



United States
Environmental
Protection
Agency

Office of Water
(4601)

EPA 815-B-06-002
January 2006

INITIAL DISTRIBUTION SYSTEM EVALUATION GUIDANCE MANUAL

FOR THE FINAL STAGE 2 DISINFECTANTS AND DISINFECTION BYPRODUCTS RULE

CHAPTER 2

<http://www.epa.gov/safewater/disinfection/stage2/compliance.html>

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2.0 Determining Your IDSE Schedule and Option

This chapter covers:

- 2.1 System Characteristics that Affect IDSE Requirements
- 2.2 Determining Your IDSE Schedule
- 2.3 Determining Your IDSE Option
- 2.4 IDSE Requirements Summary Sheets

2.1 System Characteristics that Affect IDSE Requirements

Your IDSE schedule, option, and other requirements depend on your system characteristics. In general, there are three system characteristics that drive IDSE requirements:

- Whether you are a subpart H system or a ground water system.
- The population served by your system.
- If you are a consecutive or wholesale system, the population served by the largest system in your combined distribution system.

Regulatory definitions for subpart H systems, consecutive systems, wholesale systems, and combined distribution systems are provided in the **definitions section** at the beginning of this guidance manual. Appendix D provides additional discussion of important definitions for consecutive and wholesale systems.

2.2 Determining Your IDSE Schedule

EPA has established four IDSE compliance schedules, shown graphically in Exhibit 1.3 and summarized in the table in Exhibit 2.1. If you are a ***consecutive or wholesale system***, your schedule is based on the population served by the largest system in your ***combined distribution system***. If you are not a consecutive or wholesale system, your schedule is based on the population served by your individual system. EPA and your state have worked together to identify which systems are part of combined distribution systems.

Exhibit 2.1 IDSE Schedule Number

<i>If you are this kind of system:</i>	<i>You are on IDSE schedule number</i>	<i>Your first deadline is</i>
Systems serving 100,000 or more people OR belonging to a combined distribution system in which the largest system serves 100,000 people or more	1	October 1, 2006
Systems serving 50,000 to 99,999 people OR belonging to a combined distribution system in which the largest system serves 50,000 to 99,999 people	2	April 1, 2007
Systems serving 10,000 to 49,999 OR belonging to a combined distribution system in which the largest system serves 10,000 to 49,999 people	3	October 1, 2007
Systems serving fewer than 10,000 people and not belonging to a combined distribution system in which any system serves 10,000 people or more	4	April 1, 2008

Every system that is subject to the Stage 2 DBPR should receive a **letter** from EPA or the state with information on the Stage 2 DBPR and a determination of IDSE schedule (i.e., schedule 1, 2, 3, or 4). Exhibit 2.2 is an example of a letter sent by EPA to a system on schedule 1. Letters from states and letters to systems on other schedules look similar. Systems that EPA or the state anticipates are on schedules 1 and 2 should receive a letter in February 2006. Systems that EPA or the state anticipates are on schedules 3 and 4 should receive a letter in July 2006. States determined your schedule based on their records on your population served and connections to other systems. You should make sure the schedule determination in the letter is consistent with your system size, source water type, and buying / selling relationships with other systems before proceeding.

Some systems may be planning treatment changes before, during, or after the IDSE. Most treatment plant modifications should not impact the relative formation of DBPs in your distribution system. There are no provisions in the Stage 2 DBPR that allow the IDSE schedule to be changed or delayed¹. Not meeting the IDSE compliance deadlines in your requirements summary sheets results in a Tier 3 monitoring and reporting violation for your system.

¹ The Stage 2 DBPR contains provisions that allow systems to modify their Stage 2 DBPR compliance monitoring plan after their IDSE has been completed. Systems should work with their state if they believe that their Stage 2 compliance monitoring sites should be changed after their IDSE is completed.

Exhibit 2.2 Example Letter from EPA to System on Schedule 1



System Name
System Address
City State Zip

January 31, 2006

★★★ Important New Rule Roll Out ★★★
Stage 2 Disinfectants and Disinfection Byproduct Rule (Stage 2 DBPR)

This letter applies to those systems serving 100,000 or more people OR those systems in which the largest system in their combined distribution system serves 100,000 or more people. These systems may also be referred to as Schedule 1 systems.

This letter is the third in a series of communications to inform you of the Stage 2 DBPR requirements. The Rule was published in the *Federal Register* on January 4, 2006. The Stage 2 DBPR builds on existing regulations by requiring water systems to meet disinfection byproduct maximum contaminant levels (MCLs) **at each disinfection byproduct monitoring site in the distribution system** to better protect public health. All community water systems (CWSs) and non-transient noncommunity water systems (NTNCWSs) that use or deliver water treated with a primary or residual disinfectant other than ultraviolet light are subject to the Stage 2 DBPR requirements. However, NTNCWS, serving less than 10,000 people do not have to comply with the Initial Distribution System Evaluation (IDSE) requirements (see below for an explanation of IDSE). An electronic copy of the Stage 2 DBPR can be downloaded from EPA's website at www.epa.gov/safewater/disinfection/stage2.

The first major requirement of the Stage 2 DBPR is for systems to conduct an IDSE. The purpose of the IDSE is to identify locations in the distribution system that have the highest trihalomethane (TTHM) and highest haloacetic acid (HAA5) concentrations. The locations in the distribution system with the highest TTHM and highest HAA5 concentrations will be used as Stage 2 DBPR compliance monitoring sites.

EPA and State records show that your system is required to comply with Schedule 1 IDSE requirements. These requirements are based on the information that your system:

- **Serves 100,000 or more people (or those systems those systems in which the largest system in your combined distribution system serves 100,000 or more people); and**
- **Provides water that has been treated with a primary or residual disinfectant other than ultraviolet light.**

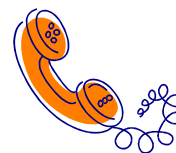
If you believe our records are incorrect please notify us at stage2mdbp@epa.gov as soon as possible.

By October 1, 2006, Schedule 1 systems will have to comply with IDSE requirements by submitting a standard monitoring plan, system specific study plan, or a 40/30 certification. Systems that qualify for a very small system waiver would be exempt from this IDSE requirement.

(Continued)

Whom should I call if I don't receive my letter?

To identify your point of contact for the IDSE, visit EPA's website at <http://www.epa.gov/safewater/disinfection/stage2>. The website contains a list of contact numbers for the IDSE by state. You can also call the EPA SDWA hotline at 1-800-426-4791 for this information.



2.3 Determining Your IDSE Option

There are four options available to meet the requirements of the IDSE:

- Qualify for a Very Small System (VSS) Waiver
- Meet 40/30 Certification requirements
- Conduct a System Specific Study (SSS) using existing monitoring results or a hydraulic model
- Conduct Standard Monitoring

You can use the flowchart in Exhibit 2.3 and Checklists 2.1 and 2.2 to help you determine the right IDSE option for your system. Example 2.1 shows how a surface water system serving 25,000 people used the information in this chapter to determine their requirements.

The **IDSE Tool** works through the flowchart and checklists to determine the most suitable IDSE Option for your system. The tool is available on EPA's website at <http://www.epa.gov/safewater/disinfection/stage2>.



2.4 IDSE Requirements Summary Sheets

EPA has prepared **Requirements Summary Sheets** that contain key information and compliance deadlines for each IDSE schedule and option. A list of requirements summary sheets and their page numbers is provided in Exhibit 2.4 and in the table of contents of this guidance manual. EPA recommends that you **make a copy of** the requirements summary sheet for your IDSE schedule and option and keep it handy throughout the IDSE process. If you are conducting an SSS or standard monitoring, make sure you also make a copy of the **Attachment** with monitoring requirements.

How does population served affect my IDSE requirements?

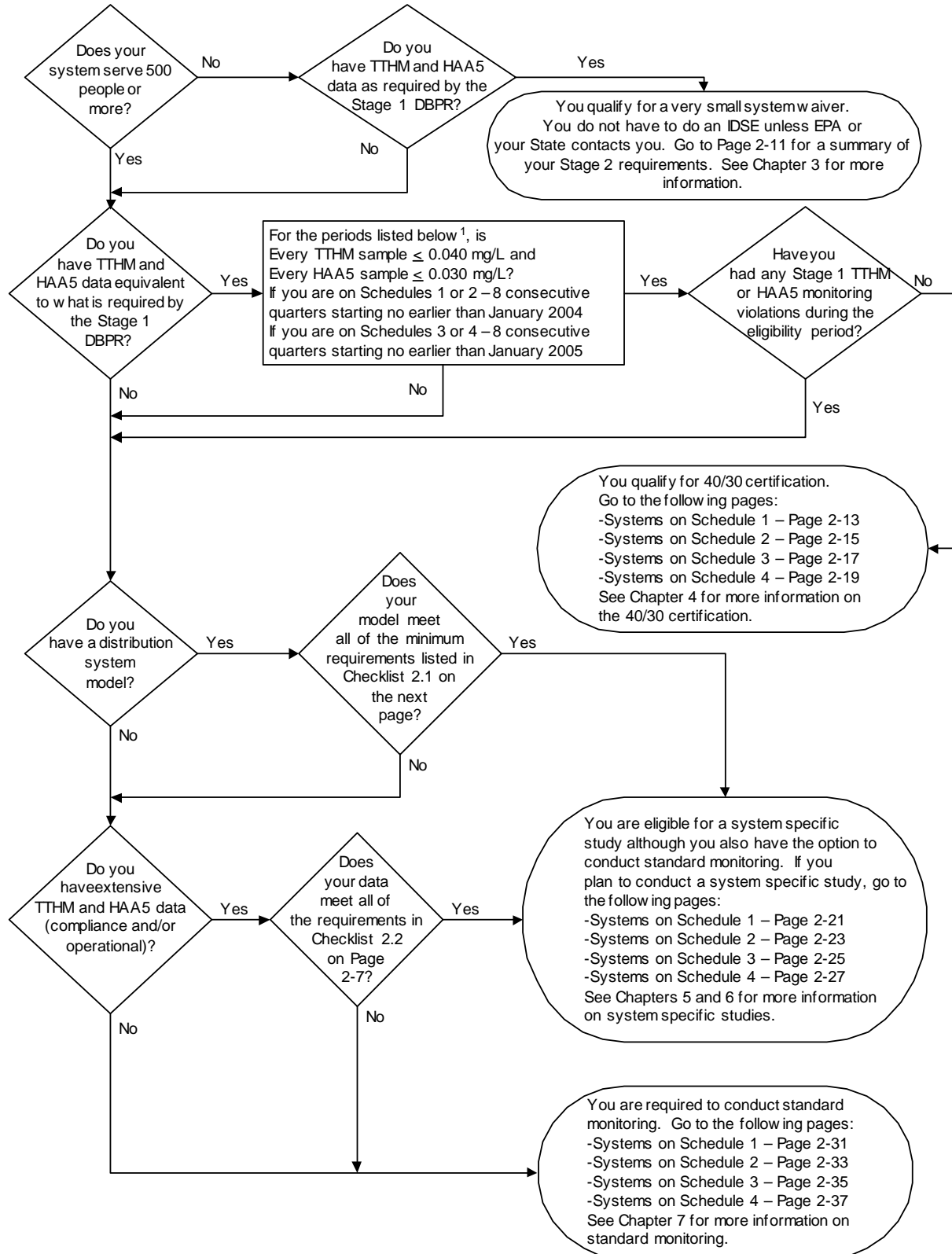
IDSE Schedule

- If you are a consecutive or wholesale system, your IDSE schedule is based on the population served by the largest system in your combined distribution system and is designated in a **letter** from EPA or your state.
- If you are not a consecutive or wholesale system, your IDSE schedule is based on the population served by your system.

IDSE Monitoring

- For all systems, IDSE monitoring locations and sampling frequency are based on the population served by your individual system.
-

Exhibit 2.3 Flowchart for Determining Your IDSE Option



¹Unless you are on reduced monitoring for Stage 1 and were not required to monitor during the specified period. If you did not monitor during the specified period, you must base your eligibility on compliance samples taken during the 12 months preceding the specified period.

Checklist 2.1 Minimum Requirements Checklist for an SSS Using a Distribution System Hydraulic Model

Yes No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Does your model run in extended period simulation? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does it simulate 24-hr variation in demand and show a consistently repeating 24-hr pattern of 24-hr residence time? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does your model include 75% of pipe volume? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does it include 50% of pipe length? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does it represent all pressure zones? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does your model include all 12" diameter and larger pipes? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does your model include all 8" diameter and larger pipes that connect pressure zones, influence zones from different sources, storage facilities, major demand areas, pumps, and control valves or are known or expected to be significant conveyors of water? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does it include all 6" diameter and larger pipes that connect remote areas of the distribution system to the main portion of the system? |
| <input type="checkbox"/> | <input type="checkbox"/> | Are all storage facilities with standard operations represented in your model? |
| <input type="checkbox"/> | <input type="checkbox"/> | Are all active pump stations with controls represented in your model? |
| <input type="checkbox"/> | <input type="checkbox"/> | Does your model include all active control valves? |
| <input type="checkbox"/> | <input type="checkbox"/> | Has your model been calibrated (or do you have plans to complete calibration in the next 12 months) for the current configuration of the distribution system during periods of high TTHM formation potential? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were all storage facilities evaluated as part of the calibration process? |

*If you answered yes to **all** of the above questions, you meet EPA's minimum requirements for a model SSS. Remember, though, that EPA or the state can still require you to conduct standard monitoring, even if you meet the minimum requirements, or you can choose to conduct standard monitoring.*

Refer to Section 6.1 for additional guidance on minimum requirements.

Checklist 2.2 Minimum Requirements Checklist for an SSS Using Existing Monitoring Results

Yes No

- Do you have at least the minimum number of distribution system monitoring locations shown in the table below from which you collected TTHM and HAA5 samples?
- Do you have at least the minimum number of TTHM samples and HAA5 samples shown in the table below?
- Was each monitoring location sampled once during the month of high TTHM, high HAA5 or warmest water temperature for every 12 months of data?
- Were all samples collected and analyzed in accordance with an approved EPA method and by a certified laboratory?
- Were all sample results collected no earlier than five years prior to your SSS plan submission deadline?
- Have your distribution system and treatment not changed significantly since you collected your samples?
- Are your existing monitoring locations representative of your entire distribution system?

*If you answered yes to **all** of the above questions, you meet EPA's minimum requirements for an SSS using existing monitoring results. Remember, though, that EPA or your state can still require you to conduct standard monitoring, even if you meet the minimum requirements, or you can choose to conduct standard monitoring.*

Refer to Section 5.1 for additional guidance on minimum requirements.

Source Water Type	System Size Category (Population Served)	Minimum Number of Monitoring Locations	Minimum Number of Samples	
			TTHM	HAA5
Subpart H	<500	3	3	3
	500-3,300	3	9	9
	3,301-9,999	6	36	36
	10,000-49,999	12	72	72
	50,000-249,999	24	144	144
	250,000-999,999	36	216	216
	1,000,000-4,999,999	48	288	288
	≥5,000,000	60	360	360
Ground Water	<500	3	3	3
	500-9,999	3	9	9
	10,000-99,999	12	48	48
	100,000-499,999	18	72	72
	≥500,000	24	96	96

Example 2.1 Determining IDSE Requirements for a Consecutive System Serving 25,000 people

System X is a consecutive system serving 25,000 people. They purchase all of their water from System Y, which is a wholesale surface water system that serves their own retail population of 110,000 people. System X received a letter from their state notifying them of the new Stage 2 DBPR and stating that they are on **Schedule 1**. System X called System Y right away to confirm that they were on the same schedule.

Next, System X began working through the flowchart in Exhibit 2.3 of the IDSE guidance manual to determine their IDSE option.

- They serve more than 500 people and cannot qualify for the VSS waiver.
- Their Stage 1 DBPR monitoring results for TTHM were between 45 and 70 micrograms per liter ($\mu\text{g/L}$), so they did not qualify for the 40/30 certification.
- System X knows that System Y had been collecting TTHM and HAA5 samples from both systems for a long time. They contacted System Y and requested TTHM and HAA5 data collected from System X for the last five years. System X worked closely with System Y and determined that their existing monitoring results met the minimum requirements in Checklist 2.2. Therefore, System X selected the **SSS using existing monitoring results** as their IDSE option.

To determine which chapters of the IDSE manual they needed, System X referred to Exhibit 1.2. System X then downloaded Chapters 1, 2, and 5, and Appendices A, B, D, and E of the IDSE guidance manual from <http://www.epa.gov/safewater/disinfection/stage2> to build their own custom manual. They made a copy of the requirements summary sheet titled “System Specific Study Requirements - Schedule 1” and the “System Specific Study Requirements - Attachment (For All Schedules)” sheet to keep handy throughout the IDSE process. Then they began preparing their SSS Plan.

Note: If System X had used the IDSE tool, it would have done these steps for them and created a custom form for their SSS Plan.



Exhibit 2.4 List of Requirements Summary Sheets

Requirement Summary Sheet	Page
Requirements for Very Small System Waivers	2-11
40/30 Certification Requirements - Schedule 1	2-13
40/30 Certification Requirements - Schedule 2	2-15
40/30 Certification Requirements - Schedule 3	2-17
40/30 Certification Requirements - Schedule 4	2-19
System Specific Study Requirements - Schedule 1	2-21
System Specific Study Requirements - Schedule 2	2-23
System Specific Study Requirements - Schedule 3	2-25
System Specific Study Requirements - Schedule 4	2-27
System Specific Study Requirements - Attachment (For All Schedules)	2-29
Standard Monitoring Requirements - Schedule 1	2-31
Standard Monitoring Requirements - Schedule 2	2-33
Standard Monitoring Requirements - Schedule 3	2-35
Standard Monitoring Requirements - Schedule 4	2-37
Standard Monitoring Requirements - Attachment (For All Schedules)	2-39

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Requirements for Very Small System Waivers

Page 1 of 2

This summary sheet is for systems that:

- Serve fewer than 500 people, and
- Have taken TTHM and HAA5 samples.

WHAT TO DO NOW:

You have **NO** further requirements for the IDSE unless EPA or your state contacts you. If EPA or your state contacts you, they will work with you to determine an appropriate IDSE schedule for your system. See **Chapter 3** for more information.

Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You must start taking Stage 2 DBPR compliance monitoring samples by the deadline listed on the next page. You must prepare a Stage 2 compliance monitoring plan before you take your first compliance sample.

If you have high levels of DBPs, you may need to make system changes to meet the requirements of the Stage 2 DBPR. See **Chapter 1, Section 1.1** of this guidance manual, for a list of additional guidance materials for the Stage 2 DBPR. If you buy water from another public water system, see EPA's *Consecutive System Guidance Manual* for more information.

Reminder:

Your requirements for Stage 2 DBPR compliance monitoring (locations and frequency) are based on the population served by your system and are listed on the next page.

Stage 2 DBPR Compliance Monitoring Deadlines

Schedule (population served) ¹	Year in Which You Must Begin Stage 2 Compliance Monitoring
Schedule 1 (≥ 100,000)	2012
Schedule 2 (50,000 - 99,999)	2012
Schedule 3 (10,000 - 49,999)	2013
Schedule 4 (< 10,000)	2013 or 2014 ²

¹ If you are a consecutive or wholesale system, your schedule is based on the largest system in your combined distribution system. You should have received a letter from EPA or your state with your schedule for the Stage 2 DBPR.

² 2014 if *Cryptosporidium* monitoring is required under 141.701(a)(4) or (a)(6).

Stage 2 DBPR Compliance Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location ³
Subpart H	<500	per year	2
Ground Water	<500	per year	2

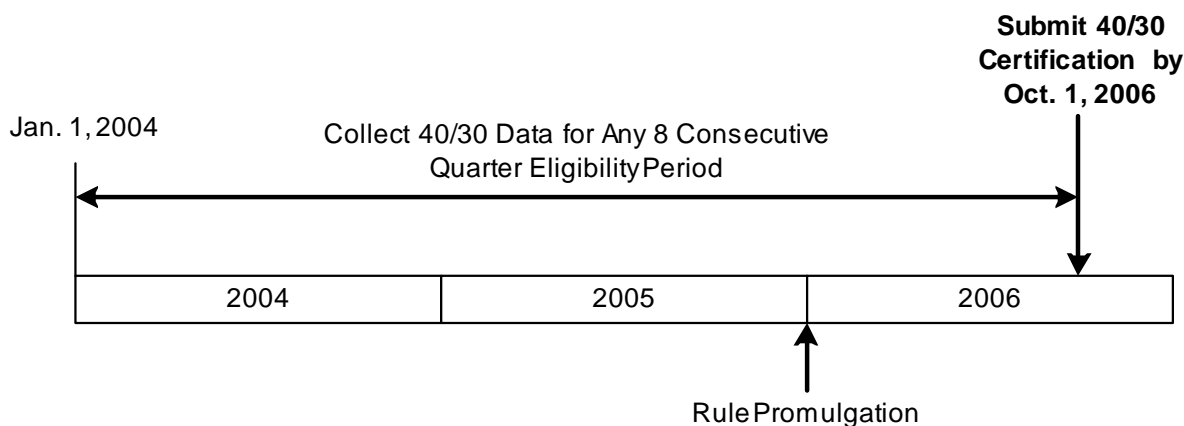
¹ Your monitoring requirements (location and frequency) are based on the population served by your individual system.

² You must monitor during the month of highest DBP concentrations.

³ You are required to take individual TTHM and HAA5 samples at the locations with the highest TTHM and HAA5 concentrations, respectively. 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.

40/30 Certification Requirements - Schedule 1

Page 1 of 2



This summary sheet is for systems that satisfy all of the following requirements for any **8 consecutive quarter eligibility period** beginning no earlier than **January 2004**:

- You serve 100,000 people or more OR are part of a combined distribution system where the largest system serves 100,000 people or more
- You have TTHM and HAA5 data equivalent to what is required by the Stage 1 DBPR
- No individual sample exceeds 0.040 mg/L for TTHM
- No individual sample exceeds 0.030 mg/L for HAA5
- Your system did not have any TTHM or HAA5 monitoring violations

WHAT TO DO NOW:

1. Prepare a certification letter

Due: October 1, 2006

You must submit the certification letter to the address or e-mail provided below, or use the **IDSE Tool** to prepare and submit your certification letter. Note that EPA or your state could contact you and require more information, or require you to conduct an IDSE.

For more information and letter templates:

See **Chapter 4** of this guidance manual. If you are a consecutive or wholesale system, see Appendix D of this guidance manual. A template you can use for your 40/30 certification letter is included on Page 4-5. If you would like an electronic template, use the **IDSE Tool**, available at <http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

2. Mail your 40/30 certification letter to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

3. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You have additional Stage 2 DBPR requirements. You must:

- Select Stage 2 DBPR compliance monitoring sites.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **April 2012**, according to your Stage 2 compliance monitoring plan.

See **Chapter 1, Section 1.1** of this guidance manual for a list of additional guidance materials for the Stage 2 DBPR.

Reminder:

Your requirements for Stage 2 compliance monitoring are based on the population of your system and are listed below.

Stage 2 DBPR Compliance Monitoring Requirements

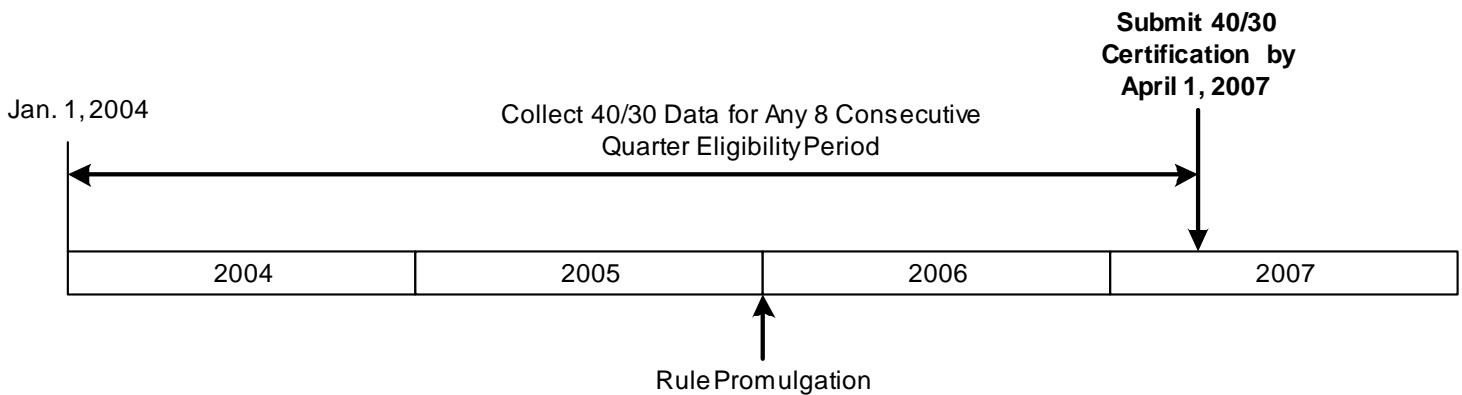
Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location			
			Total per monitoring period ³	Highest TTHM Locations	Highest HAA5 Locations	Existing Stage 1 DBPR Compliance Locations
Subpart H	<500	per year	2	1	1	.....
	500-3,300	per quarter	2	1	1	.....
	3,301-9,999	per quarter	2	1	1	.....
	10,000-49,999	per quarter	4	2	1	1
	50,000-249,999	per quarter	8	3	3	2
	250,000-999,999	per quarter	12	5	4	3
	1,000,000-4,999,999	per quarter	16	6	6	4
	≥ 5,000,000	per quarter	20	8	7	5
Ground Water	<500	per year	2	1	1	.....
	500-9,999	per year	2	1	1	.....
	10,000-99,999	per quarter	4	2	1	1
	100,000-499,999	per quarter	6	3	2	1
	≥ 500,000	per quarter	8	3	3	2

¹ Your monitoring requirements (location and frequency) are based on the population served by your system.

² All systems must monitor during month of highest DBP concentrations.

³ Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500-3,300. 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. Only one location with a dual sample set per monitoring period is needed if highest TTHM and HAA5 concentrations occur at the same location (and month, if monitored annually).

40/30 Certification Requirements - Schedule 2



This summary sheet is for systems that satisfy all of the following requirements for any **8 consecutive quarter eligibility period** beginning no earlier than **January 2004**:

- You serve 50,000-99,999 people OR are part of a combined distribution system where the largest system serves 50,000-99,999 people
- You have TTHM and HAA5 data equivalent to what is required by the Stage 1 DBPR
- No individual sample exceeds 0.040 mg/L for TTHM
- No individual sample exceeds 0.030 mg/L for HAA5
- Your system did not have any TTHM or HAA5 monitoring violations

WHAT TO DO NOW:

1. Prepare a certification letter

Due: April 1, 2007

You must submit the certification letter to the address or e-mail provided below, or use the **IDSE Tool** to prepare and submit your certification letter. Note that EPA or your state could contact you and require more information, or require you to conduct an IDSE.

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IDSE Tool

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STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

3. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You have additional Stage 2 DBPR requirements. You must:

- Select Stage 2 compliance monitoring sites.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2012**, according to your Stage 2 compliance monitoring plan.

See **Chapter 1, Section 1.1** of this guidance manual for a list of additional guidance materials for the Stage 2 DBPR.

Reminder:

Your requirements for Stage 2 compliance monitoring are based on the population of your system and are listed below.

Stage 2 DBPR Compliance Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location			
			Total per monitoring period ³	Highest TTHM Locations	Highest HAA5 Locations	Existing Stage 1 DBPR Compliance Locations
Subpart H	<500	per year	2	1	1	.....
	500-3,300	per quarter	2	1	1	.....
	3,301-9,999	per quarter	2	1	1	.....
	10,000-49,999	per quarter	4	2	1	1
	50,000-249,999	per quarter	8	3	3	2
	250,000-999,999	per quarter	12	5	4	3
	1,000,000-4,999,999	per quarter	16	6	6	4
	≥ 5,000,000	per quarter	20	8	7	5
Ground Water	<500	per year	2	1	1	.....
	500-9,999	per year	2	1	1	.....
	10,000-99,999	per quarter	4	2	1	1
	100,000-499,999	per quarter	6	3	2	1
	≥ 500,000	per quarter	8	3	3	2

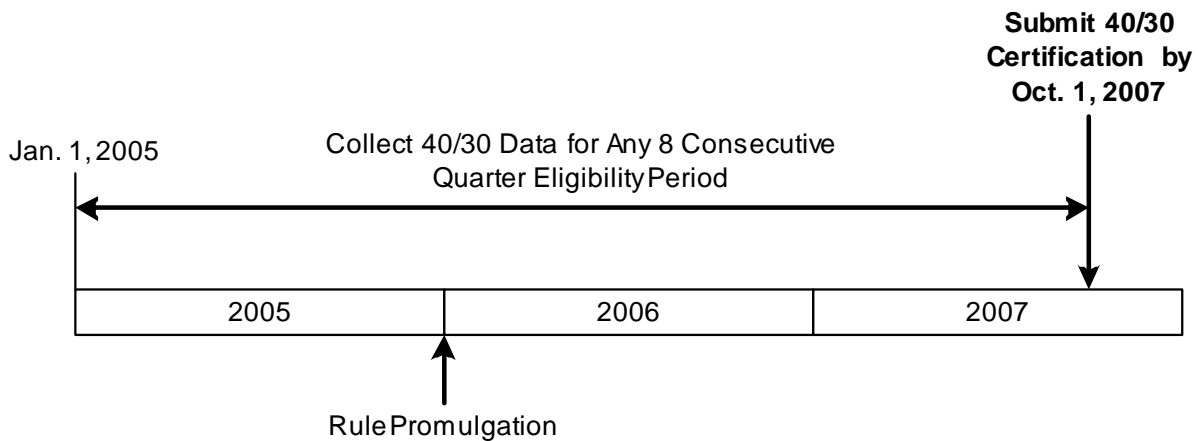
¹ Your monitoring requirements (location and frequency) are based on the population served by your system.

² All systems must monitor during month of highest DBP concentrations.

³ Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500-3,300. 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. Only one location with a dual sample set per monitoring period is needed if highest TTHM and HAA5 concentrations occur at the same location (and month, if monitored annually).

40/30 Certification Requirements - Schedule 3

Page 1 of 2



This summary sheet is for systems that satisfy all of the following requirements for any **8 consecutive quarter eligibility period** beginning no earlier than **January 2005**:

- You serve 10,000-49,999 people OR are part of a combined distribution system where the largest system serves 10,000-49,999 people
- You have TTHM and HAA5 data equivalent to what is required by the Stage 1 DBPR
- No individual sample exceeds 0.040 mg/L for TTHM
- No individual sample exceeds 0.030 mg/L for HAA5
- Your system did not have any TTHM or HAA5 monitoring violations

WHAT TO DO NOW:

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Due: October 1, 2007

You must submit the certification letter to the address or e-mail provided below, or use the **IDSE Tool** to prepare and submit your certification letter. Note that EPA or your state could contact you and require more information, or require you to conduct an IDSE.

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IDSE Tool

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Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

3. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You have additional Stage 2 DBPR requirements. You must:

- Select Stage 2 compliance monitoring sites.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2013**, according to your Stage 2 compliance monitoring plan.

See **Chapter 1, Section 1.1** of this guidance manual for a list of additional guidance materials for the Stage 2 DBPR.

Reminder:

Your requirements for Stage 2 compliance monitoring are based on the population of your system and are listed below.

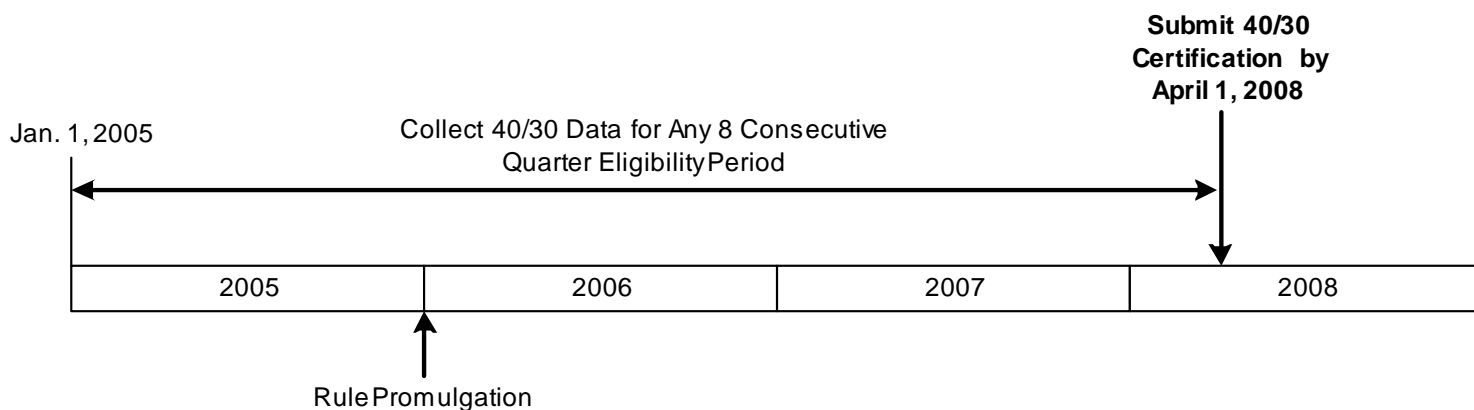
Stage 2 DBPR Compliance Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location			
			Total per monitoring period ³	Highest TTHM Locations	Highest HAA5 Locations	Existing Stage 1 DBPR Compliance Locations
Subpart H	<500	per year	2	1	1	.....
	500-3,300	per quarter	2	1	1	.....
	3,301-9,999	per quarter	2	1	1	.....
	10,000-49,999	per quarter	4	2	1	1
	50,000-249,999	per quarter	8	3	3	2
	250,000-999,999	per quarter	12	5	4	3
	1,000,000-4,999,999	per quarter	16	6	6	4
	≥ 5,000,000	per quarter	20	8	7	5
Ground Water	<500	per year	2	1	1	.....
	500-9,999	per year	2	1	1	.....
	10,000-99,999	per quarter	4	2	1	1
	100,000-499,999	per quarter	6	3	2	1
	≥ 500,000	per quarter	8	3	3	2

1 Your monitoring requirements (location and frequency) are based on the population served by your system.

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

3 Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500-3,300. 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. Only one location with a dual sample set per monitoring period is needed if highest TTHM and HAA5 concentrations occur at the same location (and month, if monitored annually).



This summary sheet is for systems that satisfy all of the following requirements for any **8 consecutive quarter eligibility period** beginning no earlier than **January 2005**:

- You serve fewer than 10,000 people OR are part of a combined distribution system where the largest system serves fewer than 10,000 people
- You have TTHM and HAA5 data equivalent to what is required by the Stage 1 DBPR
- No individual sample exceeds 0.040 mg/L for TTHM
- No individual sample exceeds 0.030 mg/L for HAA5
- Your system did not have any TTHM or HAA5 monitoring violations

WHAT TO DO NOW:

1. Prepare a certification letter

Due: April 1, 2008

You must submit the certification letter to the address or e-mail provided below, or use the **IDSE Tool** to prepare and submit your certification letter. Note that EPA or your state could contact you and require more information, or require you to conduct an IDSE.

For more information and letter templates:

See **Chapter 4** of this guidance manual. If you are a consecutive or wholesale system, see Appendix D of this guidance manual. A template you can use for your 40/30 certification letter is included on Page 4-5. If you would like an electronic template, use the **IDSE Tool**, available at <http://www.epa.gov/safewater/disinfection/stage2>.



2. Mail your 40/30 certification letter to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

3. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You have additional Stage 2 DBPR requirements. You must:

- Select Stage 2 compliance monitoring sites.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2013 or October 2014**, according to your Stage 2 compliance monitoring plan.

See **Chapter 1, Section 1.1** of this guidance manual for a list of additional guidance materials for the Stage 2 DBPR.

Reminder:

Your requirements for Stage 2 compliance monitoring are based on the population of your system and are listed below.

Stage 2 DBPR Compliance Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location			
			Total per monitoring period ³	Highest TTHM Locations	Highest HAA5 Locations	Existing Stage 1 DBPR Compliance Locations
Subpart H	<500	per year	2	1	1	.....
	500-3,300	per quarter	2	1	1	.....
	3,301-9,999	per quarter	2	1	1	.....
	10,000-49,999	per quarter	4	2	1	1
	50,000-249,999	per quarter	8	3	3	2
	250,000-999,999	per quarter	12	5	4	3
	1,000,000-4,999,999	per quarter	16	6	6	4
	≥ 5,000,000	per quarter	20	8	7	5
Ground Water	<500	per year	2	1	1	.....
	500-9,999	per year	2	1	1	.....
	10,000-99,999	per quarter	4	2	1	1
	100,000-499,999	per quarter	6	3	2	1
	≥ 500,000	per quarter	8	3	3	2

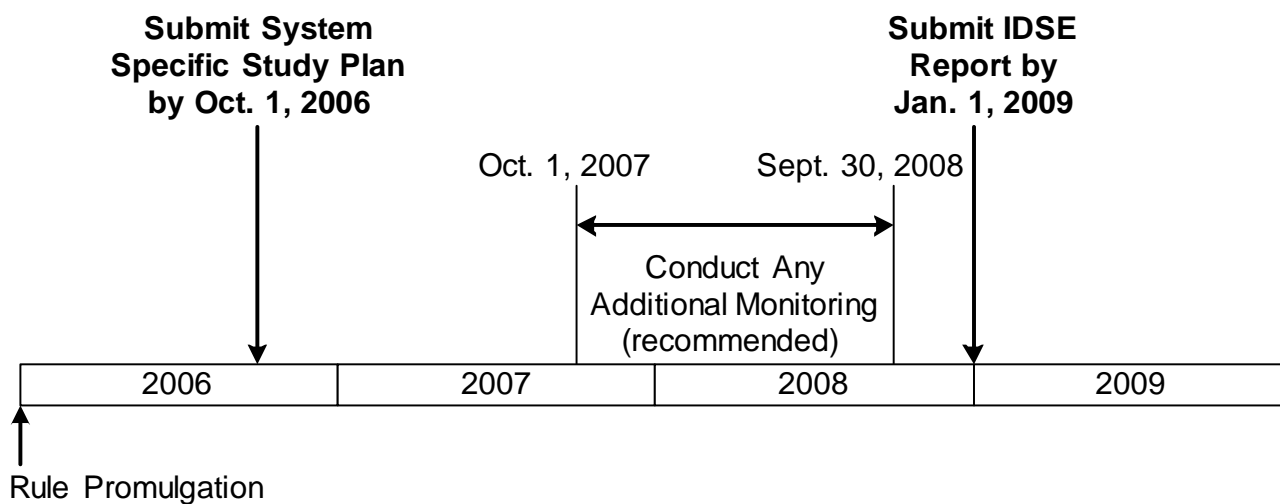
¹ Your monitoring requirements (location and frequency) are based on the population served by your system.

² All systems must monitor during month of highest DBP concentrations.

³ Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500-3,300. 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. Only one location with a dual sample set per monitoring period is needed if highest TTHM and HAA5 concentrations occur at the same location (and month, if monitored annually).

System Specific Study Requirements - Schedule 1

Page 1 of 2



This summary sheet is for systems that serve 100,000 people or more OR are part of a combined distribution system where the largest system serves 100,000 people or more.

WHAT TO DO NOW:

1. Develop a System Specific Study Plan

Due: October 1, 2006

For guidance on how to develop your SSS Plan:

- If you are using existing monitoring results, see Chapter 5. Your minimum data requirements are also listed on the attachment on Page 2-29.
- If you are using a distribution system hydraulic model, see Chapter 6.
- Chapters 5 and 6 contain plan templates. If you would like an electronic template, see the IDSE Tool:
<http://www.epa.gov/safewater/disinfection/stage2>.



Mail your SSS Plan to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your SSS plan and contact you before October 1, 2007 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your SSS plan approved and proceed with your plans.

2. Conduct Any Additional Monitoring

Oct. 1, 2007 - Sept. 30, 2008

Systems using existing monitoring results may take additional samples during the SSS. Monitoring should be done according to the approved SSS Plan. Systems using models are required to complete one period of monitoring.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Report for the SSS

Due: January 1, 2009

The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-30. For guidance on how to select your sites and write your IDSE report:

- If you are using existing monitoring data, see Chapter 5, Section 5.3.
- If you are using a distribution system hydraulic model, see Chapter 6, Section 6.6 and Section 6.7.

EPA or your state will review your IDSE report and contact you before April 1, 2009 to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your report approved and start preparing for Stage 2 compliance monitoring.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to:

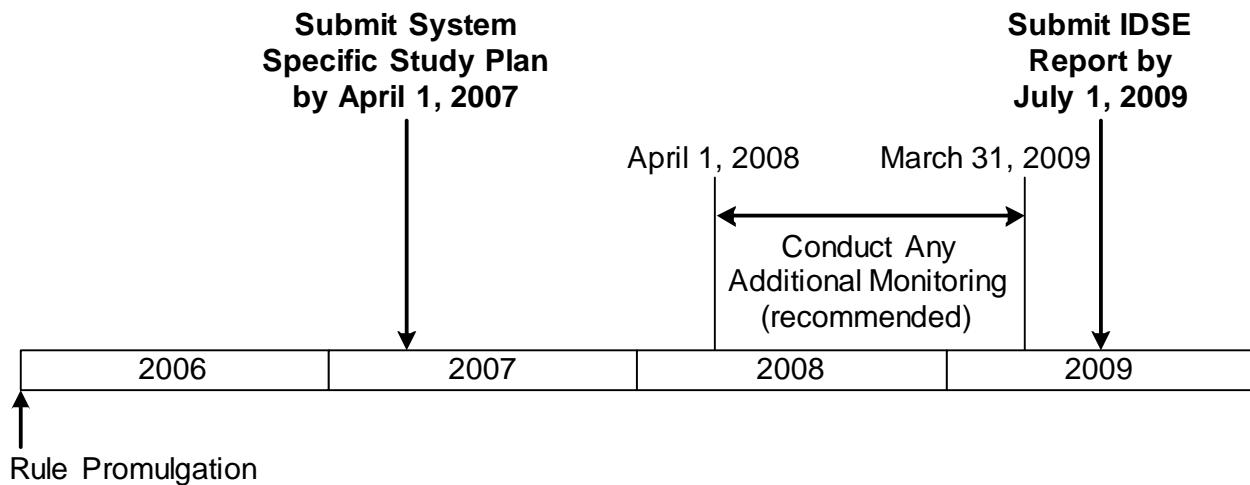
- If you have high levels of DBPs, you may need to make system changes before **April 1, 2012** to meet the requirements of the Stage 2 DBPR. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **April 2012**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed the attachment on Pages 2-29 and 2-30.

System Specific Study Requirements - Schedule 2

Page 1 of 2



This summary sheet is for systems that serve 50,000-99,999 people OR are part of a combined distribution system where the largest system serves 50,000-99,999 people.

WHAT TO DO NOW:

1. Develop a System Specific Study Plan

Due: April 1, 2007

For guidance on how to develop your SSS Plan:

- If you are using existing monitoring results, see Chapter 5. Your minimum data requirements are also listed on the attachment on Page 2-29.
- If you are using a distribution system hydraulic model, see Chapter 6.
- Chapters 5 and 6 contain plan templates. If you would like an electronic template, see the IDSE Tool:

<http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

Mail your SSS Plan to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your SSS plan and contact you before April 1, 2008 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your SSS plan approved and proceed with your plans.

2. Conduct Any Additional Monitoring

Apr. 1, 2008 - March 31, 2009

Systems using existing monitoring results may take additional samples during the SSS. Monitoring should be done according to the approved SSS Plan. Systems using models are required to complete one period of monitoring.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Report for the SSS

Due: July 1, 2009

The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-30. For guidance on how to select your sites and write your IDSE report:

- If you are using existing monitoring data, see Chapter 5, Section 5.3.
- If you are using a distribution system hydraulic model, see Chapter 6, Section 6.6 and Section 6.7.

EPA or your state will review your IDSE report and contact you before October 1, 2009 to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your report approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to:

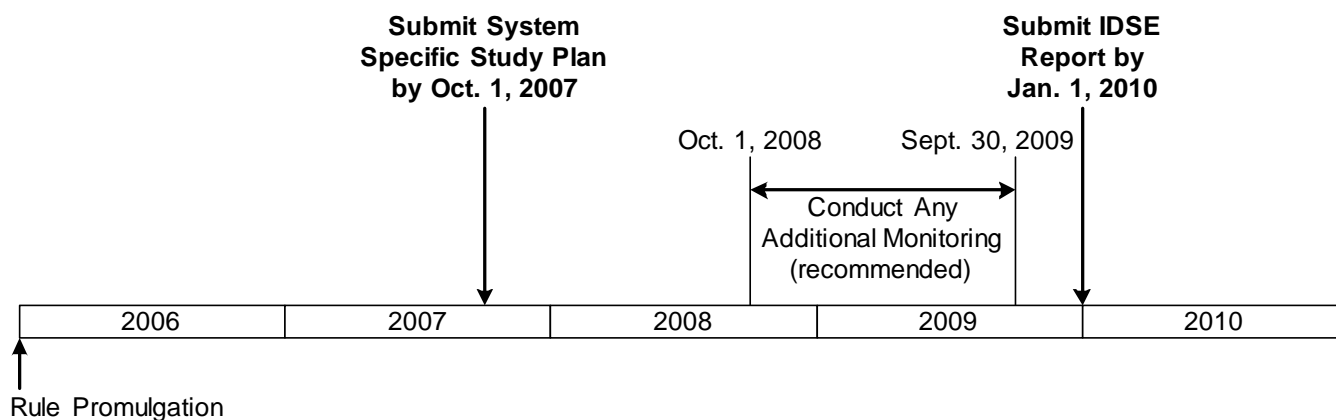
- If you have high levels of DBPs, you may need to make system changes before **October 1, 2012** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2012**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed the attachment on Pages 2-29 and 2-30.

System Specific Study Requirements - Schedule 3

Page 1 of 2



This summary sheet is for systems that serve 10,000-49,999 people OR are part of a combined distribution system where the largest system serves 10,000-49,999 people.

WHAT TO DO NOW:

1. Develop a System Specific Study Plan

Due: October 1, 2007

For guidance on how to develop your SSS Plan:

- If you are using existing monitoring results, see Chapter 5. Your minimum data requirements are also listed on the attachment on Page 2-29.
- If you are using a distribution system hydraulic model, see Chapter 6.
- Chapters 5 and 6 contain plan templates. If you would like an electronic template, see the IDSE Tool:
<http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

Mail your SSS Plan to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your SSS plan and contact you before October 1, 2008 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your SSS plan approved and proceed with your plans.

2. Conduct Any Additional Monitoring

Oct. 1, 2008 - Sept. 30, 2009

Systems using existing monitoring results may take additional samples during the SSS. Monitoring should be done according to the approved SSS Plan. Systems using models are required to complete one period of monitoring.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Report for the SSS

Due: January 1, 2010

The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-30. For guidance on how to select your sites and write your IDSE report:

- If you are using existing monitoring data, see Chapter 5, Section 5.3.
- If you are using a distribution system hydraulic model, see Chapter 6, Section 6.6 and Section 6.7.

EPA or your state will review your IDSE report and contact you before October 1, 2010 to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your report approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to:

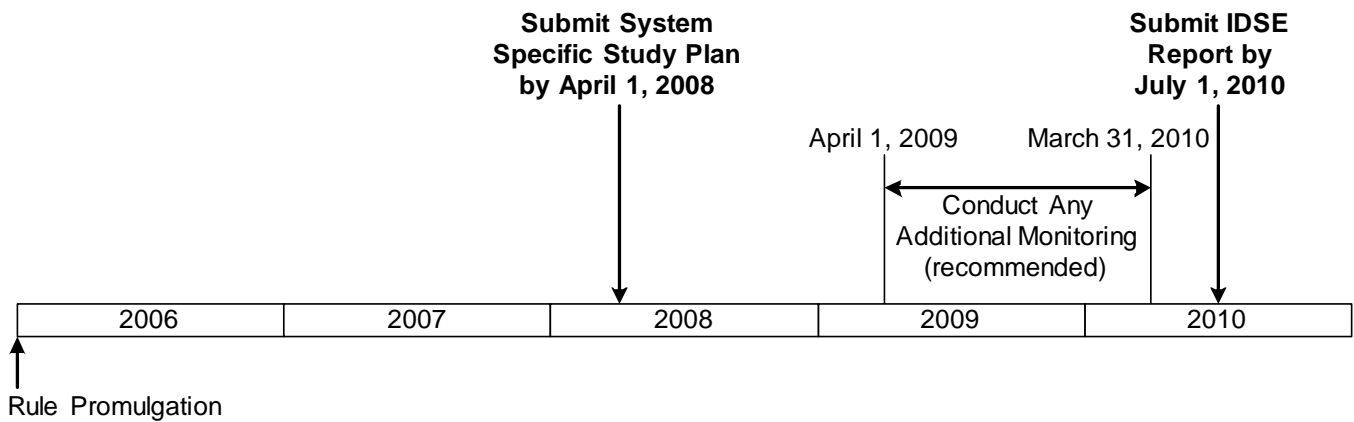
- If you have high levels of DBPs, you may need to make system changes before **October 1, 2013** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2013**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed the attachment on Pages 2-29 and 2-30.

System Specific Study Requirements - Schedule 4

Page 1 of 2



This summary sheet is for systems that serve fewer than 10,000 people OR are part of a combined distribution system where the largest system serves fewer than 10,000 people.

WHAT TO DO NOW:

1. Develop a System Specific Study Plan

Due: April 1, 2008

For guidance on how to develop your SSS Plan:

- If you are using existing monitoring results, see Chapter 5. Your minimum data requirements are also listed on the attachment on Page 2-29.
- If you are using a distribution system hydraulic model, see Chapter 6.
- Chapters 5 and 6 contain plan templates. If you would like an electronic template, see the IDSE Tool:

<http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

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P O Box 98
Dayton, OH 45401-0098

Email to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your SSS plan and contact you before April 1, 2009 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your SSS plan approved and proceed with your plans.

2. Conduct Any Additional Monitoring

Apr. 1, 2009 - March 31, 2010

Systems using existing monitoring results may take additional samples during the SSS.

Monitoring should be done according to the approved SSS Plan. Systems using models are required to complete one period of monitoring.

WHAT TO DO NOW:

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Report for the SSS

Due: July 1, 2010

The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-30. For guidance on how to select your sites and write your IDSE report:

- If you are using existing monitoring data, see Chapter 5, Section 5.3.
- If you are using a distribution system hydraulic model, see Chapter 6, Section 6.6 and Section 6.7.

EPA or your state will review your IDSE report and contact you before October 1, 2010 to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your report approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to:

- If you have high levels of DBPs, you may need to make system changes before **October 1, 2013** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2013 or October 2014**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed the attachment on Pages 2-29 and 2-30.

System Specific Study Requirements - Attachment (For All Schedules)

Minimum Sample Requirements for the SSS using Existing Monitoring Results

Source Water Type	Population Size Category ¹	Number of Monitoring Locations	Number of TTHM Samples	Number of HAA5 Samples
Subpart H	<500	3	3	3
	500-3,300	3	9	9
	3,301-9,999	6	36	36
	10,000-49,999	12	72	72
	50,000-249,999	24	144	144
	250,000-999,999	36	216	216
	1,000,000-4,999,999	48	288	288
	≥5,000,000	60	360	360
Ground Water	<500	3	3	3
	500-9,999	3	9	9
	10,000-99,999	12	48	48
	100,000-499,999	18	72	72
	≥500,000	24	96	96

¹ Your minimum sample requirements (locations and frequency) are based on the population served by your system.

System Specific Study Requirements - Attachment (For All Schedules)

Stage 2 Compliance Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location			
			Total per monitoring period ³	Highest TTHM Locations	Highest HAA5 Locations	Existing Stage 1 DBPR Compliance Locations
Subpart H	<500	per year	2	1	1	.....
	500-3,300	per quarter	2	1	1	.....
	3,301-9,999	per quarter	2	1	1	.....
	10,000-49,999	per quarter	4	2	1	1
	50,000-249,999	per quarter	8	3	3	2
	250,000-999,999	per quarter	12	5	4	3
	1,000,000-4,999,999	per quarter	16	6	6	4
	≥5,000,000	per quarter	20	8	7	5
Ground Water	<500	per year	2	1	1	.....
	500-9,999	per year	2	1	1	.....
	10,000-99,999	per quarter	4	2	1	1
	100,000-499,999	per quarter	6	3	2	1
	≥500,000	per quarter	8	3	3	2

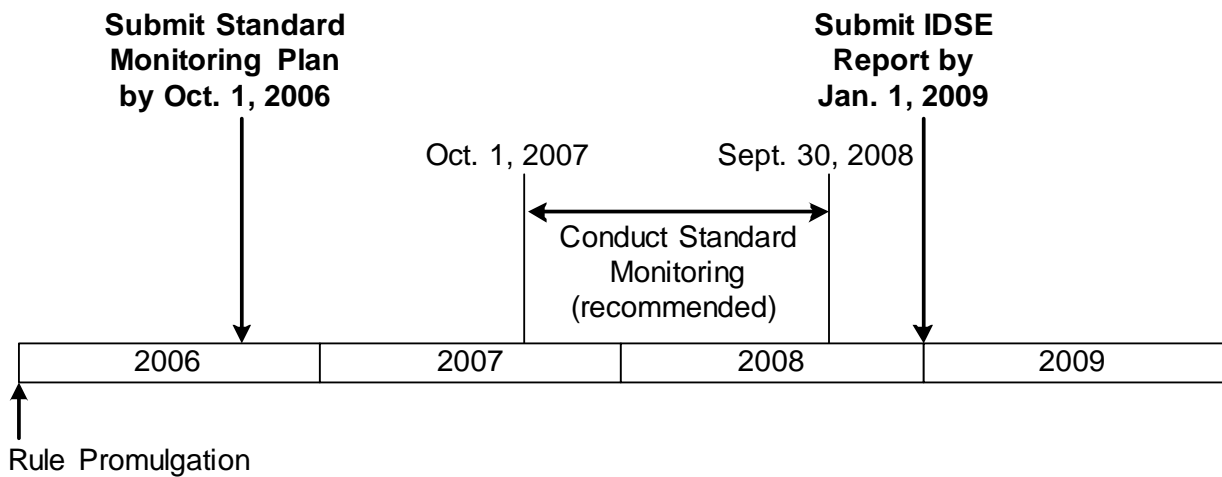
¹ Your monitoring requirements (location and frequency) are based on the population served by your system.

² All systems must monitor during month of highest DBP concentrations.

³ Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500-3,300. 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. Only one location with a dual sample set per monitoring period is needed if highest TTHM and HAA5 concentrations occur at the same location (and month, if monitored annually).

Standard Monitoring Requirements - Schedule 1

Page 1 of 2



This summary sheet is for systems that serve 100,000 people or more OR are part of a combined distribution system where the largest system serves 100,000 people or more.

WHAT TO DO NOW:

1. Develop Standard Monitoring Plan

Due: October 1, 2006

- See Chapter 7, Section 7.1.3 for guidance on how to develop your IDSE Standard Monitoring Plan. Your monitoring requirements are also listed on the attachment on Page 2-39.
- Chapter 7 contains plan templates. If you would like an electronic template, see the IDSE Tool:
<http://www.epa.gov/safewater/disinfection/stage2>.



Mail your standard monitoring plan to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

E-mail to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your standard monitoring plan and contact you before October 1, 2007 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start monitoring.

2. Conduct Standard Monitoring

Oct. 1, 2007 - Sept. 30, 2008

Monitoring should be done according to your standard monitoring plan.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Standard Monitoring Report

Due: January 1, 2009

- See Chapter 7, Section 7.3 for guidance on how to select Stage 2 compliance monitoring sites and write the IDSE report. The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-40.
- **EPA or your state will review your IDSE report and contact you before April 1, 2009** to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to do the following:

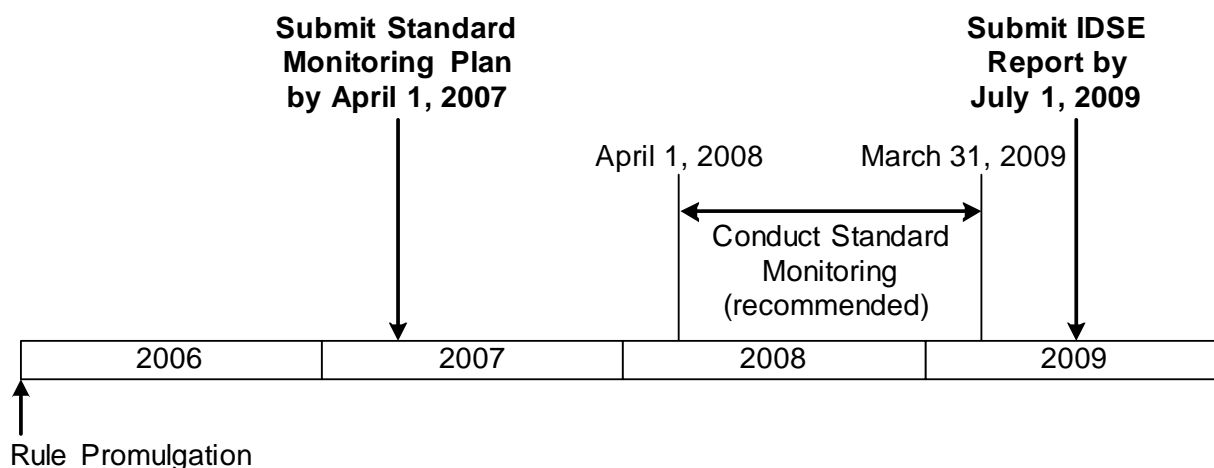
- If you have high levels of DBPs, you may need to make system changes before **April 1, 2012** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **April 2012**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed in the attachment on Pages 2-39 and 2-40.

Standard Monitoring Requirements - Schedule 2

Page 1 of 2



This summary sheet is for systems that serve 50,000-99,999 people OR are part of a combined distribution system where the largest system serves 50,000-99,999 people.

WHAT TO DO NOW:

1. Develop Standard Monitoring Plan

Due: April 1, 2007

- See Chapter 7, Section 7.1.3 for guidance on how to develop your IDSE Standard Monitoring Plan. Your monitoring requirements are also listed on the attachment on Page 2-39.
- Chapter 7 contains plan templates. If you would like an electronic template, see the IDSE Tool:
<http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

Mail your standard monitoring plan to:

STAGE 2 DBPR
US EPA-IPMC
P O Box 98
Dayton, OH 45401-0098

E-mail to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your standard monitoring plan and contact you before April 1, 2008 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start monitoring.

2. Conduct Standard Monitoring

Apr. 1, 2008 - March 31, 2009

Monitoring should be done according to your standard monitoring plan.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Standard Monitoring Report

Due: July 1, 2009

- See Chapter 7, Section 7.3 for guidance on how to select Stage 2 compliance monitoring sites and write the IDSE report. The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-40.
- **EPA or your state will review your IDSE report and contact you before October 1, 2009** to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to do the following:

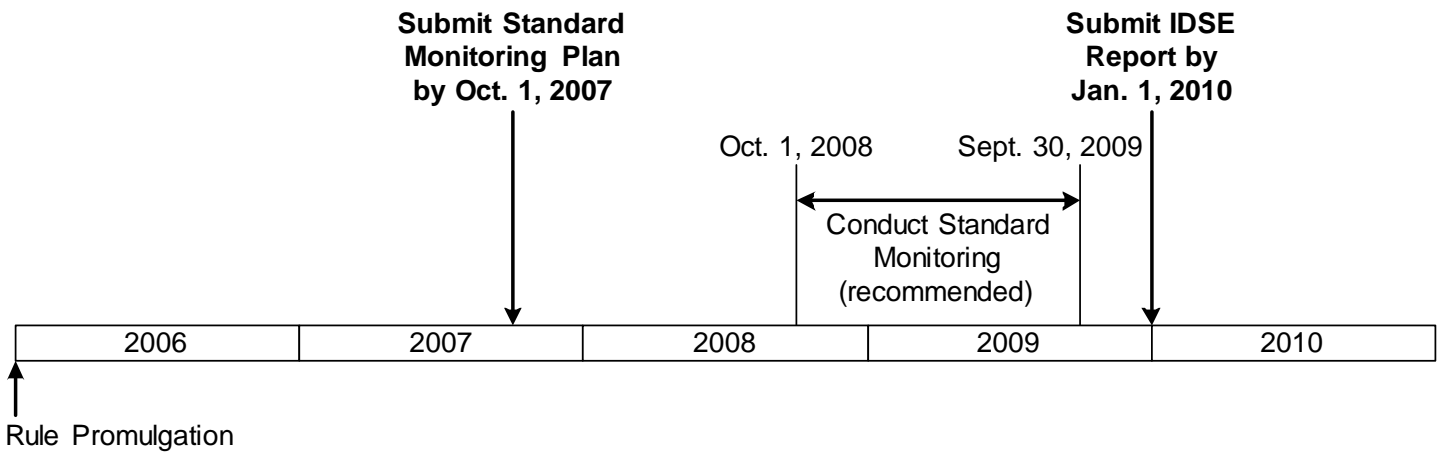
- If you have high levels of DBPs, you may need to make system changes before **October 1, 2012** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2012**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed in the attachment on Pages 2-39 and 2-40.

Standard Monitoring Requirements - Schedule 3

Page 1 of 2



This summary sheet is for systems that serve 10,000-49,999 people OR are part of a combined distribution system where the largest system serves 10,000-49,999 people.

WHAT TO DO NOW:

1. Develop Standard Monitoring Plan

Due: October 1, 2007

- See Chapter 7, Section 7.1.3 for guidance on how to develop your IDSE Standard Monitoring Plan. Your monitoring requirements are also listed on the attachment on Page 2-39.
- Chapter 7 contains plan templates. If you would like an electronic template, see the IDSE Tool:
<http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

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E-mail to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your standard monitoring plan and contact you before October 1, 2008 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start monitoring.

2. Conduct Standard Monitoring

Oct. 1, 2008 - Sept. 30, 2009

Monitoring should be done according to your IDSE Standard Monitoring Plan.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Standard Monitoring Report

Due: January 1, 2010

- See Chapter 7, Section 7.3 for guidance on how to select Stage 2 compliance monitoring sites and write the IDSE report. The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-40.
- **EPA or your state will review your IDSE report and contact you before October 1, 2010** to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to do the following:

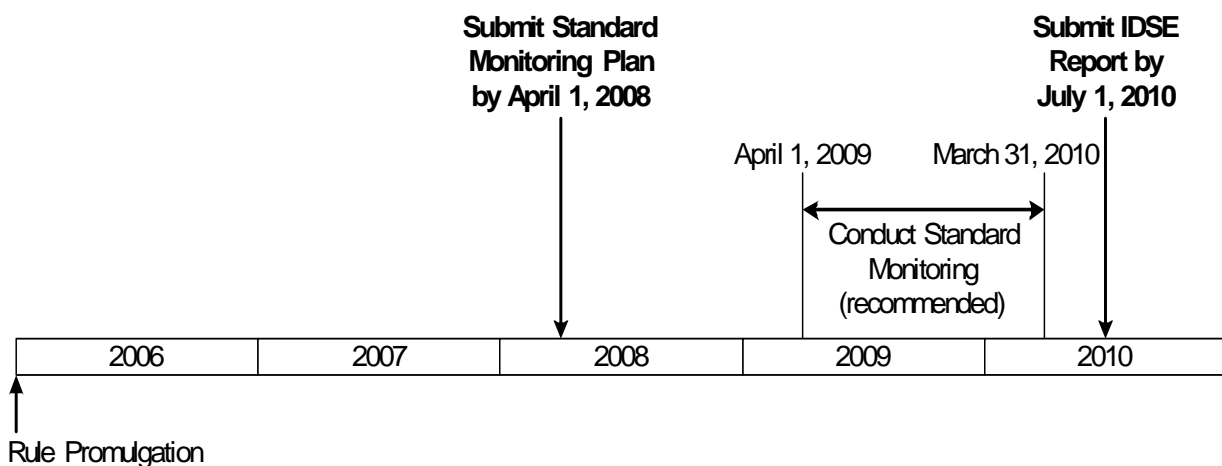
- If you have high levels of DBPs, you may need to make system changes before **October 1, 2013** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2013**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed in the attachment on Pages 2-39 and 2-40.

Standard Monitoring Requirements - Schedule 4

Page 1 of 2



This summary sheet is for systems that serve fewer than 10,000 people OR are part of a combined distribution system where the largest system serves fewer than 10,000 people.

WHAT TO DO NOW:

1. Develop Standard Monitoring Plan

Due: April 1, 2008

- See Chapter 7, Section 7.1.3 for guidance on how to develop your IDSE Standard Monitoring Plan. Your monitoring requirements are also listed on the attachment on Page 2-39.
- Chapter 7 contains plan templates. If you would like an electronic template, see the IDSE Tool:
<http://www.epa.gov/safewater/disinfection/stage2>.



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P O Box 98
Dayton, OH 45401-0098

E-mail to stage2mdbp@epa.gov or submit electronically via the IDSE tool

EPA or your state will review your standard monitoring plan and contact you before April 1, 2009 to either let you know it has been approved or discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start monitoring.

2. Conduct Standard Monitoring

Apr. 1, 2009 - March 31, 2010

Monitoring should be done according to your standard monitoring plan.

WHAT TO DO NOW (cont'd):

3. Select Stage 2 Compliance Monitoring Sites and Develop IDSE Standard Monitoring Report

Due: July 1, 2010

- See Chapter 7, Section 7.3 for guidance on how to select Stage 2 compliance monitoring sites and write the IDSE report. The number of Stage 2 compliance monitoring sites required for your system is listed on the attachment on Page 2-40.
- **EPA or your state will review your IDSE report and contact you before October 1, 2010** to either let you know your Stage 2 compliance monitoring sites and schedule have been approved or to discuss necessary changes. If you do not hear anything by this deadline, consider your plan approved and start preparing for Stage 2 compliance.

4. Continue compliance monitoring for the Stage 1 DBPR until you begin compliance monitoring for the Stage 2 DBPR.

NEXT STEPS:

You will have additional requirements for Stage 2 compliance. Your system will need to do the following:

- If you have high levels of DBPs, you may need to make system changes before **October 1, 2013** to meet the Stage 2 MCLs. If you buy water, see the Consecutive System Guidance Manual for more information.
- Develop a Stage 2 compliance monitoring plan before you take your first compliance sample. If you are a subpart H system and you serve more than 3,300 people, you need to submit your plan to the state.
- Begin annual or quarterly Stage 2 compliance monitoring during the period starting with **October 2013 or October 2014**, according to your Stage 2 compliance monitoring plan.

Reminder:

Your system's monitoring requirements for both the IDSE and Stage 2 compliance monitoring are based on the population of your system and are listed in the attachment on Pages 2-39 and 2-40.

Standard Monitoring Requirements - Attachment (For All Schedules)

IDSE Standard Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Periods and Frequency of Sampling	Distribution System Monitoring Locations ²				
			Total per monitoring period	Near Entry Points	Average Residence Time	High TTHM Locations	High HAA5 Locations
Subpart H	<500 consecutive systems	one (during peak historical month) ³	2	1	.....	1	.....
	<500 non-consecutive systems		2	.....	.....	1	1
	500-3,300 consecutive systems	four (every 90 days)	2	1	.....	1	.....
	500-3,300 non-consecutive systems		2	.....	.....	1	1
	3,301-9,999		4	.....	1	2	1
	10,000-49,999	six (every 60 days)	8	1	2	3	2
	50,000-249,999		16	3	4	5	4
	250,000-999,999		24	4	6	8	6
	1,000,000-4,999,999		32	6	8	10	8
	≥5,000,000		40	8	10	12	10
Ground Water	<500 consecutive systems	one (during peak historical month) ³	2	1	.....	1	.....
	<500 non-consecutive systems		2	.....	.....	1	1
	500-9,999	four (every 90 days)	2	.....	.....	1	1
	10,000-99,999		6	1	1	2	2
	100,000-499,999		8	1	1	3	3
	≥500,000		12	2	2	4	4

¹ Your monitoring requirements (locations and frequency) are based on the population served by your system.

² A dual sample set (i.e., a TTHM and an HAA5 sample) must be taken at each monitoring location during each monitoring period.

³ The peak historical month is the month with the highest TTHM or HAA5 levels or the warmest water temperature.

Standard Monitoring Requirements - Attachment (For All Schedules)

Stage 2 Compliance Monitoring Requirements

Source Water Type	Population Size Category ¹	Monitoring Frequency ²	Distribution System Monitoring Location			
			Total per monitoring period ³	Highest TTHM Locations	Highest HAA5 Locations	Existing Stage 1 DBPR Compliance Locations
Subpart H	<500	per year	2	1	1	.....
	500-3,300	per quarter	2	1	1	.....
	3,301-9,999	per quarter	2	1	1	.....
	10,000-49,999	per quarter	4	2	1	1
	50,000-249,999	per quarter	8	3	3	2
	250,000-999,999	per quarter	12	5	4	3
	1,000,000-4,999,999	per quarter	16	6	6	4
	≥5,000,000	per quarter	20	8	7	5
Ground Water	<500	per year	2	1	1	.....
	500-9,999	per year	2	1	1	.....
	10,000-99,999	per quarter	4	2	1	1
	100,000-499,999	per quarter	6	3	2	1
	≥500,000	per quarter	8	3	3	2

¹ Your monitoring requirements (locations and frequency) are based on the population served by your system.

² All systems must monitor during month of highest DBP concentrations.

³ Systems on quarterly monitoring must take dual sample sets every 90 days at each monitoring location, except for subpart H systems serving 500-3,300. 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. Only one location with a dual sample set per monitoring period is needed if highest TTHM and HAA5 concentrations occur at the same location (and month, if monitored annually).