



Stage 2 - Disinfection Byproducts Rule

ROUTINE or INCREASED

Compliance Monitoring Plan Template

This form is only for systems serving < 10,000, or for systems serving < 10,000 which do not buy water from a system serving ≥ 10,000 people.

A. PWS ID Number	PWS Name
AZ04 -	

B. Contact Person and Title	Phone Number	E-mail Address
Address		
Street		
City		
State		
Zip		

C. Source Type: (select one)	<input type="checkbox"/> Ground Water <i>(this system only has ground water sources of their own).</i>
	<input type="checkbox"/> Ground Water Purchased <i>(this system buys from a ground water system and may, or may not, have ground water sources of their own).</i>
	<input type="checkbox"/> Ground Water Under the Direct Influence of Surface Water (GUDI) <i>(this system has proven to be under the influence of surface water and must follow the surface water monitoring requirements).</i>
	<input type="checkbox"/> Surface Water <i>(this system has surface water of their own and may, or may not, also have ground water sources of their own).</i>
	<input type="checkbox"/> Surface Water Purchased <i>(this system buys from a surface water system and may, or may not, have ground water and/or surface water sources of their own).</i>

D. Enter the total population <u>currently</u> served by the system:	
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E. If wholesale, list system(s) you sell to: (Please specify PWS # and name)	F. If consecutive, list system(s) you buy from: (Please specify PWS # and name)

G. Stage 2 DBPR Routine Compliance Monitoring Frequency - 40 CFR § 141.621 (a)(2)		
Month of historic highest (Peak) DBP concentration: <hr/> (Required)	Select the frequency required by rule: <input type="checkbox"/> Annual - During peak historical month (1 monitoring period) <input type="checkbox"/> Quarterly - Every 90 days (4 monitoring periods)	The PWS will be on: <input type="checkbox"/> Routine Monitoring <input type="checkbox"/> Increased Monitoring

DWAR 30 (CMP Template Schedule 4)

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H. Is the Peak Historical Month the same as indicated by the historical data? Yes No
 If no, then justify how the new peak historical month was selected:

I. Number of Required Stage 2 DBPR Compliance Monitoring Sites - 40 CFR 141.605 (b)

Number of Monitoring Sites	Highest TTHM <input type="text"/>	Highest HAA5 <input type="text"/>	One site is both highest TTHM and HAA5 <input type="text"/>	Total Required <input type="text"/>
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J. Type of Sampling (select one) - 40 CFR § 141.621 (a)(2)

<input type="checkbox"/> Dual sample sets at all sites	<input type="checkbox"/> Individual samples at all sites	<input type="checkbox"/> Dual sample at 1 site
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K. List the individual historical **Stage 1 DBPR TTHM** Compliance Monitoring Results, for each year, for each site monitored. Use additional paper following the same format, if needed.

Site ID	Data Type	TTHM (mg/L)				LRAA
		(four quarters per year <u>or</u> one annual sample per line)				
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
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L. List the individual historical **Stage 1 DBPR HAA5 Compliance Monitoring Results**, for each year, for each site monitored. **Use additional paper following the same format, if needed.**

Site ID	Data Type	HAA5 (mg/L)				LRAA
		(four quarters per year or one annual sample per line)				
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					

M. If the system completed **Stage 2 IDSE Standard Monitoring**, enter the **TTHM Results** below.
If Standard Monitoring was NOT conducted, skip this section.

Site ID ¹	Data Type	TTHM (mg/L)				LRAA ²
		Use the appropriate number of columns as indicated by the frequency of sampling required: SW and GW systems < 500 sampled <u>two</u> locations <u>once during peak historical month</u> SW systems serving 500 - 3300 sampled <u>two</u> locations <u>quarterly</u> SW systems serving 3301- 9,999 sampled <u>four</u> locations <u>quarterly</u> GW systems serving 500 – 9,999 sampled <u>two</u> locations <u>quarterly</u>				
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					
	Sample Date					
	Sample Result					

¹ Verify that site IDs for IDSE standard monitoring sites match the site IDs in your Standard Monitoring Plan.
² LRAA = Locational Running Average



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N. If the system completed Stage 2 IDSE Standard Monitoring, enter the HAA5 Results below.
If Standard Monitoring was NOT conducted, skip this section.

Site ID ¹	Data Type	HAA5 (mg/L)	LRAA ²
		Use the appropriate number of columns as indicated by the frequency of sampling required: SW and GW systems < 500 sampled <u>two</u> locations <u>once during peak historical month</u> SW systems serving 500 - 3300 sampled <u>two</u> locations <u>quarterly</u> SW systems serving 3301- 9,999 sampled <u>four</u> locations <u>quarterly</u> GW systems serving 500 – 9,999 sampled <u>two</u> locations <u>quarterly</u>	
	Sample Date		
	Sample Result		
	Sample Date		
	Sample Result		
	Sample Date		
	Sample Result		
	Sample Date		
	Sample Result		

¹ Verify that site IDs for IDSE standard monitoring sites match the site IDs in you Standard Monitoring Plan.

² LRAA = Locational Running Average

O. Justification of Selected Stage 2 DBPR Compliance Monitoring Sites:		
Stage 2 Compliance Monitoring Site ID	Site Represents	Justification
		The results of the data analysis should determine the sites selected in conjunction with the order in the protocol. If different sites were selected, the system must justify why they were chosen instead.
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5	

P. Stage 2 DBPR Required Compliance Monitoring Sites - 40 CFR § 141.605 (c)(1 thru 8)				
Stage 2 Compliance Monitoring Site ID	Site ID	Distribution System Monitoring Location (select one type per location)		
		Highest TTHM	Highest HAA5	Stage 1 DBPR
1.	01-A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	02-A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q. Stage 2 DBPR Compliance Monitoring Schedule - 40 CFR 141.621 (a)(2)					
Compliance Monitoring Site ID Line Numbers from Table Q. and Table R. must match.					
Stage 2 Compliance Monitoring Site ID	Site ID	Projected Sampling Date (date or week of)			
		Period 1 Jan 1 – Mar 31	Period 2 April 1 - June 30	Period 3 July 1 – Sept 30	Period 4 Oct 1 – Dec 31
1.	01-A				
2.	02-A				

R. Map - Attach map of the distribution system with the Stage 1 and Stage 2 sampling locations clearly labeled.

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Monitoring Requirements:

Source Water Type	Population Size Category	Monitoring Frequency ¹	Type of Sample Sets Dual Set or Individual ²	Distribution System Monitoring Locations		
				Total Sample Sites per Monitoring Period ²	Break Down of Total Sample Sites: (Must follow EPA Site Selection Protocol)	
					Highest TTHM Locations	Highest HAA5 Locations
Surface Water (Subpart H):	<500	Annually ³	Individual or Dual	2	1	1
	500-3,300	Every 90 days	Individual	2	1	1
	3,301-9,999	Every 90 days	Dual	2	1	1
Ground Water:	<500	Annually	Individual or Dual	2	1	1
	500-9,999	Annually	Dual	2	1	1

¹All systems must monitor during month of highest DBP concentrations.

²Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500–3,300. Ground water systems serving 500–9,999 on annual monitoring must take dual sample sets at each monitoring location. All other systems on annual monitoring and subpart H systems serving 500–3,300 are required to take individual TTHM and HAA5 samples (instead of a dual sample set) at the locations with the highest TTHM and HAA5 concentrations, respectively. For systems serving fewer than 500 people, only one location with a dual sample set per monitoring period is needed if the highest TTHM and HAA5 concentrations occur at the same location and month.

³Surface water systems serving < 500 may not reduce monitoring to less than annually.

Protocol: Steps of Site Selection Protocol, are all of the monitoring sites (listed as required) and if they represent High TTHM or High HAA5 locations, as required by the rule.

Steps of Site Selection Protocol (required by rule)		Stage 2 Compliance Monitoring Sites Selected	Sampling Point
1	Select the location with the highest TTHM LRAA	1st highest TTHM site	01-A
2	Select the remaining location with the highest HAA5 LRAA	1st highest HAA5 site	02-A

Systems serving < 10,000 only need steps 1 & 2, selecting from all Stage 1 sites or all Stage 1 sites and Stage 2 IDSE Standard Monitoring sites (if Stage 2 IDSE Standard Monitoring was conducted).

Submit the completed form (pages 1 thru 4 and the map) to the system's regulatory agency:

Donna Calderon, Manager
Drinking Water Monitoring and Protection Unit
 Arizona Department of Environmental Quality
 1110 W. Washington St., Mail Code 5415 B-2
 Phoenix, AZ 85007
 Desk: 602-771-4641 | Fax: 602-771-4634
dml@azdeq.gov | www.azdeq.gov

Korissa Entringer, R.S., CPM
Manager | Safe Drinking Water Program
 Maricopa County Environmental Services Department
 1001 N Central Avenue, Suite 250
 Phoenix, AZ 85004
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