

## STAGE 2 TOTAL TRIHALOMETHANES (TTHM) AND HALOACETIC ACIDS FIVE (HAA5) REPORTING FORMAT

Subpart H systems serving 500 or more persons and ground water systems serving 10,000 or more persons shall complete applicable pages of this format and submit them to the Department within 10 days after the end of any quarter in which TTHM/HAA5 monitoring is required. Systems on routine or reduced quarterly TTHM/HAA5 monitoring shall complete pages 1, 2, and 3 of this format. (Add additional rows to the tables on pages 2 and 3 as necessary.) Systems on reduced annual TTHM/HAA5 monitoring shall complete pages 1 and 4 of this format. Additionally, <u>Subpart H systems</u> seeking to qualify for, or remain on, reduced quarterly or annual TTHM/HAA5 monitoring shall complete page 5 of this format. (Add additional rows to the table on page 5 as necessary.)

D/DBPR = Disinfectant and Disinfection Byproducts Rule; LRAA = locational running annual average; MCL = maximum contaminant level; OE = operational evaluation; RAA = running annual average; TOC = total organic carbon.

## **QUARTERLY MONITORING PERIOD\*:** July – September 2016

\*Indicate the quarterly monitoring period by months and year (e.g., April-June 2012).

SYSTEM INFORMATION								
PWS ID Number: 3590069								
PWS Name: Bear Lake								
Source Water Type and Population Size Category:								
<ul> <li>☐ Ground Water:</li> <li>☐ 10,000 - 99,999</li> <li>☐ 100,000 - 499,999</li> <li>☐ 2 500,000</li> </ul>	☐ Subpart H: ☐ 500 – 3,300 ☐ 3,301 – 9,999 ☐ 10,000 – 49,999 ☐ 50,000 – 249,999	<ul> <li>250,000 - 999,999</li> <li>1,000,000 - 4,999,999</li> <li>≥ 5,000,000</li> </ul>						
Monitoring Mode*: Routine Monitoring Reduced Monitoring								
Monitoring Frequency*:  Quarterly  Annually								
Total Number Of Distribution System Monitoring Locations*: 2								
Contact Person: Scott R. Gosnell								
Phone Number: 407-682-5651								
E-Mail Address (optional):sgosnell@uiwater.com								
Fax Number (optional): 407-682-5713								

TTHM COMPLIANCE SUMMARY FOR SYSTEMS MONITORING QUARTERLY									
Monitoring Location*	No. of TTHM Samples Taken	Date Each TTHM Sample	iis Quarter TTHM Sample Result (μg/L)	TTHM Locational Quarterly Average (µg/L) A	Previous Quarter TTHM Locational Quarterly Average (µg/L) B		3 Quarters Ago TTHM Locational Quarterly Average (µg/L) D	TTHM LRAA** (µg/L) (A+B+C+D)/4	TTHM OE Value*** (µg/L) (2A+B+C)/4
3701 Anna Dr.	1	8/10/16	81.3	81.3	57.1	39.5	41.0	54.7	64.8
1207 Alton Dr.	1	8/10/16	73.5	73.5	66.0	43.9	45.8	57.3	64.2
Does the TTHM LRAA at any monitoring location violate the TTHM MCL of 80 µg/L? (YES/NO)								No	
	Does the TTHM OE value at any monitoring location exceed 80 µg/L? (YES/NO)**** If you are on reduced quarterly monitoring, does the TTHM LRAA exceed 40 µg/L at any monitoring location? (YES/NO/NA)*****							S/NO/NA)****	No N/A

\* Location names or numbers should correspond to those in your Stage 2 D/DBPR compliance monitoring plan required under 40 CFR 141.622.

Calculate and enter the LRAA beginning at the end of the fourth quarter of Stage 2 monitoring and at the end of each subsequent quarter. Also, if the LRAA calculated based on fewer than four \*\* quarters of data would cause the MCL to be exceeded regardless of the monitoring results of subsequent quarters, calculate and enter the LRAA (using zero for the results of subsequent quarters). Calculate the OE value beginning at the end of the third quarter of Stage 2 monitoring and at the end of each subsequent quarter. Enter the OE value if it exceeds 80 µg/L.

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\*\*\*\* If any TTHM OE value at any location exceeds 80 µg/L, conduct an OE and submit an OE report in accordance with 40 CFR 141.626.

\*\*\*\*\* If any TTHM LRAA at any location exceeds 40 µg/L, resume routine quarterly monitoring under 40 CFR 141.621.

HAA5 COMPLIANCE SUMMARY FOR SYSTEMS MONITORING QUARTERLY									
Monitoring Location*	No. of HAA5 Samples Taken	Th Date Each HAA5 Sample Taken (mo/da/yr)	iis Quarter HAA5 Sample Result (μg/L)	HAA5 Locational Quarterly Average (µg/L) A	Previous Quarter HAA5 Locational Quarterly Average (µg/L) B		3 Quarters Ago HAA5 Locational Quarterly Average (µg/L) D	HAA5 LRAA** (µg/L) (A+B+C+D)/4	HAA5 OE Value*** (µg/L) (2A+B+C)/4
3701 Anna Dr.	1	8/10/16	46.3	46.3	23.7	28.0	17.7	28.9	36.1
1207 Alton Dr.	1	8/10/16	46.9	46.9	40.8	23.5	14.7	31.5	39.5
Does the HAA5 LRAA at any monitoring location violate the HAA5 MCL of 60 µg/L? (YES/NO)								A	No
Does the HAA5 OE value at any monitoring location exceed 60 µg/L? (YES/NO)**** If you are on reduced quarterly monitoring, does the HAA5 LRAA exceed 30 µg/L at any monitoring location? (YES/NO/NA)*****							S/NO/NA)*****	No N/A	

\* Location names or numbers should correspond to those in your Stage 2 D/DBPR compliance monitoring plan required under 40 CFR 141.622.

Calculate and enter the LRAA beginning at the end of the fourth quarter of Stage 2 monitoring and at the end of each subsequent quarter. Also, if the LRAA calculated based on fewer than four \*\* quarters of data would cause the MCL to be exceeded regardless of the monitoring results of subsequent quarters, calculate and enter the LRAA (using zero for the results of subsequent quarters). Calculate the OE value beginning at the end of the third quarter of Stage 2 monitoring and at the end of each subsequent quarter. Enter the OE value if it exceeds 60 µg/L.

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\*\*\*\* If any HAA5 OE value at any location exceeds 60 µg/L, you must conduct an OE and submit an OE report in accordance with 40 CFR 141.626.

\*\*\*\*\* If any HAA5 LRAA at any location exceeds 30 µg/L, you must resume routine quarterly monitoring under 40 CFR 141.621.

## **QUARTERLY MONITORING PERIOD:**

TTHM/HAA5 COMPLIANCE SUMMARY FOR SYSTEMS MONITORING ANNUALLY									
Monitoring Location*	ТТНМ		HAA5						
Monitoring Escation	Date TTHM Sample Taken (mo/da/yr)	TTHM Result** (µg/L)	Date HAA5 Sample Taken (mo/da/yr)	HAA5 Result** (µg/L)					
	Does any sample result at any location 60 µg/L for TTHM? (YES/NO)***	exceed	Does any sample result at any location 45 µg/L for HAA5? (YES/NO)***	n exceed					

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Location names or numbers should correspond to those in your Stage 2 D/DBPR compliance monitoring plan required under 40 CFR 141.622. If no TTHM sample exceeds the TTHM MCL of 80 µg/L and no HAA5 sample exceeds the HAA5 MCL of 60 µg/L, the sample result for each monitoring location is considered the LRAA for that \*\* monitoring location.

If any sample result at any location exceeds either 60 µg/L for TTHM or 45 µg/L for HAA5, you must resume routine quarterly monitoring under 40 CFR 141.621. \*\*\*

SOURCE WATER TOC COMPLIANCE SUMMARY FOR SUBPART H SYSTEMS SEEKING TO QUALIFY FOR, OR REMAIN ON, REDUCED TTHM/HAA5 MONITORING*										
								2 Quarters Ago	3 Quarters Ago	
Treatment Plant**	Month	Samples Taken Each	Date Each Source Water TOC Sample Taken (mo/da/yr)	Source Water TOC Sample Result (mg/L)	Source Water TOC Monthly Average (mg/L)	Source Water TOC Quarterly Average of Monthly Averages (mg/L)	Source Water TOC Quarterly Average (mg/L)	Source Water TOC Quarterly Average (mg/L)	Source Water TOC Quarterly Average (mg/L)	(IIIg/L)
		Month				A	В	С	D	(A+B+C+D)/4
Does any source water TOC RAA at any listed treatment plant exceed 4.0 mg/L? (YES/NO)***										

\* Subpart H wholesale systems that treat surface water, including ground water determined by the Department to be under the direct influence of surface water, and that qualify for reduced TTHM/HAA5 monitoring based on the source water TOC RAAs at their treatment plants should provide their source water TOC compliance information to their consecutive systems. Subpart H consecutive systems should obtain source water TOC compliance information from their wholesale systems that treat surface water.

\*\* List each treatment plant treating surface water, including ground water determined by the Department to be under the direct influence of surface water, and delivering some or all of that treated surface water to the system completing and submitting this format.

\*\*\* If any source water TOC RAA at any listed treatment plant exceeds 4.0 mg/L, the system completing and submitting this format does not qualify for reduced TTHM/HAA5 monitoring (nor does any other system receiving some or all of its water from that plant).