

**October 2022 ETT List**

Note: Column titled "Est. New ETT Score" is the estimated new score based on the violations that have Returned to Compliance (RTCd) during the Quarter. Please note that this score will likely change on the next quarter's list due to further violations being generated. Comments submitted by Drinking Water Program staff on November 7, 2022.

Staff	RMW	Est. New ETT Score	System Information	10 Point				5 Point				1 Point												General Comments	How to Return to Compliance	Known Hardware Problems				
				RTCd	SW	GWR	Nitrate	RTCd	SW	GWR	Nitrate	Arsenic	DBP	LCR	Rads	RTCd	SW	GWR	Arsenic	DBP	LCR	IOC	VOC				SOC	Rads	CCR	PN
ZELLMER	DEC	30	AKHIOK / AK2250037 (90 / C)																									Last annual Nitrate sample, annual TTHM/HAA5, and annual VOC was 2018. Last cyclic Arsenic sample was 2009. Last cyclic IOCs were 2010.	Collect an annual Nitrate sample. Collect a cyclic Arsenic sample. Collect annual TTHM/HAA5 samples (DBPs). Collect cyclic IOCs. Collect an annual VOC sample.	NA
ZELLMER	YKHC	96	ALAKANUK WATER SYSTEM / AK2270362 (570 / C)					1																				Last sampled for VOCs and DBPs in 2015. Last compliant paired TOC/Alk samples were 2016. Incomplete E. coli (LT2) sampling in 2021. Overdue corrective actions from 2021 Level 1 assessment. System fails to comply with monthly operator reports.	Sample for VOCs, DBPs, and E. coli (LT2). Collect monthly TOC and alkalinity samples. Submit CCR certification page for current CCR. Address Level 1 Assessment corrective actions. Submit adequate monthly operator reports timely.	N/A
MURRAY	No RMW	13	ALASKA WEST KANEKTOK RIVER CAMP / AK2272003 (44 / NC)	1																								PWS had E.coli MCL violation in July 2022, triggering a Level 2 Assessment. Satisfactory repeat samples were collected but there is no routine sample for July. Placed on BWN. System is shut down for the winter. Corrective actions cannot be completed until the system reopens in 2023. BWN still in effect when system opens.	Sample routine total coliform when open in 2023, address Sanitary Survey corrective actions prior to opening.	Some of the filters in use may not be NSF-certified.
SHARP	TCC	11	ALLAKAKET PUBLIC WATER SYSTEM / AK2300816 (135 / C)																									PWS did not submit 2020-2022 SOC waiver and has not collected quarterly samples. System did not collect 2021 Nitrate sample, adequate 2021 LCR samples, or 2021 DBP sample.	Begin submitting all routine samples. They must submit SOC waiver, collect 2022 nitrate, collect a complete set of 10 LCR samples before the end of 2022, and collect a DBP sample in 2023.	No known hardware issues related to violations
BJORKMAN	No RMW	16	ALPINE INN / AK2244808 (30 / NC)					2																				PWS did not submit the SSUP or Cert this year. Will remind them again next spring to get that in and close out the violations.	Submit 2023 SSUP and certification form.	
MURRAY	No RMW	12	BETHEL LONGHOUSE HOTEL / AK2270401 (90 / NC)							1	1																	System did not sample for nitrate in 2021. Corrective actions from 2016 sanitary survey are overdue.	Sample for nitrate ASAP. Address Sanitary Survey corrective actions.	N/A
BJORKMAN	No RMW	12	CAMP K ON KENAI LAKE CAMP FIRE ALASKA / AK2241567 (120 / NC)					2																				System did not submit the SSUP or Cert this year. Will remind them again next spring to get that in and close out the violations.	Submit 2023 SSUP and certification form.	
SHARP	TCC	33	CHALKYITSIK VILLAGE WATER / AK2300183 (76 / C)																									Began exceeding DBP LRAA MCL 4th quarter 2020 and continues to exceed. Current operator has addressed many previous outstanding monitoring violations, with the exception of lead and copper sampling. Operator working to increase treatment efficiency as shown through the two most recent quarterly DBP samples which were below the MCL for both TTHM & HAA5.	System needs to continue optimizing treatment within their system, including possible GAC media change out to help reduce DBP formation, and collect a complete set of lead and copper samples.	The 2013 approval for the WTP upgrades required monitoring to determine optimal GAC filter media change-out frequency. To date guidelines for adequate change out frequency of GAC media have not been fully documented. Adequate change out frequency will reduce chances of DBP exceedance.
NAKANISHI	BBAHC	12	CHIGNIK LAKE WATER SYSTEM / AK2261096 (200 / C)							1	1																	PWS last monitored for overdue nitrate in 2020. The outstanding corrective action due on 5/1/2020 for the booster station that was constructed and operated without ADEC engineering approval remains unresolved.	Monitor for nitrate and address the outstanding corrective action.	n/a
ZELLMER	YKHC	11	CITY OF HOOPER BAY / AK2270312 (1200 / C)							1																		PWS has unresolved sanitary survey deficiencies. Last annual TTHM/HAA5 samples were 10/29/2020.	Correct all unresolved sanitary survey deficiencies. Collect annual TTHM/HAA5 samples per approved sampling plan.	NA
ZELLMER	BBAHC	27	CLARKS POINT WATER SYSTEM / AK2260202 (128 / C)								4																	Last nitrate and lead/copper samples were collected 2017. Last periodic Arsenic sample was 2012. Last cyclic IOCs were 2011. Last Periodic VOCs were 2014.	Collect an annual Nitrate sample. Collect a periodic Arsenic sample. Collect cyclic IOC samples. Collect a periodic VOC sample. Collect 5 lead and copper samples.	NA

Staff	RMW	Est. New ETT Score	System Information	10 Point				5 Point					1 Point										General Comments	How to Return to Compliance	Known Hardware Problems					
				RTCR	SW	GWR	Nitrate	RTCR	SW	Nitrate	Arsenic	DBP	LCR	Rads	RTCR	SW	GWR	Arsenic	DBP	LCR	IOC	VOC				SOC	Rads	CCR	PN	
ZELLMER	YKHC	20	CROOKED CREEK WATERING POINT / AK2280302 (147 / C)																									System has unresolved deficiencies from 2018 sanitary survey. Last nitrate sample was collected 2020. Last TTHM/HAA5 samples were 2016. PWS is on a 6 month Lead & Copper monitoring schedule, and last samples were collected 10/15/2020. Lead & Copper samples are needed for the 1st half 2023 monitoring period.	Correct the 4 sanitary survey deficiencies. Collect an annual nitrate sample. Collect TTHM/HAA5 samples during 2022. Collect 5 Lead & Copper samples 1st half 2023 per approved plan.	NA
LATIMER	No RMW	12	DIAMOND-M RV PARK / AK2249701 (38 / NC)																									No seasonal startup forms 2021 or 2022.	At start of 2023 season complete SSUP form prior to serving water to the public. SSUP Certification must be completed within 10 days of serving water to the public.	None
SHARP	NSHC	68	DIOMEDE JOINT UTILITIES / AK2340141 (184 / C)																									PWS exceeds RAA MCL for Arsenic and Nitrate (January 2022 sample at 10.3 mg/L). PWS in compliance with public notice posting for MCL exceedances. Due to location, system does not have reliable access to mail, phone, or internet service. Current operator has been consistently submitting completed MORs and TCR samples.	System needs to install treatment to address historic Nitrate and Arsenic MCLs.	ANTHC is planning to develop and install treatment plant upgrades to meet SWTR (Direct Filtration), Nitrate & Arsenic MCLs (GAC and ion exchange), and corrosion control (calcite contactor). A pilot study was conducted in 2021 to support WTP design. Request for construction approval was expected last month, but not yet received. The WST is reported to have some internal corrosion and sediment build-up that may be contributing to water quality issues. The tank was to be cleaned in summer 2021, but it was not cleaned as planned, only minor repairs were conducted.
NAKANISHI	No RMW	15	FOREST PARK TC / AK2210794 (175 / C)																									Sanitary Survey deficiencies (GWR) are from the 2016 and 2019 surveys.	Address sanitary survey deficiencies. Communicate with DEC engineers regarding NOV.	Modifications to distribution system are temporary.
SHARP	TCC	61	GALENA WTP1 - CITY / AK2360272 (490 / C)																									PWS currently exceeding the MCL for TTHM and HAA5 since 4th quarter 2019. Exceeded Copper AL in 2018 and then had a single set of samples that were below the AL in the last half of 2019. Once COVID began, the system has not been allowed to sample in homes and continues to have issues with the community allowing access for sampling.	Optimize or upgrade treatment system to limit DBP formation and increase TOC removal. System needs to submit two consecutive six-month sets of lead/copper samples that are below the AL.	Galena will be replacing their aging water treatment plant (WTP) with a new WTP to help with DBP precursor reduction. Construction Approval request received in July 2022 and comments have been provided to the engineer so that they can start procuring equipment. ANTHC intends to start construction in May of 2023. Submitted an interim upgrade project to install GAC filters from the larger WTP project ahead of schedule and also change the coagulant to help reduce DBP formation. DEC granted interim approval to operate the interim upgrades on 3/30/2022.
LATIMER	No RMW	19	GEORGE INLET CANNERY / AK2121501 (129 / NC)																									Received confirmation that PWS was active in 2022 (was inactive 2020-2021 due to COVID-19 and lack of cruise ships). SSUP form and certification were not completed for 2022. Provided Monthly Operator Report template, but no MORs were received until season end.	If no nitrate results received by end of 2022, collect nitrate and submit a 2023 seasonal startup form at start of 2023 season.	None
ZELLMER	YKHC	130	GRAYLING WATER SYSTEM / AK2280066 (195 / C)																									PWS struggles to consistently meet SW turbidity monitoring requirements. Last sampled for E. coli (LT2) in 2018, DBPs in 2020, Lead/Copper in 2019. Last DS Cl residual was reported with 10/26/21 TC sample.	Submit a completed MOR that meets SWTR requirements. Sample for E. coli (LT2), DBPs, and Lead/Copper. Provide a Chlorine residual collected at the same time and place as every total coliform sample.	System on long-term BWN due to inadequate treatment. PWS does not have a suitable tap available to measure CFE turbidity.
BJORKMAN	DEC	62	HYDABURG / AK2120224 (415 / C)																									Overdue for Nitrate and Lead & Copper samples. Communication from RMW on October 31 indicates VOC and nitrate samples were put on a plane to the lab. The most recent DBP levels are lower than with the previous source. If they stay consistent they may have a LRAA below the MCL next quarter.	System needs to submit a completed operator report and collect the Pb/Cu and nitrate samples. Collect a set of DBP samples that allow for the LRAA for to be calculated below the MCL.	None
BJORKMAN	DEC	84	KAKE MUNICIPAL WATER / AK2130083 (415 / C)																									HAA5 is still exceeding the LRAA at 80 mg/L. System modifications do not appear to be lowering the DBP levels as quickly as hoped.	Collect a set of DBP samples that allow for the LRAA for HAA5 to be calculated below the MCL.	
BJORKMAN	No RMW	17	KB SUB. WATER SERVICE ASSOC. / AK2243658 (170 / C)																									System still exceeding Arsenic MCL. System is working with the State to pursue WINN grant funding to install a treatment system.	Install treatment or find another long term solution to lower arsenic levels.	Install treatment or find another long term solution to lower arsenic levels.

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BJORKMAN	DEC	84	KLAWOCK / AK2120169 (904 / C)																							Exceeding LRAA for HAA5. System is looking in to system modifications/upgrades and have projects in process with ANTHC. This includes the installation of a PAX mixer to be installed in 2022.	Collect a set of DBP samples that allow for the LRAA for HAA5 to be calculated below the MCL.	System is looking in to system modifications/upgrades and have projects in process with ANTHC
ZELLMER	YKHC	12	KOTLIK WATER SYSTEM / AK2272004 (617 / C)																							PWS often has TOC results with the treated water TOC being higher than the raw water TOC. PWS has been contacted previously regarding concerns that their TOC samples are getting mixed-up.	Meet monthly TOC removal requirements.	NA
ELMORE	No RMW	93	KOTZEBUE MUN. WATER SYSTEM / AK2340060 (3234 / C)																							System is exceeding the MCL for TTHM and HAA5; they have exceeded the TTHM MCL since 2019 and the HAA5 MCL since 2015 with the exception of January-March of 2021 where the LRAA was 0.060 mg/L.	System must upgrade their current treatment, which is expected to be completed by the end of November 2022.	New Ultrafiltration-Nanofiltration membrane treatment system approved for construction April 30, 2020 is nearing completion. Currently undergoing final performance testing and Interim Approval to Operate request is expected this month. The new WTP will help reduce DBPs.
ZELLMER	No RMW	19	KSD ANIAK SECONDARY SCHOOL / AK2271732 (80 / NTNC)										1	1												PWS has unresolved sanitary survey deficiencies from their last survey. Last nitrate sample was 2020. PWS has not taken all required corrosion control steps and has not verified performance of required public notification for lead & copper exceedances.	Correct sanitary survey deficiencies. Collect an annual nitrate sample. Perform required corrosion control steps. Verify public notification requirements have been satisfied.	NA
ZELLMER	YKHC	47	KWETHLUK NEW PIPED WATER SYSTEM / AK2272017 (760 / C)		2																					PWS consistently does not report the required # of EP CI residuals, and periodically has issues with EP CI residuals falling below 0.2 mg/L. PWS not meeting DBP TOC % removal requirements. It appears that TOC samples are potentially getting mixed-up, which would cause their treated TOC to be higher than their raw TOC, and then their RAA TOC removal becomes skewed. Last annual Lead and Copper samples were 2020.	Report the required # of EP CI residuals each month, and ensure that the EP CI residual stays above 0.2 mg/L. Improve DBP Precursor sample management and consistently meet DBP TOC removal requirements. Collect annual Lead and Copper samples in 2022.	N/A
MURRAY	YKHC	54	KWIGILLINGOK WASHETERIA / AK2271700 (400 / C)																							System has not completed LT2 sampling. Has not monitored for TTHM since 2014 (annual monitoring schedule). Did not monitor for Lead and Copper in 2020 (3 year schedule).	Collect LT2 samples biweekly when making water. Sample TTHM in February 2023 and HAA5 in September 2023. Sample for Lead & Copper in 2022.	System is on long term BWN, experiences difficulty meeting community demand.
MURRAY	No RMW	30	LKSD MEKORYUK NUNIVAARMUUT SC / AK2270972 (67 / NTNC)									1														System has open corrective actions from a sanitary survey. Exceeds TTHM MCL since 3rd quarter 2021. Has not sampled distribution chlorine residual since 3rd quarter 2021.	Address the open corrective actions. Sample distribution system chlorine residual with the next total coliform sample.	N/A
MURRAY	No RMW	40	LKSD NEWTOK AYAPRUN SCHOOL / AK2272007 (175 / NTNC)									1														Exceeds TTHM MCL since 1st quarter 2021. System has an open corrective action from a sanitary survey, but the issue cannot be resolved due to rapid land subsidence.	Reduce TTHM RAA.	N/A
MURRAY	No RMW	24	LKSD NIGHTMUTE HS & ELEM / AK2271261 (259 / NTNC)		1																					PWS does not submit monthly operator reports that meets entry point chlorine residual requirements.	Submit monthly operator reports with daily entry point chlorine residual readings.	This GU system is on a BWN since December 2021 due to inadequate chlorine treatment and turbidity monitoring.
MURRAY	BBAHC	14	MANOKOTAK HEIGHTS W/S / AK2262246 (215 / C)																							Overdue for Inorganic, VOC, and Lead & Copper sampling. PWS has not submitted 2020-2022 SOC Monitoring Waiver renewal application nor have they sampled SOCs quarterly. PWS is on corrosion control treatment process since 2013 due to copper AL exceedance. Overdue lead and copper were put on six-month monitoring effective in 2022. Need to complete lead and copper sampling plan. LOE issued 5/27/2022 for overdue monitoring.	In 2022, monitor for VOCs, lead and copper, Inorganic, submit 2020-22 SOC monitoring waiver renewal application to DEC.	n/a
MURRAY	BBAHC	11	MANOKOTAK WATER SYSTEM / AK2260090 (293 / C)									1														Has unresolved significant sanitary survey deficiencies from the 2019 survey inspection: No Well #1 vent screen and inadequate sanitary seal due to hole. Overdue monitoring with last Arsenic in 2013, inorganics in 2009, LCR and VOCs in 2013.	Address outstanding well seal and vent screen deficiencies. Monitor for overdue arsenic, lead and copper, inorganics, and VOCs.	n/a



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				RTCR	SW	GWR	Nitrate	RTCR	SW	Nitrate	Arsenic	DBP	LCR	Rads	RTCR	SW	GWR	Arsenic	DBP	LCR	IOC	VOC				SOC	Rads	CCR	PN
MURRAY	No RMW	27	MERTARVIK WATER SYSTEM / AK2272756 (170 / C)																								PWS did not monitor for nitrate in 2021. Has not monitored for lead and copper since startup in 2020 (on 6 month schedule). Has not monitored for VOC since 2020 (quarterly schedule). Has not monitored for RADs since startup (quarterly schedule).	Sample for nitrate ASAP. Sample for lead and copper in 2022. Sample for VOC and RADs quarterly.	N/A
BJORKMAN	DEC	27	NANWALEK / AK2240464 (281 / C)																								PWS has said the samples were submitted but results still have not been reported.	Collect TC with chlorine residual, Nitrate, VOC and complete CCR and certification.	
MURRAY	YKHC	31	NEWTOK WATER SYSTEM / AK2271431 (435 / C)																								PWS exceeds TTHM & HAA5 MCL since 3rd quarter 2021 and is overdue on DBPs samples. Did not sample for lead and copper in 2021 (3 year schedule). Did not submit CCR Certification for 2019 or 2020 CCRs. Has not yet applied for 2020-2022 SOC waiver. Has overdue Public Notice.	Reduce TTHM and HAA5 RAAs. Sample for TTHM and HAA5 in December 2022. Sample for lead and copper in 2022. Submit overdue CCR Certifications. Apply for SOC waiver. Issue overdue Public Notice.	N/A
MURRAY	YKHC	18	NIGHTMUTE NEW WATERING POINT / AK2271721 (243 / C)																								No lead and copper samples collected since 2007 (annual schedule).	Sample for lead and copper ASAP.	N/A
MURRAY	No RMW	20	NINA NICHOLSON SUBDIVISION / AK2263010 (31 / C)																								PWS fails to submit their CCR and certification since 2019 despite reminders. Last monitored annual nitrate in 2020, for cyclic arsenic in 2009, for periodic lead and copper in 2016, and periodic VOCs in 2015.	In 2023, submit CCR report and certification, monitor for nitrate, arsenic, lead and copper, and VOCs.	n/a
MURRAY	DEC	18	NONDALTON / AK2260260 (205 / C)																								Last monitored Nitrate, DBPs, and VOCs in 2020, and Lead & Copper in 2015. Only MOR received in 2022 was in July with inadequate chlorine and turbidity data. System did not submit 2020-2022 SOC Monitoring Waiver nor collected quarterly SOCs. CCR report & certification for 2021 operations was not submitted.	Submit adequate SW monthly operator reports. Monitor for nitrate, VOCs, Lead and copper, Radionuclides & GA, and submit CCR report and certification.	n/a
ZELLMER	YKHC	36	NUNAM IQUA WATER SYSTEM / AK2270207 (213 / C)																								Last annual Nitrate sample was during 2018. Quarterly DBP TT violations being accrued due to possible raw/treated TOC sample mix-up. PWS fails to collect all monthly TOC/Alkalinity samples. Lead and Copper samples due every 3 years, and last samples were in 2017. Last annual VOC sample was in 2019.	Collect an annual Nitrate sample. Collect all monthly TOC/Alkalinity samples. Complete LT2 raw water monitoring per approved sampling plan. Collect 5 Lead & Copper samples per an approved sampling plan. Collect an annual VOC sample.	PWS's Inline turbidimeter is not functioning. Attempts to bring the turbidimeter online with RMW assistance have been unsuccessful. System must collect grab samples and is unable to comply with continuous monitoring requirements. A request has been made to the lead RMW to assist with their turbidimeter issues.
MURRAY	DEC	16	OLD HARBOR / AK2250061 (216 / C)																								Last sampled annual Nitrate, DBPs (TTHM&HAA5), and VOCs in 2020. Lead & Copper was monitored in May 2022, but was incomplete (10 samples required, but only 5 were collected). PWS is on PCEX since 2014 for Copper AL exceedance and will need to continue to monitor every 6 months for lead and copper until they address their copper issues.	In 2022, monitor for annual Nitrate, DBPs, and VOCs. Monitor Lead & Copper every six-months (10 samples/set) until able to actively address their corrosion issues.	n/a
MURRAY	YKHC	20	OLD KASIGLUK - AKIUK / AK2272752 (240 / C)																								PWS has open corrective actions from sanitary survey and missed deadline to consult with State. Has not sampled for total coliform or distribution system chlorine residual since September 2021.	Sample for total coliform and distribution system chlorine residual ASAP. Consult with the State regarding deficiencies, develop corrective action plan.	N/A
MURRAY	YKHC	74	OSCARVILLE WATERING POINT / AK2270061 (75 / C)																								PWS is not submitting required Monthly Operator Reports. Last sampled for Nitrate in 2005, Arsenic in 2002, Lead & Copper in 2004, VOC and RADs in 2007, Last Total Coliform January 2022, and overdue on IOCs. PWS has not completed LT2 monitoring. PWS did not apply for an 2020-2022 SOC Monitoring Waiver. Overdue for CCR and CCR Certifications. and has not corrected significant deficiencies from the 2021 Sanitary Survey. YKHC recently reported that there is no operator and consequently the system will be shut down for the winter.	Submit monthly operator reports. Monitor for regulated contaminants. Submit overdue CCR and CCR Certification Forms. Address significant deficiencies.	System is on a long term BWN due to inadequate treatment.

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BJORKMAN	No RMW	17	PIT BAR AND LIQUOR STORE / AK2240781 (250 / NC)																								System needs to submit complete Monthly Operator Report. Must also report distribution chlorine residual measured at the same time and place as the monthly total coliform sample.	Submit a complete operator report. Submit same time and place distribution chlorine residual reading with TC sample (or MOR).	
MURRAY	YKHC	53	PLATINUM CITY WATER SYSTEM / AK2271059 (51 / C)							1																	Classified as GU but does not filter or treat, and has been on BWN since 2014. PWS has not sampled for annual VOCs since 2012, Lead & Copper since 2005 (on 6 month schedule), missed monitoring for IOCs during 2011-2019 cycle, missed RAD sampling during 2008-2016 cycle, and did not apply for 2017-2019 SOC Monitoring Waiver. Overdue for CCRs and Certifications. Still needs to submit RTCR Sample Siting Plan.	Install filtration/treatment. Monitor for IOC, VOC, Rads, Lead and Copper in 2022. Apply for 2020-2022 SOC Initial Waiver. Submit overdue CCRs and CCR Certification forms. Submit RTCR sample siting plan and monitor for total coliform monthly according to plan.	No WTP to meet GU/SWTR requirements. On BWN.
MURRAY	No RMW	11	RED DOG INN / AK2260749 (145 / NC)																								Last sampled annual Nitrate in 2019. Last sampled total coliform on 6/1/22. Last communication with PWS/owner in November 2022 indicates he collected nitrate and TC.	Monitor for overdue annual nitrate and continue monthly coliform monitoring.	n/a
MURRAY	DEC	29	SAINT GEORGE WATER SYSTEM / AK2260074 (65 / C)																								Reportedly fails to collect routine samples due to lack of sufficient funding and no trained water operator. Last monitored for nitrate in 2017, for RTCR on 5/5/2022, for Lead & Copper in 2006, and for VOCs in 2012.	Monitor for overdue nitrate, monthly coliform, Lead and copper, and VOCs.	n/a
MURRAY	YKHC	57	SCAMMON BAY WATER SYSTEM / AK2270184 (637 / C)		1																						Has not met Entry Point Chlorine reporting requirements on MOR since 2018. Has not sampled for Lead & Copper since 2015. Has not sampled for quarterly DBPs since 3rd Quarter 2021. Did not submit PN Certification for Entry Point Chlorine residual below 0.2 mg/L in April 2022.	Submit Monthly Operator Reports with required number of daily Entry Point Chlorine Residual readings. Sample for Lead & Copper in 2022. Submit overdue PN Certification.	System is prone to freezing and experiences high water demand during the winter.
SHARP	NSHC	37	SHISHMAREF WATER SYSTEM / AK2340484 (572 / C)																								TTHM MCL violations are valid. System has historically had TTHM issues due to being a fill and draw system with a short pumping window. GAC was installed to help reduce TTHM/HAA5. Has exceeded TTHM MCL LRAA since 4th quarter 2020. HAA5 levels are typically below the MCL.	System must change GAC media before it becomes exhausted to help reduce DBP levels.	The Final approval to operate request included recommendation for three GAC changes per year. Changing GAC before it becomes exhausted should reduce DBP levels.
HARRIS	DEC	89	TATITLEK WATER SYSTEM / AK2291130 (95 / C)																								Ongoing DBP exceedances since 2015. Turbidimeter broke on July 26, 2022 & system was placed on a BWN. DEC RMW planned to conduct visit in October 2022 to address turbidimeter & assist with installing lead faucet replacement. Faucet replacement was not conducted during RMW visit.	Install treatment to reduce DBP's. Repair Turbidimeter units.	Turbidimeter broken & offline since July 26, 2022
ZELLMER	YKHC	24	TUNTUTULIAK WASHETERIA AND WATERING PT / AK2271211 (350 / C)																								PWS has unresolved survey deficiencies. Last nitrate sample collected in 2020. Follow-up Lead & Copper corrosion control monitoring/steps have not been completed, PWS has one 6M sample below AL but has not collected second 6M set. Last annual arsenic sample was 8/18/2020. Last periodic VOC sample was collected in 2016.	Address the 3 outstanding sanitary survey deficiencies. Collect an annual nitrate sample. Complete required Lead & Copper corrosion control monitoring/steps and/or collect satisfactory 1st half 2023 Lead & Copper samples. Collect an annual arsenic sample. Collect a periodic VOC sample.	NA
SMELTER	NSHC	153	UNALAKLEET CITY WATER SUPPLY / AK2340387 (757 / C)		15																						Turbidity filter performance monitoring and TT violations remain valid. System has been out of compliance with turbidity TT since July 2021.	System has ongoing water quality issues. To return to compliance, system must begin operating system to meet SWTR requirements and submit turbidity data indicating the water system is able to meet the turbidity limits on a continuous basis.	PWS routinely exceeds the SWTR treatment technique requirements. In July 2020, DEC granted construction approval for WTP improvements that could help reduce high turbidity events. Interim approval to operate the project was just received and is being reviewed. A project to develop a groundwater source that would not require microbial treatment was granted construction approval 12/18/2021. Construction was delayed and is expected to start Summer 2023.

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SMELTER	TCC	15	VENETIE WATER SYSTEM / AK2300248 (181 / C)																										PWS is currently on a BWN. System does not have a consistent operator and is currently operating without an operator or administrator. System has not sampled for DBPs since Dec 2020, lead/copper samples since 2017, and operator reports have not been submitted since October 2021.	System must retain an operator and begin submitting monthly operator reports, collect LCR sample as soon as possible, and DBP samples in December 2022.	Project approved June 2020 to construct a new water treatment plant (WTP)/ washeteria building and move the existing water treatment system to the new building. SS deficiencies are scheduled to be addressed by the project. Construction has restarted and new WTP completion is expected in November of 2022. Engineer submitted plan for transitioning to operation during cold temperatures and it is under review.
MURRAY	No RMW	13	VFW KODIAK POST #7056 / AK2250493 (46 / NC)																										Has unresolved significant sanitary deficiencies since 2017 and fails to consistently submit monthly operator reports with adequate chlorine and turbidity data.	Provide corrective action plan with timelines for outstanding Sanitary Survey deficiencies and notify DEC of any corrective actions completed. For SW MORs, need to submit with adequate data consistently.	n/a
SHARP	NSHC	36	WALES WATER SYSTEM / AK2340191 (173 / C)																										System exceeding the RAA MCL for Uranium. The system is overdue for quarterly Uranium monitoring. The Uranium MLC is expected to be addressed by the current surface water infiltration gallery project.	System needs to install treatment to address the Uranium RAA MCL and collect 4th quarter 2022 Uranium sample to address monitoring violations.	Source wells have elevated fluoride and uranium. Construction approval (CA) issued in Dec. 2018 for new surface water source (infiltration gallery) and a cartridge filtration WTP. On 12/8/2020 granted extension of CA for two years since project construction was delayed due to COVID. Construction is expected to be nearly complete in December 2022 but will not go into operation until spring/summer 2023.

## DW Program Staff Contact Information

**Mat-Su** = Office located in Wasilla, AK. Covers the Mat-Su area.

**Staff:** Amy Hill (Program Coordinator) 376-1861, Tee Little (EPS) 376-1860, Vacant (EPS) 376-1824, Charity Bare (Engineering Supervisor) 262-3400

**Northern** = Office located in Fairbanks, AK. Covers the Northern Alaska PWSs.

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**Southcentral / ANC**= Office located in Anchorage, AK. Covers Anchorage bowl, Bethel/YK Delta, Dillingham area, Aleutian Chain, Pribilof and Kodiak Island area PWSs.

**Staff:** Heather Murray (Program Coordinator) 269-7619, Elizabeth Nakanishi (EPS) 269-7517, Kristine Crippen (EPS) 269-7521, Doug Zellmer (EPS) 269-3068, Vacant (EPS) 269-7653, Vacant (Engineering Supervisor) 269-7631.

**Kenai / Southeast** = Office located in Soldotna, AK. Covers the Kenai Peninsula and Southeast area.

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**Link to DW Program Directory**

(contact information)

<http://dec.alaska.gov/eh/dw/contact/>

## Resource Links

### Best Practices (BP) Score

The Best Practices (BP) Score is criteria for assessing operations and maintenance capacity of rural water and wastewater utilities. Used for determining eligibility and prioritization for community sanitation projects.

*STATEMENT FROM BP SCORE WEBSITE :* The most effective way to increase a community's chance of receiving project funding is by improving their Best Practice score.

**Link to BP Webpage**

<https://dec.alaska.gov/water/technical-assistance-and-financing/best-practices/>

### Alaska Community Database Online

The Community Database Online is a portal for information resources about Alaskan Communities and Places of Interest in an interactive format.

**Link to Database Online Webpage**

<https://dcra-cdo-dcced.opendata.arcgis.com/>

### Alaska Community Photo Library

The Community Photo Library offers a glimpse into Alaska's communities and lifestyle by providing images of places, people, cultural events, public facilities, landscapes, and other dimensions of community life.

**Link to Photo Library Webpage**

<https://www.commerce.alaska.gov/dcra/dcrepoext/Pages/PhotoLibrary.aspx>

### Remote Maintenance Worker (RMW) Service Area Abbreviations

BBAHC= Bristol Bay area Health Corporation

Maniilaq= Maniilaq Health Corporation

TCC= Tanana Chiefs Conference

DEC= AK Department of Environmental Conservation

NSHC= Norton Sound Health Corporation

YKHC= Yukon Kuskokwim Health Corporation

No-RMW= Not served by an RMW Program

**Link to RMW Directory**

<https://dec.alaska.gov/media/23045/rmw-directory.pdf>

## Definitions

AL= Action Level

HAA5= Haloacetic Acids (Stage 1 Rule)

Rads= Radionuclides Rule

ANTHC= Alaska Native Tribal Health Consortium

IFE= Individual Filter Effluent

RMW= Remote Maintenance Worker

BACTI or t-Coli = Total Coliform Sample

IOC= Inorganic Chemicals

RTC= Return to compliance (fall off ETT list)

BWN= Boil Water Notice

LCR= Lead/Copper Rule

RTCR= Revised Total Coliform Rule

CCR= Consumer Confidence Report

LRAA= Locational Running Annual Average (Stage 2)

SOC= Synthetic Organic Chemicals

CFE= Combined Filter Effluent

LT1= Long Term 1 Enhanced Surface Water Treatment Rule

Surface Water (SW)= Surface Water violations Surface Water Treatment Rules (SWTR, LT1, and LT2)

DPB= Disinfection by Products

LT2= Long Term 2 Enhanced Surface Water Treatment Rule

TC= Total Coliform

DSRD= Distribution Chlorine Residual

M/R= Monitoring and Reporting (type of violation)

TOC= Total Organic Carbon

EHO= Environmental Health Officer

MCL= Maximum Contaminant Level (type of violation)

TCR= Total Coliform Rule (Also called Bacti)

EP= Entry Point

MOR= Monthly operator report

TT= Treatment Technique (violation)

EPA= Environmental Protection Agency

NOV= Notice of Violation

TTHM= Total Trihalomethanes (Stage 1 Rule)

EPRD= Entry Point Residual Distribution

OCC= Optimal corrosion control (Pb/Cu Rule)

VOC= Volatile Organic Chemicals

ETT= Enforcement Targeting Tool

PER= Preliminary Engineering Report

FANLs= Facility Analyte Level (refers to SW/Stage 1 monitoring requirements)

PN= Public Notice

VSW= Village Safe Water

GAC= Granular Activated Carbon

PWS= Public Water System

WTP= Water Treatment Plant

GWUDI= Groundwater under the direct influence of surface water

RAA= Running Annual Average