

5.3 Selecting Stage 2 DBPR Compliance Monitoring Sites and Preparing the IDSE Report

If you submitted your study plan separate from your IDSE report, EPA or your state will review the plan. If EPA or your state does not approve or request modifications to your plan, or notify you that your plan is still under review **within 12 months** after the deadline for plan submission, **you may consider the plan approved**. Follow your approved study plan as you complete SSS monitoring.

Every system that conducts an existing monitoring results SSS **must** use results from their SSS to select Stage 2 DBPR compliance monitoring sites. You must follow a **specific protocol**, as laid out in the Stage 2 DBPR, to evaluate data and select compliance sites unless you decide to recommend alternative Stage 2 compliance monitoring sites to your state or EPA. This section presents the required protocol for selecting Stage 2 DBPR compliance monitoring sites and provides guidance for preparing an IDSE report.

You **must** include all additional monitoring results taken during the period of the SSS and recommended Stage 2 compliance monitoring sites in your IDSE Report.

EPA has developed a form for the IDSE Report for an Existing Monitoring Results SSS which is available electronically as part of the IDSE Tool. The IDSE Tool is available on EPA's website at <http://www.epa.gov/safewater/disinfection/stage2>.



IDSE Tool

Exhibit 5.4 Required Elements of Your IDSE Report for an Existing Monitoring Results SSS

- All additional Stage 1 DBPR monitoring results and other monitoring results generated during the time period of the SSS in tabular or spreadsheet format.
- Recommendations and justifications of Stage 2 DBPR monitoring sites and sampling dates.
- If changed from your approved study plan,
 - Distribution system schematic
 - Population
 - System type (subpart H or ground water).
- An explanation of any deviations from your approved study plan

5.3.1 Selecting Stage 2 DBPR Compliance Monitoring Locations

Section 5.1.4 provided guidance on compiling data for each Stage 1 compliance site and each operational site. These results should have been included in your SSS plan. Calculate the LRAAs for all sites that were monitored since you submitted your SSS plan, including your Stage 1 monitoring sites. If you are submitting your IDSE report at the same time as your SSS plan, you do not need to make additional calculations.

You will be starting with the LRAA results for each monitoring location to select Stage 2 compliance monitoring sites. If you have multiple years of data at the same monitoring location, use the year of data with the highest LRAA for each site. If you monitored at different frequencies at different locations or in different years, consider using your peak historical month data to evaluate your monitoring locations. If you do this, ensure your analysis and resulting recommendation is clear in your justification for each monitoring location. EPA recommends that you use **Worksheet 5.1** to organize your data and select Stage 2 DBPR compliance monitoring sites.

As noted in the worksheet, you must use the **site selection protocol in Exhibit 5.5** to select your Stage 2 compliance monitoring locations. The number of required Stage 2 compliance monitoring sites for your system can be found on the last page of this document. Use qualifying data only as you work through the protocol. If you complete all steps in the protocol and need additional compliance monitoring sites for the Stage 2 DBPR, repeat the protocol until the required number of sites has been selected. If you arrive at Step 3 or Step 7 and have no more Stage 1 DBPR sites from which to select, continue to the next step. Example 5.3 shows how a system uses the protocol to select their Stage 2 compliance monitoring sites.

Additional Factors to Consider During Selection of Stage 2 Compliance Monitoring Sites

You may select alternate sites other than those identified using the protocol, but you **must justify** the alternate locations in your IDSE report.

In general, TTHM and HAA5 LRAAs are the most important factors in site selection. However, the Stage 2 rule allows for some flexibility in this process. As you work through the site selection protocol, you should consider other factors that may lead you to select a site with a similar or slightly lower LRAA. If you do not use your highest TTHM and HAA5 LRAAs to select your Stage 2 compliance monitoring sites, you **must** provide justification for your selection in your IDSE report. The following conditions are possible reasons why you may select a site with a slightly lower LRAA over another site:

- The site provides more complete geographic coverage of the entire distribution system
- The site allows you to maintain a historical record
- Sampling at that site provides the opportunity to collect other water quality or operational data (e.g., chloramine systems may want to collect nitrate or nitrite data at that site)

EPA recognizes that a slight difference between LRAAs measured at two sites may not be meaningful given the normal variability that may occur at a site over time. As a result, the selection of a Stage 2 compliance monitoring site with a slightly lower LRAA may be acceptable if other factors, such as those listed above, favor the site with the lower LRAA. Examples 5.4 and 5.5 illustrate situations in which hypothetical systems might select Stage 2 DBPR compliance monitoring sites using criteria other than the site selection protocol. When two sites have the same LRAA, you should also consider the factors listed above to select the best site for your Stage 2 compliance monitoring.

You may want to discuss additional site characteristics that make the location suitable for Stage 2 compliance monitoring. Some characteristics you might consider including in your justifications are as follows:

- Peak historical month data
- Pipe size, or range of pipe sizes in the area
- Relationship to storage facilities
- Estimated water age, if available
- Source of water (if the distribution system is served by more than one source)

It is possible that EPA or your state may not concur with your justification and may require you to select different Stage 2 compliance monitoring sites.

**Exhibit 5.5 Protocol for Selecting Stage 2 DBPR (Subpart V)
Compliance Monitoring Sites**

Steps¹ [required by rule]		Stage 2 Compliance Monitoring Sites Selected²
1	Select the location with the highest TTHM LRAA	1 st highest TTHM site
2	Select the remaining location with the highest HAA5 LRAA	1 st highest HAA5 site
3	<p><u>For subpart H systems:</u> Select the remaining existing Stage 1 DBPR average residence time compliance monitoring location with the highest HAA5 LRAA</p> <p><u>For ground water systems:</u> Select the remaining existing Stage 1 DBPR maximum residence time compliance monitoring location with the highest HAA5 LRAA</p> <p><i>Skip this step if you have no more Stage 1 DBPR sites</i></p>	1 st Stage 1 DBPR site
4	Select the remaining location with the next highest TTHM LRAA.	2 nd highest TTHM site
5	Select the remaining location with the next highest TTHM LRAA	3 rd highest TTHM site
6	Select the remaining location with the next highest HAA5 LRAA	2 nd highest HAA5 site
7	<p><u>For subpart H systems:</u> Select the remaining existing Stage 1 DBPR average residence time compliance monitoring location with the highest TTHM LRAA</p> <p><u>For ground water systems:</u> Select the remaining existing Stage 1 DBPR maximum residence time compliance monitoring location with the highest TTHM LRAA</p> <p><i>Skip this step if you have no more Stage 1 DBPR</i></p>	2 nd Stage 1 DBPR site
8	Select the remaining location with the next highest HAA5 LRAA	3 rd highest HAA5 site
<p><i>If you need more Stage 2 DBPR compliance monitoring locations, Go back to Step 1 of this protocol and repeat the steps until you have selected the required number of total sites.</i></p>		

1. All steps are based on your calculated LRAAs for your operational sites and Stage 1 DBPR compliance monitoring sites. This means that your existing Stage 1 DBPR sites can be selected in steps *other than* 3 or 7. Stop when you reach your required number of Stage 2 DBPR compliance monitoring sites.
2. You cannot select the same site as a highest TTHM and a highest HAA5 compliance monitoring site.

Example 5.3 Selecting Stage 2 DBPR Compliance Monitoring Sites

A consecutive system serving 15,000 people has completed an existing monitoring results SSS for the IDSE. This system purchases disinfected ground water from a number of ground water systems drawing from the same aquifer. Based on state determination, the system has two Stage 1 DBPR compliance monitoring sites. According to the *last page of* this document, the system must select the following **four**

Stage 2 compliance monitoring sites from operational monitoring and Stage 1 DBPR sites:

- 2 highest TTHM sites,
- 1 highest HAA5 site, and
- 1 maximum residence time site from the existing Stage 1 DBPR data.

The table below lists the maximum TTHM and HAA5 LRAAs for the Stage 1 DBPR compliance monitoring sites and operational monitoring data submitted for the existing monitoring results SSS.

Site Number and Description	Maximum TTHM LRAA (mg/L)	Maximum HAA5 LRAA (mg/L)
Stage 1 DBPR Compliance Monitoring Results:		
1	0.058	0.031
2	0.052	0.046
Operational Monitoring Results:		
3	0.053	0.040
4	0.056	0.032
5	0.051	0.042
6	0.047	0.038
7	0.045	0.036
8	0.049	0.039
9	0.038	0.034
10	0.035	0.026
11	0.021	0.015
12	0.022	0.019

Example 5.3 Selecting Stage 2 DBPR Compliance Monitoring Sites (cont.)

The water system used the site selection protocol in Exhibit 5.5 to select their compliance monitoring sites.

Go to Step 1: Select the Highest TTHM LRAA Site

Site 1 has the highest TTHM LRAA and is selected as the first high TTHM site.

Go to Step 2: Select the Highest HAA5 LRAA Site

Site 2 has the highest HAA5 LRAA and has not already been selected. Therefore, **Site 2** is chosen as the first high HAA5 site.

Go to Step 3: Select the Stage 1 Maximum Residence Time Site with the Highest HAA5 LRAA

There are no remaining Stage 1 sites to select from. **Skip this step and go to Step 4.**

Go to Step 4: Select the Next Highest TTHM LRAA Site

Site 4 has the next highest TTHM LRAA and is therefore chosen as the next highest TTHM site.

Go to Step 5: Select the Next Highest TTHM LRAA Site

Site 3 has the next highest TTHM LRAA and is therefore chosen as the next highest TTHM site.

Final Inventory of Stage 2 DBPR Compliance Monitoring Sites*

Highest TTHM: Site 1, Site 3, Site 4 (3 sites)

Highest HAA5: Site 2 (1 site)

Existing Stage 1 DBPR Site (as described in Step 3): No sites

TOTAL Sites = 4

**Note that the requirements on the previous page are for 2 highest TTHM sites, 1 highest HAA5 site, and 1 maximum residence time site from existing Stage 1 DBPR data. However, because the two Stage 1 DBPR sample sites were the highest TTHM site and the highest HAA5 site, these sites were selected during the first two steps of the selection protocol. As a result, there were no remaining Stage 1 DBPR sites to choose from during Step 3. Step 3 was skipped and the remaining two Stage 2 compliance sites were chosen using Steps 4 and 5. Based on the data collected, the system seems to have chosen its Stage 1 DBPR sites well in terms of sampling at locations with the highest TTHM and HAA5 levels.*

Example 5.4 Maintaining a Historical Record

A ground water system serves 90,000 people and must select four Stage 2 compliance sites. The system has already selected one highest TTHM site, one highest HAA5 site, and one Stage 1 maximum residence time site with the highest HAA5 LRAA. The fourth site to be selected is a high TTHM site which must be selected from the Stage 1 DBPR sites and operational sites not yet selected. The table below lists three remaining high-TTHM sites

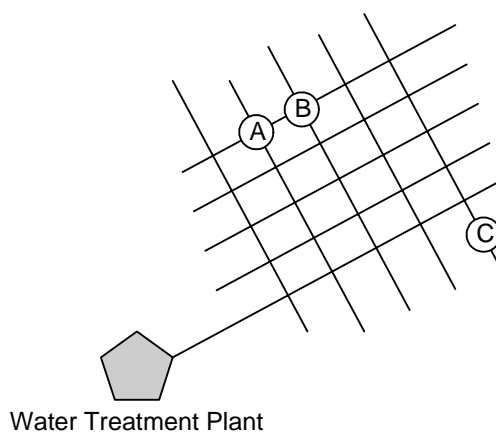
Site Number and Description	LRAA	
	TTHM (mg/L)	HAA5 (mg/L)
4 (operational site)	0.072	0.051
8 (operational site)	0.065	0.056
9 (Stage 1 DBPR max residence time site)	0.070	0.051

Among the three remaining high sites, Site 4 has the highest TTHM LRAA. However, the Stage 1 DBPR site has only slightly lower TTHM LRAA than operational Site 4. The system chooses **the Stage 1 DBPR site over site 4** for the Stage 2 high TTHM site to maintain the historical DBP record at that site.

Example 5.5 Providing Geographic Coverage When Choosing Stage 2 Sites

In general, two representative high TTHM sites should not be located in the same general area of the distribution system. Consider the following example:

The two highest TTHM LRAAs in the distribution system are from adjacent historical sample sites (sites A and B). The site with the third highest TTHM LRAA is on the far side of the distribution system (site C). In this case, consider selecting sites **A and C** or **B and C** as Stage 2 sites for a broader geographical coverage of the distribution system.



5.3.2 Determining Your Stage 2 DBPR Compliance Monitoring Dates

The first step in selecting your Stage 2 DBPR compliance monitoring dates is to select the peak historical month. According to the Stage 2 DBPR, you must conduct Stage 2 DBPR compliance monitoring during the peak historical month for TTHM or HAA5. You should use the peak historical month selected in your SSS plan unless new data suggest another month. If your high TTHM and high HAA5 data occur in different months, you should consider which contaminant is of more concern. If one contaminant clearly shows a higher overall trend and is closer to the MCL, you should choose the month in which that contaminant is highest.

You **must** conduct Stage 2 DBPR compliance monitoring during the peak historical month. If you are a ground water system that serves more than 9,999 people or you are a surface water system that serves more than 499 people, you must also conduct Stage 2 compliance sampling at 90 day intervals before and/or after the peak historical month.

The intent of the required time interval is to ensure that samples are representative of the quality of water over an extended period and do not over-emphasize either high or low concentrations of TTHM or HAA5 that might occur seasonally. For example, a system on quarterly monitoring could sample in the **third full week of every third month**. It is not necessary to sample all sites on the same day.

5.3.3 Preparing the IDSE Report

Every system that conducts an SSS for Existing Monitoring **must** prepare and submit an IDSE Report for an Existing Monitoring Results SSS.

EPA has developed a form for the **IDSE Report for an Existing Monitoring SSS (Form 3)**, presented in this section and available electronically as part of the **IDSE Tool**. You are not required to use this form; however, if you choose not to use it, refer to Exhibit 5.4 for a list of the minimum elements you must include in your IDSE report.

The IDSE Tool creates a custom form for your system and provides links to technical guidance from this manual. The tool is available on EPA's website at <http://www.epa.gov/safewater/disinfection/stage2>.



Before you begin Stage 2 DBPR compliance monitoring, you will also be required to prepare a Stage 2 DBPR compliance monitoring plan. In addition, if you are a subpart H system serving >3,300 people, you must submit a copy of your Stage 2 compliance monitoring plan to the state. If you include **compliance calculation procedures** in your IDSE report, the report can

meet the requirement of the plan, and you do not have to prepare or submit a separate plan. As a guide for specifying your compliance calculation procedures, refer to the Stage 1 DBPR, 141.133(b), and your Stage 1 compliance monitoring plan. Check with your state, as they may have different requirements under the Stage 2 DBPR. If you are a consecutive or wholesale system, your state may choose to use its special primacy authority to modify your Stage 2 compliance monitoring requirements. In this case, you should check with the state to see if they are going to use this authority. You should develop your IDSE report for the total number of required Stage 2 compliance locations for your system.

The IDSE report for an Existing Monitoring Results SSS form includes the following sections:

- I. General Information
- II. Stage 2 DBPR Requirements**
- III. Additional SSS and Stage 1 Compliance Monitoring Results
- IV. Justification of Stage 2 DBPR Compliance Monitoring Sites**
- V. Peak Historical Month**
- VI. Proposed Stage 2 Compliance Monitoring Schedule**
- VII. Distribution System Schematic
- VIII. Attachments

If you are submitting an SSS plan and IDSE report at the same time, you must submit the portions listed in bold above. The rest of this section provides guidance on the completion of this form.

I. General Information

- I.A. PWS Information* - If nothing has changed since you completed your modeling study plan, copy information from your plan into this section. If your system characteristics have changed, see Section 5.2 of this chapter for guidance on completing this section.
- I.B. Date Submitted* - Enter either the date that you are submitting the form electronically, putting it in the mailbox, or dropping it off with an express delivery service. Be sure to submit your IDSE report before the deadline found on your requirements summary sheet.
- I.C. PWS Operations - This section asks questions about your system to help inform EPA and state personnel during the plan review process. If nothing has changed since you completed your modeling study, copy information from your plan into this section. If your system characteristics have changed, see Section 5.2 of this chapter for guidance on completing this section.

- I.D. Contact Person* - Enter the contact information of the person who is submitting the report. This should be the person who will be available to answer questions from EPA and/or the state reviewers.

II. Stage 2 DBPR Requirements*

- II.A. Number of Required Stage 2 DBPR Compliance Monitoring Sites - Refer to the last page of this document. Copy the numbers from the “Stage 2 Compliance Monitoring Requirements” table that correspond to your source type and the population served by your system.
- II.B. IDSE Schedule - This should be the same schedule you entered for your modeling study plan. See Section 5.2 of this chapter for guidance.
- II.C. Required Stage 2 DBPR Compliance Monitoring Frequency - Refer to the last page of this document. Locate the monitoring frequency from the “Stage 2 Compliance Monitoring Requirements” table that corresponds to your source type and the population served by your system. Put a check mark in the box corresponding to that monitoring frequency.

III. Additional SSS and Stage 1 Compliance Monitoring Results*

Skip this section if you are submitting your IDSE Report at the same time as your SSS plan. If you are submitting additional data with your IDSE report, complete this section. See the instructions for Form 2 part IV in Section 5.2 of this guidance manual..

IV. Justification of Stage 2 DBPR Compliance Monitoring Sites*

Enter the site ID from the distribution schematic and the site type (whether it is highest TTHM, highest HAA5, Stage 1 DBPR, or a site selected using criteria other than the site selection protocol). An example of how you might justify a site is given below. For example:

2nd Highest TTHM Site

An example of how you might justify a site that was *not* selected using the protocol is below:

Among the three remaining high TTHM sites, operational Site 4 has the highest TTHM LRAA. However, Stage 1 DBPR Site 7 has only a slightly lower TTHM LRAA than operational Site 4. Therefore, we choose Stage 1 DBPR Site 7 over operational site 4 to maintain the historical DBP record.

Note that there is only space for 8 monitoring sites on this sheet. If you are a subpart H system serving more than 249,999 people you are required to monitor at more than 8 sites. Therefore, you will need to attach additional sheets.

V. Peak Historical Month

V.A. Peak Historical Month* - Enter the month that you determined to be your peak historical month for TTHM or HAA5.

V.B. Is Your Peak Historical Month the Same as in Your System Specific Study Plan?
- Put a check mark in the appropriate box to identify whether your system used the same peak historical month as in your SSS plan. If you selected a new peak historical month based on additional monitoring or other data, explain the basis for your selection here.

VI. Proposed Stage 2 DBPR Compliance Monitoring Schedule*

Enter the ID for each Stage 2 DBPR compliance monitoring site in the table (verify that these match the IDs you enter in Section IV and on your schematic). Enter your proposed sampling schedule for the number of monitoring periods identified in Section II.C. The entry can be a specific date or week and can be in a number of different formats. For example:

- 2nd Tuesday in Nov
- 2nd week in Nov

Remember that at least one monitoring period must be during the peak historical month identified in Section V.A. Note that there is only space for 8 monitoring sites on this sheet. If you are a subpart H system serving more than 249,999 people you are required to monitor at more than 8 sites. Therefore, you will need to attach additional sheets.

VII. Distribution System Schematic*

If you are submitting an IDSE report at the same time as your SSS plan, skip this section.

A distribution system schematic is required *only if it has changed from your SSS plan*. If it has changed, you must attach a distribution system schematic. See Section 5.2 of this manual for guidance.

VIII. Attachments - Put a check mark in each of the boxes corresponding to any attachments that you have included in your report.

Note that there is only space for 8 Stage 2 DBPR compliance monitoring sites and monitoring schedule in Sections IV and VI. If you are a subpart H system serving more than 249,999 people, you are required to monitor at more than 8 sites. Therefore, you will need to attach additional sheets.

Note that a schematic is required only if it has changed from your approved SSS study plan.

If you deviated from your approved study plan, you must attach an explanation of all deviations.

If you submit your IDSE report electronically, you also have the option to submit attachments in hard copy. Include a note in your electronic IDSE report explaining that attachments are being submitted in hard copy, and mail the hard copy to the IPMC mailing address in your Requirements Summary Sheet. The IPMC will match the hard copy submission with your electronic submission when it is received.

If you are a subpart H system serving >3,300 people, you must submit a copy of your Stage 2 compliance monitoring plan to the state. If you include **compliance calculation procedures** in your IDSE report, the report can meet the requirement of the plan, and you do not have to prepare or submit a separate plan. As a guide for specifying your compliance calculation procedures, refer to the Stage 1 DBPR, 141.133(b), and your Stage 1 compliance monitoring plan. Check with your state, as they may have different requirements under the Stage 2 DBPR.

Enter the total number of pages in your IDSE report (including attachments) in the blank at the bottom of this section. This will allow EPA or your state to ensure that all pages were received.

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Form 3: IDSE Report for an Existing Monitoring Results SSS

Page 1 of 7

I. GENERAL INFORMATION

(Skip this section if you are submitting the plan and report at the same time)

A. PWS Information*

PWSID: _____

PWS Name: _____

PWS Address: _____

City: _____ State: _____ Zip: _____

Population Served: _____

B. Date Submitted*

System Type: <input type="checkbox"/> CWS <input type="checkbox"/> NTNCWS	Source Water Type: <input type="checkbox"/> Subpart H <input type="checkbox"/> Ground	Buying / Selling Relationships: <input type="checkbox"/> Consecutive System <input type="checkbox"/> Wholesale System <input type="checkbox"/> Neither
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C. PWS Operations

Residual Disinfectant Type: Chlorine Chloramines Other _____

Number of Disinfected Sources: ___ Surface ___ GWUDI ___ Ground ___ Purchased

D. Contact Person*

Name: _____

Title: _____

Phone #: _____ Fax #: _____

E-mail: _____

II. STAGE 2 DBPR REQUIREMENTS*

A. Number of Required Stage 2 DBPR Compliance Monitoring Sites _____ TOTAL

_____ Highest TTHM _____ Stage 1 DBPR _____ Highest HAA5

Form 3: IDSE Report for an Existing Monitoring Results SSS

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II. STAGE 2 DBPR REQUIREMENTS (continued)*

B. IDSE Schedule

- Schedule 1
- Schedule 2
- Schedule 3
- Schedule 4

C. Required Stage 2 DBPR Compliance Monitoring Frequency

- During peak historical month (1 monitoring period)
- Every 90 days (4 monitoring periods)

III. ADDITIONAL SSS AND STAGE 1 COMPLIANCE MONITORING RESULTS*

(Skip this section if you are submitting the plan and report at the same time)

A. Where were your TTHM and HAA5 samples analyzed?

- In-House

Is your in-house laboratory certified?

Yes No

- Certified Laboratory

Name of certified laboratory: _____

B. What method(s) was used to analyze your TTHM and HAA5 samples?

- | TTHM | HAA5 |
|------------------------------------|------------------------------------|
| <input type="checkbox"/> EPA 502.2 | <input type="checkbox"/> EPA 552.1 |
| <input type="checkbox"/> EPA 524.2 | <input type="checkbox"/> EPA 552.2 |
| <input type="checkbox"/> EPA 551.1 | <input type="checkbox"/> EPA 552.3 |
| | <input type="checkbox"/> SM 6251 B |

Form 3: IDSE Report for an Existing Monitoring Results SSS

III. ADDITIONAL SSS AND STAGE 1 DBPR MONITORING RESULTS (Continued)*

C. TTHM Results

Site ID ¹	12-month period	Data Qualifies (yes/no)	Data Type	TTHM (mg/L)						LRAA
			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							

¹ Verify that site IDs match the site IDs in your SSS Plan.

Attach additional sheets as needed for SSS and Stage 1 DBPR results.

Form 3: IDSE Report for an Existing Monitoring Results SSS

III. ADDITIONAL SSS AND STAGE 1 DBPR MONITORING RESULTS (Continued)*

D. HAA5 Results

Site ID ¹	12-month period	Data Qualifies (yes/no)	Data Type	HAA5 (mg/L)						LRAA
			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							

¹ Verify that site IDs match the site IDs in your SSS Plan.

Attach additional sheets as needed for SSS and Stage 1 DBPR results.

Form 3: IDSE Report for an Existing Monitoring Results SSS

IV. JUSTIFICATION OF STAGE 2 DBPR COMPLIANCE MONITORING SITES*

Stage 2 Compliance Monitoring Site ID	Site Type	Justification
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	
	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	

Attach additional copies of this sheet if you need more room.

Form 3: IDSE Report for an Existing Monitoring Results SSS

V. PEAK HISTORICAL MONTH

A. Peak Historical Month* _____

B. Is Your Peak Historical Month the Same as in Your SSS Plan?

Yes No

If no, explain how you selected your new peak historical month (*attach additional sheets if needed*):

VI. PROPOSED STAGE 2 DBPR COMPLIANCE MONITORING SCHEDULE*

Stage 2 Compliance Monitoring Site ID	Projected Sampling Date (date or week) ¹			
	period 1	period 2	period 3	period 4

¹ period = monitoring period. Complete for the number of monitoring periods from Section II.C.

Attach additional copies of this sheet if you need more room.

Form 3: IDSE Report for an Existing Monitoring Results SSS

Page 7 of 7

VII. DISTRIBUTION SYSTEM SCHEMATIC*

(Skip this section if you are submitting the plan and report at the same time)

ATTACH a schematic of your distribution system if it has changed since you submitted your Existing Monitoring Results SSS Plan (Form 2).

VIII. ATTACHMENTS

- Additional sheets for Additional SSS Monitoring Results (Section III).
- Additional sheets for Stage 2 DBPR Monitoring Sites (Section IV). **REQUIRED if you are a subpart H system serving more than 249,999 people.**
- Additional sheets for explaining how you selected the peak historical month (Section V).
- Additional sheets for proposed compliance monitoring dates (Section VI). **REQUIRED if you are a subpart H system serving more than 249,999 people.**
- Explanation of deviations from approved study plan.
- Distribution system schematic* (Section VII). **REQUIRED if it has changed from your approved SSS plan.**
- Compliance calculation procedures (for Stage 2 Compliance Monitoring Plan).

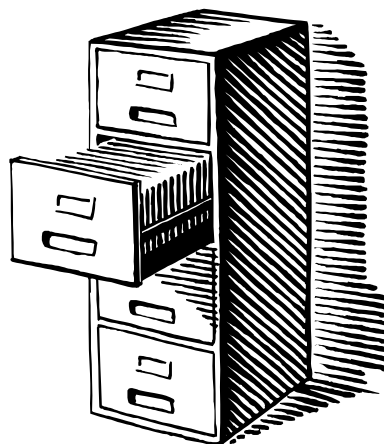
Total Number of Pages in Your Report: _____

Note: Fields with an asterisk(*) are required by the Stage 2 DBPR.

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5.4 Recordkeeping

The IDSE SSS report must be kept on file for **10 years** after the date it is submitted. If EPA or your state modifies the recommendations made in your report or approves alternative Stage 2 DBPR compliance monitoring locations, you must also keep a copy of EPA or your state's notification on file for 10 years after the date of the notification. You must make your IDSE report and any notification available for review by your state or the public.



The SSS plan, including any modifications by EPA or your state, must also be kept on file for as long as you are required to retain your IDSE SSS report. You must make the plan and any modifications available for review by your state or the public.

5.5 Next Steps: Preparing the Stage 2 DBPR Compliance Monitoring Plan

As the final step before you can begin compliance monitoring for the Stage 2 DBPR, you must develop and implement a **Stage 2 DBPR monitoring plan** by the deadline provided in your requirements summary sheet. The plan will be similar to your Stage 1 DBPR monitoring plan in that it will identify how you intend to sample for compliance with Stage 2. You must keep your plan on file for state and public review. If you are a subpart H system serving > 3,300 people, you **must** submit your plan to EPA or your state prior to when you are required to start monitoring.

Exhibit 5.6 contains the minimum requirements for what must be included in your Stage 2 DBPR compliance monitoring plan. Because compliance monitoring plans are not addressed as part of the IDSE provisions of the Stage 2 DBPR, ***EPA has not included detailed guidance for developing Stage 2 compliance monitoring plans in this guidance manual.*** EPA plans to develop other manuals and training that address the compliance monitoring provisions of the Stage 2 DBPR.

See EPA's website <http://www.epa.gov/safewater/disinfection/stage2> for an up-to-date inventory of Stage 2 DBPR guidance manuals and training materials, or call the Safe Drinking Water Hotline at 1-800-426-4791.

Exhibit 5.6 Required Contents of Stage 2 DBPR Compliance Monitoring Plans

All Systems	Additional Requirements for Consecutive and Wholesale Systems ¹
<ul style="list-style-type: none">• Monitoring locations• Monitoring dates• Compliance calculation procedures	<ul style="list-style-type: none">• If your state has used its special primacy authority to modify your monitoring requirements, you must include monitoring plans for other systems in your combined distribution system

1. See Appendix D of this manual for guidance specifically for consecutive and wholesale systems

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).