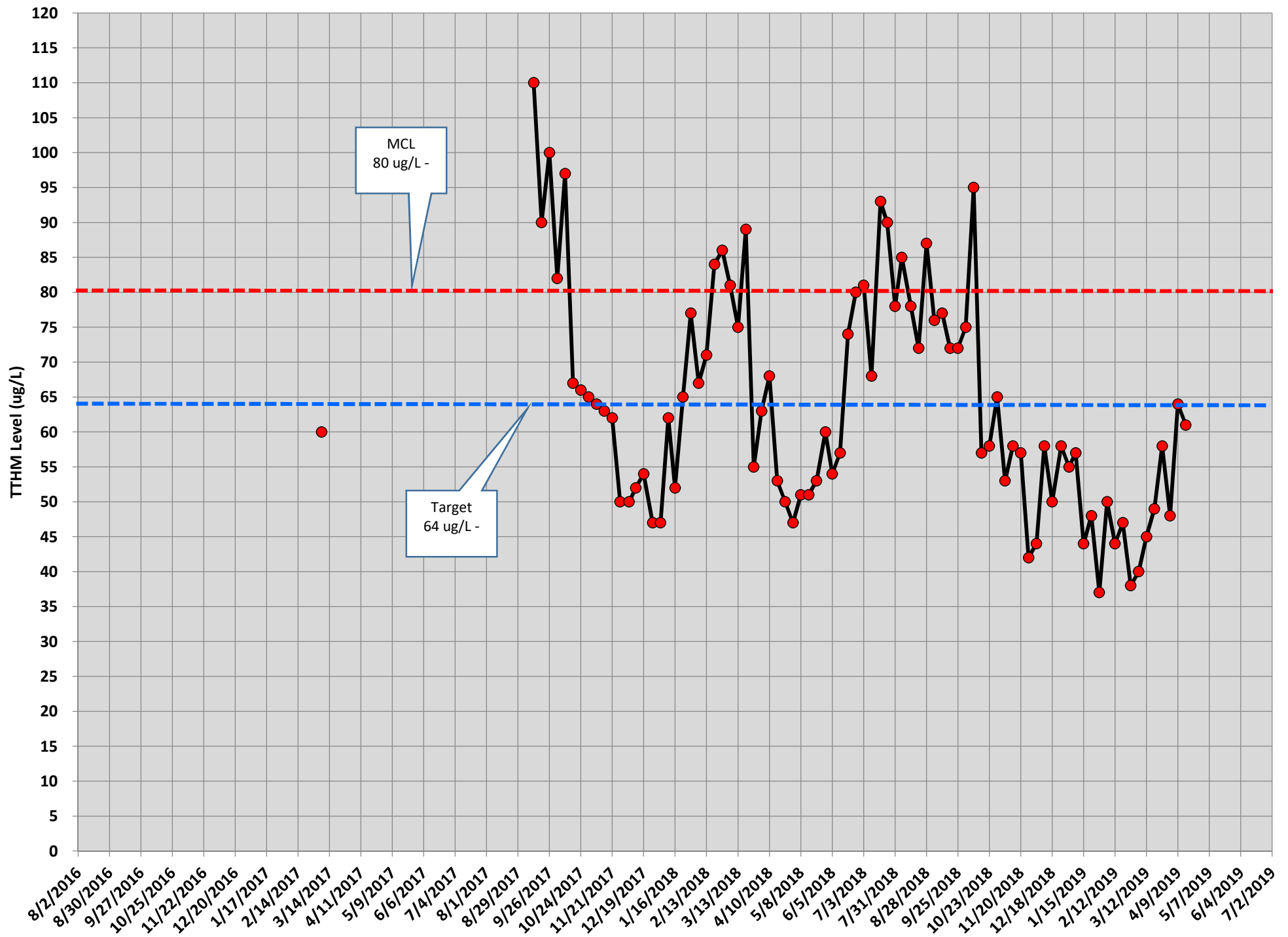
Oak Creek Reservoir (Zone 4) - TTHMs Levels



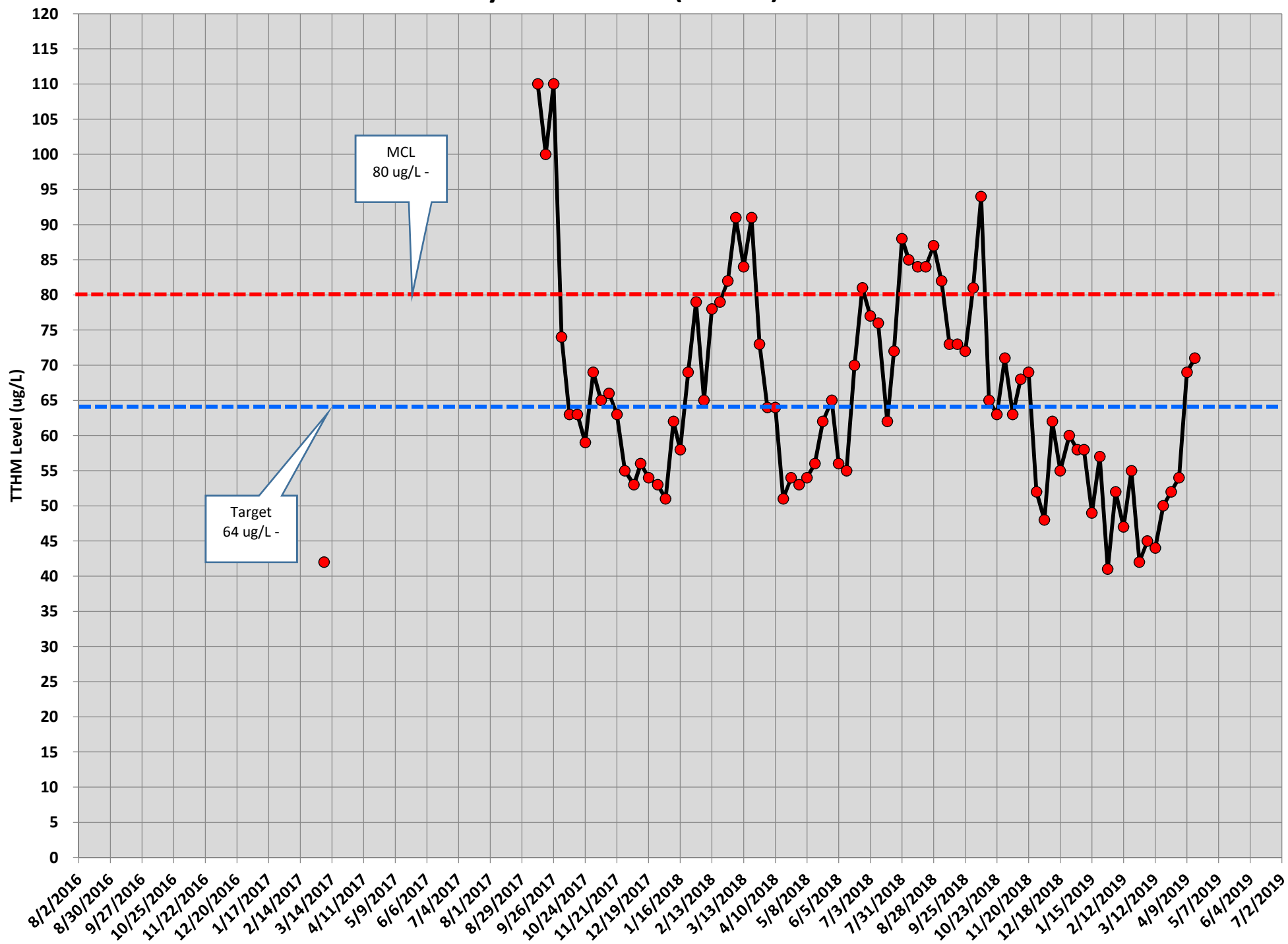
Markridge Reservoir (Zone 5) - TTHMs Levels



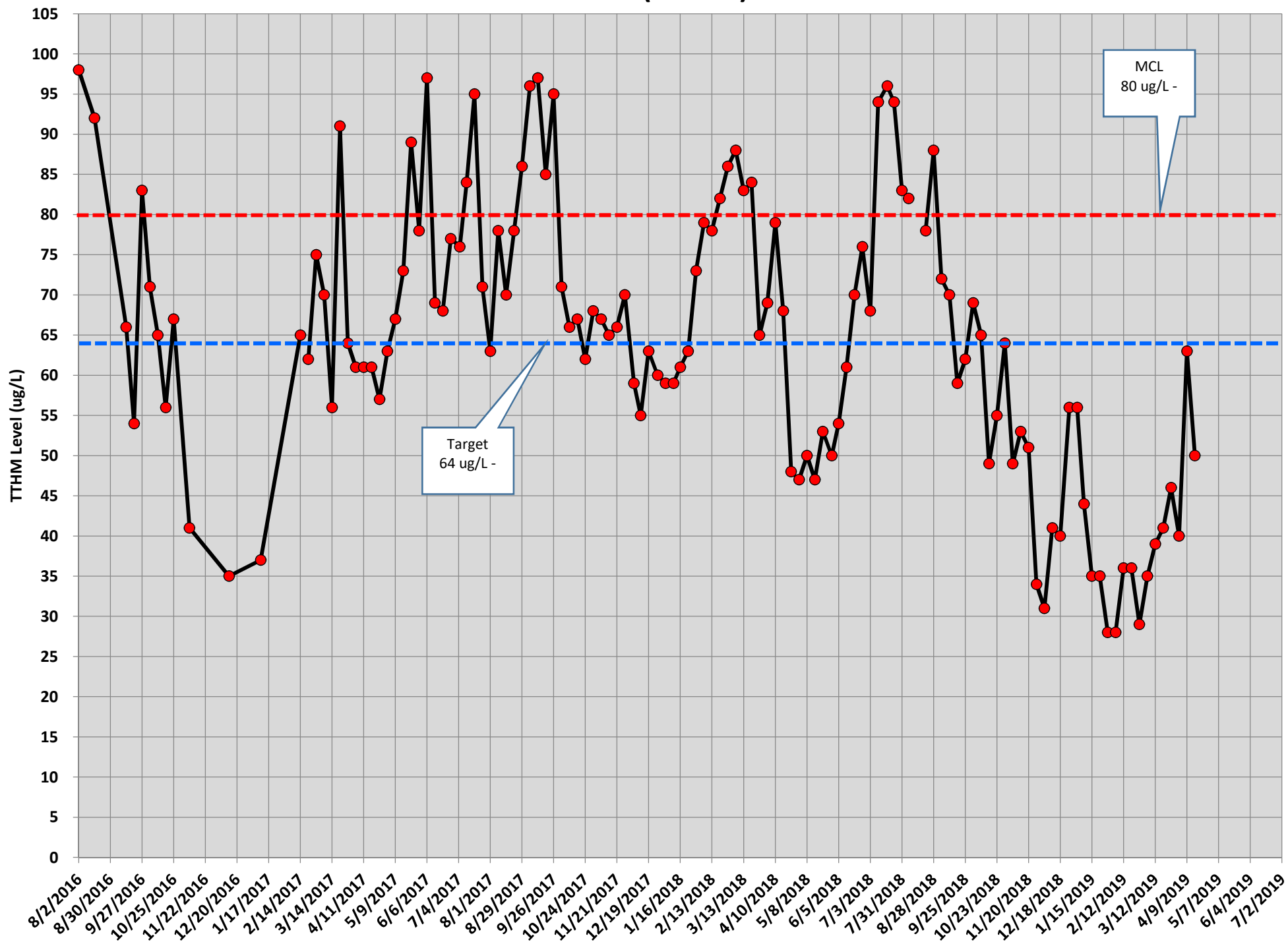
Eagle Canyon Reservoir (Zone 5) - TTHMs Levels



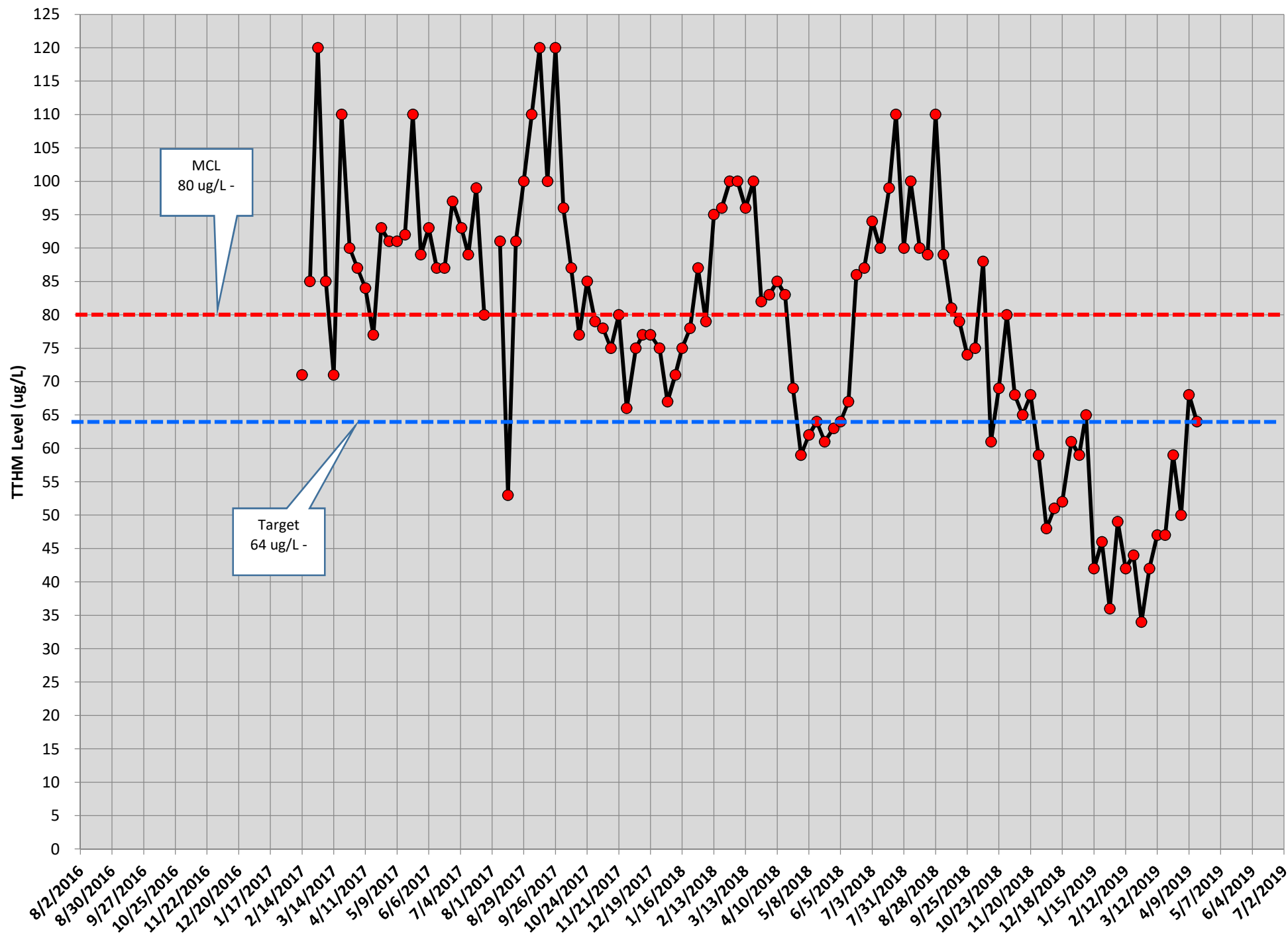
Goss Canyon Reservoir (Zone 6) - TTHMs Levels



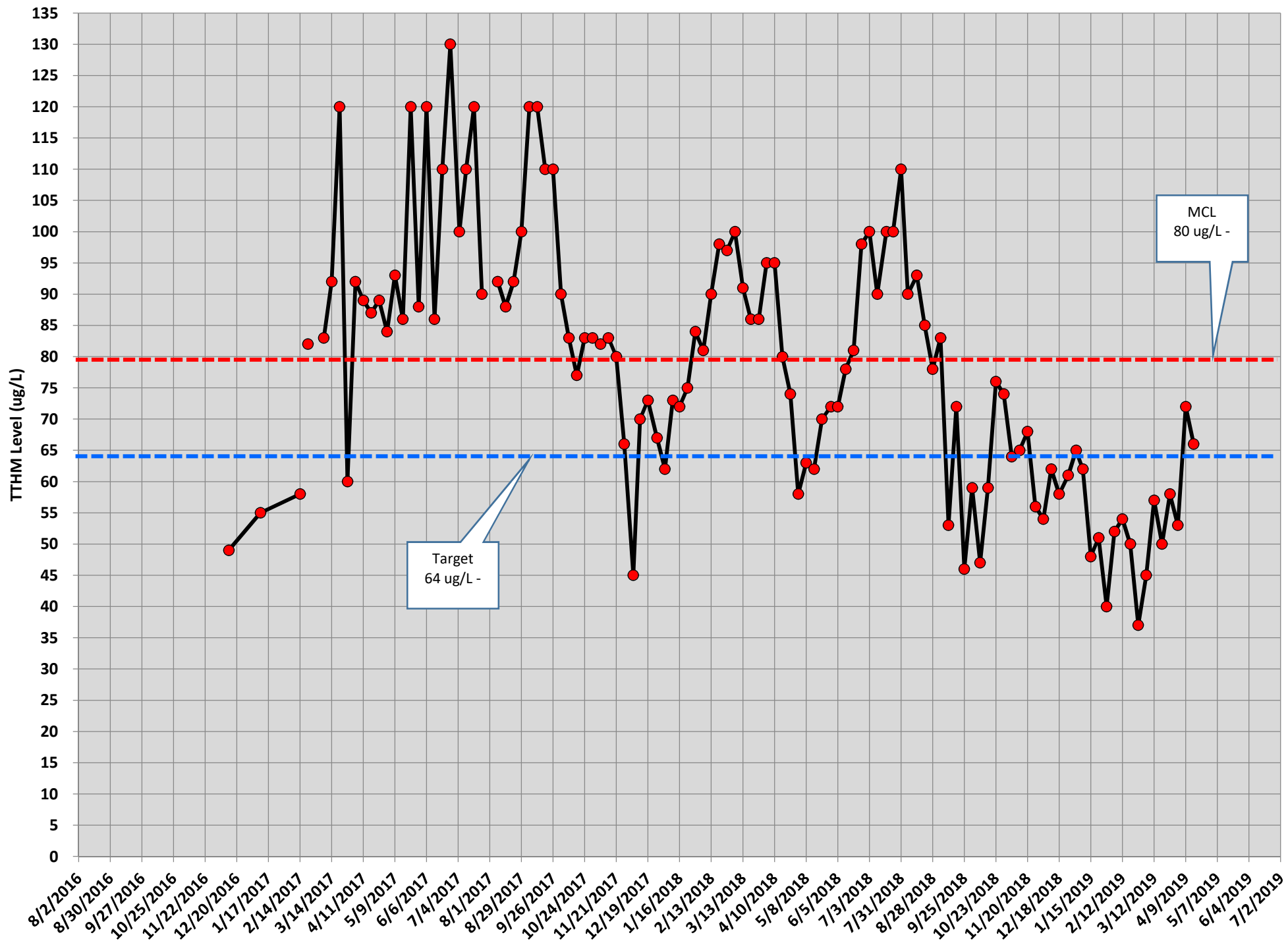
Dunsmore Reservoir (Zone 7) - TTHMs Levels



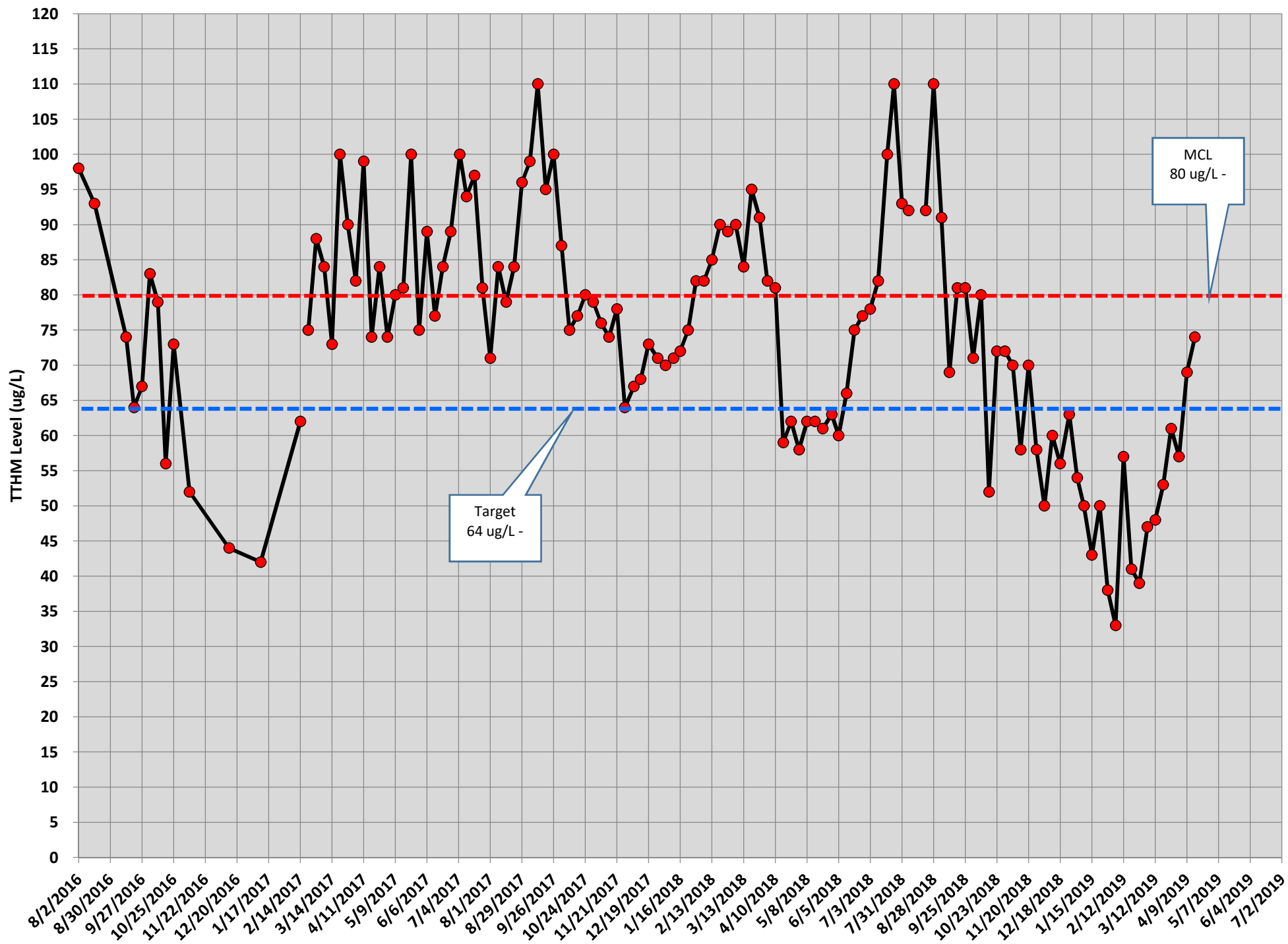
Cresta Heights Reservoir (Zone 8) - TTHMs Levels



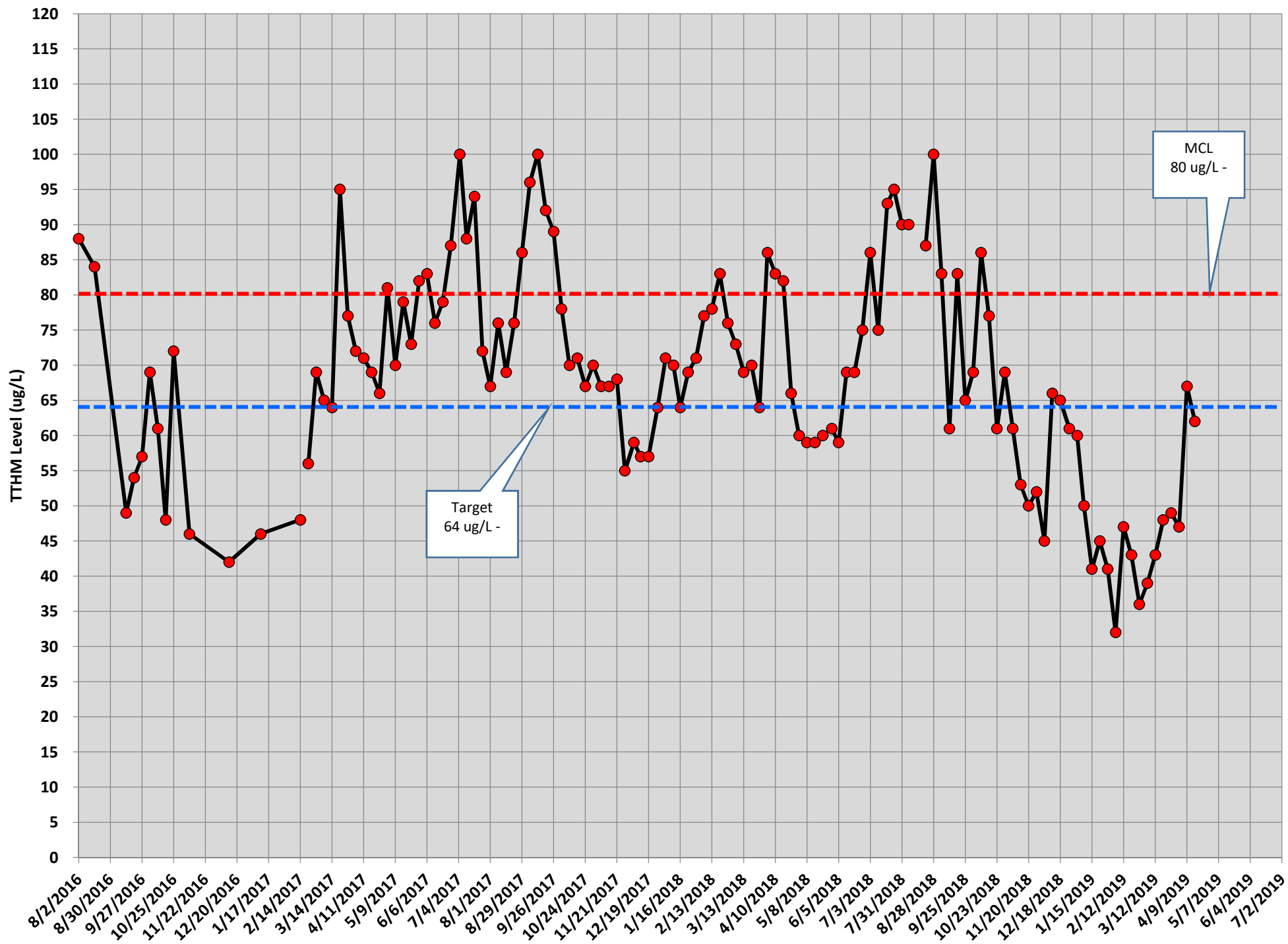
Edmund No. 1 Reservoir (Zone 9) - TTHMs Level



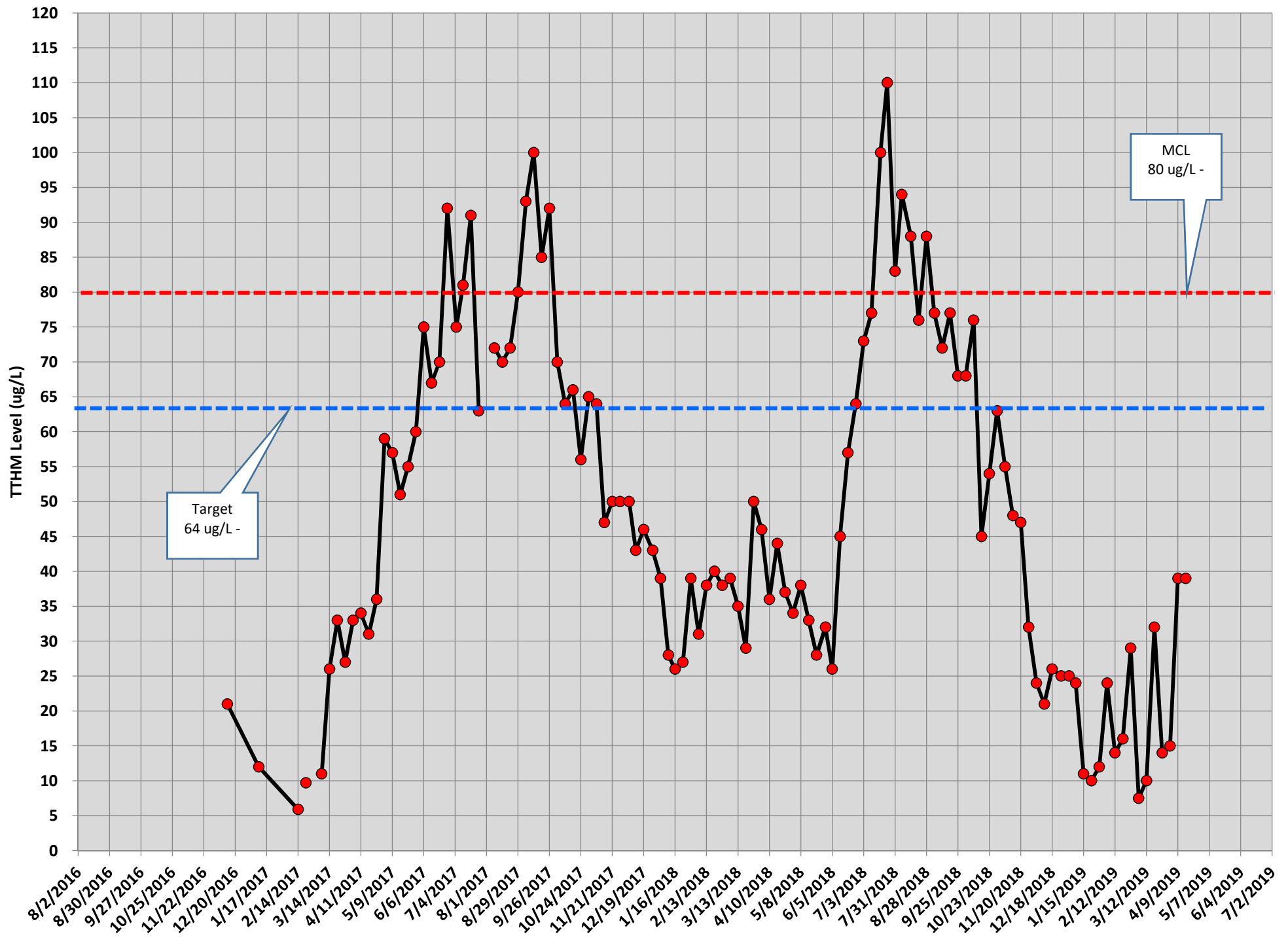
Edmund No. 2 (Zone 9) - TTHMs Levels



Shields Reservoir (Zone 10) - TTHMs Levels



Pickens Reservoir (Zone 11) - TTHMs Levels



CRESCENTA VALLEY WATER DISTRICT

General Manager Report

To: Honorable President and Members of the Board of Directors
From: Nem Ochoa, General Manager
Subject: **General Manager Report**

GM Report
April 23, 2019

General Managers Report Topics:

- GM Activities

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

- Directors' stipend report

STAFFING

One (1) employee has a work anniversary in April. Arturo Montes – 1 year.

As of April 19th the District has gone 1,774 days without a lost time accident.

GENERAL MANAGER ACTIVITIES

Meetings:

Management staff meetings	- April 15 th , April 22 nd
Foothill MWD Managers Meeting	- April 17 th
CV Town Council Meeting	- April 18 th

Submitted by:



Nem Ochoa
General Manager

Crescenta Valley Water District
Director Stipend/ Expense Reimbursement Report
April 2019

Name	Meeting Date	Meeting/ Event	Items Discussed	Meeting Compensation	Expense Reimbursement
Director Bodnar	04/09/19	Board Meeting		\$ 90.00	
	04/12/19	Emp Relations Committee	MOU negotiations	\$ 90.00	
	04/23/19	Board Meeting		\$ 90.00	
	04/26/19	Engineering Committee	CIP, Well levels, TTHM,	\$ 90.00	
Director Claessens	04/09/19	Board Meeting		\$ 90.00	
	04/12/19	Emp Relations Committee	MOU negotiations	\$ 90.00	
	04/23/19	Board Meeting		\$ 90.00	
Director Erickson	04/09/19	Board Meeting		\$ 90.00	
	04/23/19	Board Meeting		\$ 90.00	
	04/26/19	Engineering Committee	CIP, Well levels, TTHM,	\$ 90.00	
Director Putnam	04/04/19	Finance Committee	FY 2019/20 budgets & rates	\$ 90.00	
	04/09/19	Board Meeting		\$ 90.00	
	04/23/19	Board Meeting		\$ 90.00	
Director Tejada	04/04/19	Finance Committee	FY 2019/20 budgets & rates	\$ 90.00	
	04/09/19	Board Meeting		\$ 90.00	
	04/23/19	Board Meeting		\$ 90.00	