

Form 7: IDSE Report for Standard Monitoring

I. GENERAL INFORMATION

A. PWS Information*

B. Date Submitted* Dec 1, 2008

PWSID: US1111111

PWS Name: Elm City

PWS Address: 1234 Main Street

City: Elm City State: US Zip: 99999

Population Served 160,000

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

C. PWS Operations

Residual Disinfectant Type: Chlorine Chloramines Other: _____

Number of Disinfected Sources: 2 Surface GWUDI Ground Purchased

D. Contact Person*

Name: Mr. Ronald Doe, P.E.

Title: Water Superintendent

Phone #: 123-555-0000 Fax #: 123-555-0001

E-mail: Rdoe@ci.elmcity.us

II. STAGE 2 DBPR REQUIREMENTS*

A. Number of Compliance Monitoring Sites	B. Schedule	C. Compliance Monitoring Frequency
Highest TTHM: <u>3</u>	<input checked="" type="checkbox"/> Schedule 1	<input type="checkbox"/> During peak historical month (1 monitoring period)
Highest HAA5: <u>3</u>	<input type="checkbox"/> Schedule 2	
Existing Stage 1: <u>2</u>	<input type="checkbox"/> Schedule 3	<input checked="" type="checkbox"/> Every 90 days (4 monitoring periods)
Total: <u>8</u>	<input type="checkbox"/> Schedule 4	

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III. MONITORING RESULTS*

- A. Did you deviate in any way from your approved standard monitoring plan?** Yes No

If YES, explain (attach additional pages if necessary):

The IDSE Monitoring Plan indicated samples should be taken during the second week of March, 2008. Our sampler was very ill this week and could not collect all of the standard monitoring samples. He collected all remaining samples on Monday and Tuesday of the next week.

- B. Where were your TTHM and HAA5 samples analyzed?**

In-House

Is your in-house laboratory certified? Yes No

Certified Laboratory

Name of certified laboratory: _____

- C. 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 checked="" type="checkbox"/> EPA 551.1	<input checked="" type="checkbox"/> EPA 552.3
	<input type="checkbox"/> SM 6251 B

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III. MONITORING RESULTS (Continued)*

D. IDSE Standard Monitoring Results - TTHM

Site ID ¹	Data Type	TTHM (mg/L)						LRAA
		11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
Standard Monitoring #1	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.022	0.016	0.028	0.036	0.037	0.030	0.028
Standard Monitoring #2	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.031	0.027	0.035	0.031	0.039	0.030	0.032
Standard Monitoring #3	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.042	0.033	0.039	0.040	0.048	0.045	0.041
Standard Monitoring #4	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.048	0.041	0.047	0.055	0.056	0.043	0.048
Standard Monitoring #5	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.025	0.023	0.042	0.048	0.049	0.035	0.037
Standard Monitoring #6	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.033	0.017	0.041	0.050	0.058	0.045	0.041
Standard Monitoring #7	Sample Date	11/13/07	1/9/08	3/17/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.044	0.026	0.056	0.052	0.070	0.042	0.048
Standard Monitoring #8	Sample Date	11/13/07	1/9/08	3/17/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.040	0.035	0.050	0.064	0.064	0.052	0.051

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

Attach additional sheets as needed for IDSE standard monitoring results.

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III. MONITORING RESULTS (Continued)*

E. IDSE Standard Monitoring Results - HAA5

Site ID ¹	Data Type	HAA5 (mg/L)						LRAA
		11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
Standard Monitoring #1	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.030	0.028	0.032	0.027	0.033	0.026	0.029
Standard Monitoring #2	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.025	0.026	0.022	0.034	0.030	0.021	0.026
Standard Monitoring #3	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.041	0.030	0.022	0.029	0.036	0.040	0.033
Standard Monitoring #4	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.027	0.019	0.020	0.025	0.025	0.029	0.024
Standard Monitoring #5	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.040	0.028	0.023	0.056	0.040	0.052	0.040
Standard Monitoring #6	Sample Date	11/13/07	1/9/08	3/14/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.029	0.019	0.014	0.020	0.021	0.023	0.021
Standard Monitoring #7	Sample Date	11/13/07	1/9/08	3/17/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.062	0.035	0.055	0.052	0.052	0.063	0.053
Standard Monitoring #8	Sample Date	11/13/07	1/9/08	3/17/08	5/13/08	7/10/08	9/9/08	
	Sample Result	0.049	0.047	0.050	0.059	0.058	0.050	0.052

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

Attach additional sheets as needed for IDSE standard monitoring results.

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III. MONITORING RESULTS (Continued)*

F. Stage 1 DBPR Compliance Monitoring Results - TTHM

Site ID ¹	Data Type	TTHM (mg/L)				LRAA
		10/10/07	1/7/08	4/7/08	7/8/08	
Stage 1 #1 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.062	0.045	0.034	0.056	0.049
Stage 1 #2 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.045	0.036	0.042	0.045	0.042
Stage 1 #3 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.048	0.032	0.034	0.067	0.045
Stage 1 #4 (max. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.056	0.042	0.057	0.076	0.058
Stage 1 #5 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.042	0.044	0.020	0.062	0.042
Stage 1 #6 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.039	0.046	0.049	0.050	0.046
Stage 1 #7 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.050	0.041	0.022	0.059	0.043
Stage 1 #8 (max. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.060	0.065	0.050	0.073	0.062

¹ Verify that site IDs for Stage 1 compliance monitoring sites match the site IDs in your Standard Monitoring Plan.

Attach additional sheets as needed for Stage 1 compliance monitoring results.

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III. MONITORING RESULTS (Continued)*

G. Stage 1 DBPR Compliance Monitoring Results - HAA5

Site ID ¹	Data Type	HAA5 (mg/L)				LRAA
Stage 1 #1 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.045	0.024	0.032	0.043	0.036
Stage 1 #2 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.056	0.047	0.050	0.055	0.052
Stage 1 #3 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.049	0.032	0.062	0.045	0.047
Stage 1 #4 (max. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.028	0.021	0.025	0.026	0.025
Stage 1 #5 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.041	0.034	0.045	0.033	0.038
Stage 1 #6 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.041	0.022	0.030	0.039	0.033
Stage 1 #7 (avg. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.058	0.048	0.046	0.064	0.054
Stage 1 #8 (max. res. time)	Sample Date	10/10/07	1/7/08	4/7/08	7/8/08	
	Sample Result	0.030	0.019	0.022	0.037	0.027

¹ Verify that site IDs for Stage 1 compliance monitoring sites match the site IDs in your Standard Monitoring Plan.

Attach additional sheets as needed for Stage 1 compliance monitoring results.

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IV. JUSTIFICATION OF STAGE 2 DBPR COMPLIANCE MONITORING SITES*

Stage 2 Compliance Monitoring Site ID	Site Type	Justification
Standard Monitoring #13	<input checked="" type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	This site had the highest TTHM LRAA among all the sites.
Standard Monitoring #10	<input type="checkbox"/> Highest TTHM <input checked="" type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	This site had the highest HAA5 LRAA (and was not selected as the highest TTHM site)
Stage 1 #7	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input checked="" type="checkbox"/> Stage 1 DBPR	Among the Stage 1 DBPR compliance monitoring locations with average water residence time, this site had the highest HAA5 LRAA
Stage 1 #8	<input checked="" type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	This site had the second highest TTHM LRAA
Standard Monitoring #14	<input checked="" type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	This site had the third highest TTHM LRAA
Standard Monitoring # 7	<input type="checkbox"/> Highest TTHM <input checked="" type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	This site had the second highest HAA5 LRAA
Stage 1 #1	<input type="checkbox"/> Highest TTHM <input type="checkbox"/> Highest HAA5 <input checked="" type="checkbox"/> Stage 1 DBPR	Among the Stage 1 DBPR compliance monitoring locations with average water residence time, this site had the highest TTHM LRAA. Stage 1 DBPR site #4 had higher TTHM LRAAs but is maximum residence time site, therefore, it was not chosen.
Stage 1 # 2	<input type="checkbox"/> Highest TTHM <input checked="" type="checkbox"/> Highest HAA5 <input type="checkbox"/> Stage 1 DBPR	This site had the third highest HAA5 LRAA. Standard Monitoring Site #8 had the same LRAA, but we chose to use Stage 1 site #2 to maintain a historical record.

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

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V. PEAK HISTORICAL MONTH AND PROPOSED STAGE 2 DBPR COMPLIANCE MONITORING SCHEDULE

A. Peak Historical Month* July

B. Is Your Peak Historical Month the Same as in Your IDSE Standard Monitoring Plan?

Yes No

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

C. 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
SM # 13	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
SM # 10	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
Stage 1 # 7	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
Stage 1 # 8	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
SM #14	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
SM # 7	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
Stage 1 # 1	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct
Stage 1 # 2	wk 2 Jan	wk 2 April	wk 2 July	wk 2 Oct

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.

VI. DISTRIBUTION SYSTEM SCHEMATIC*

ATTACH a schematic of your distribution system if it has changed since you submitted your Standard Monitoring Plan (Form 6).

VII. ATTACHMENTS

- Additional sheets for explaining how and why you deviated from your standard monitoring plan (Section III).
- Additional sheets for Standard Monitoring Results (Section III). **REQUIRED** if you are a subpart H system serving **more than 49,999 people** or a ground water system serving **more than 499,999 people**.
- Additional sheets for Stage 2 DBPR Compliance 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 Stage 2 DBPR peak historical month and compliance monitoring schedule (Section V). **REQUIRED** if you are a subpart H system serving **more than 249,999 people**.
- Distribution system schematic* (Section VI). **REQUIRED** if it has changed from **your approved IDSE standard monitoring plan**.
- Compliance calculation procedures (for Stage 2 Compliance Monitoring Plan).

Total Number of Pages in Your Report: _11_____

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

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Attachment #1

III. MONITORING RESULTS (Continued)*

D. IDSE Standard Monitoring Results - TTHM

Site ID ¹	Data Type	TTHM (mg/L)						LRAA
Standard Monitoring #9	Sample Date	11/14/07	1/10/08	3/17/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.047	0.033	0.049	0.052	0.062	0.037	0.047
Standard Monitoring #10	Sample Date	11/14/07	1/10/08	3/17/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.022	0.020	0.051	0.050	0.052	0.042	0.040
Standard Monitoring #11	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.045	0.025	0.062	0.060	0.060	0.064	0.053
Standard Monitoring #12	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.061	0.042	0.056	0.050	0.068	0.051	0.055
Standard Monitoring #13	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.072	0.032	0.065	0.070	0.085	0.071	0.066
Standard Monitoring #14	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.055	0.033	0.068	0.062	0.080	0.062	0.060
Standard Monitoring #15	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.052	0.036	0.048	0.056	0.070	0.065	0.055
Standard Monitoring #16	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.055	0.031	0.072	0.049	0.068	0.069	0.057

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

Attach additional sheets as needed for IDSE standard monitoring results.

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Attachment #2

III. MONITORING RESULTS (Continued)*

E. IDSE Standard Monitoring Results - HAA5

Site ID ¹	Data Type	HAA5 (mg/L)						LRAA
Standard Monitoring #9	Sample Date	11/14/07	1/10/08	3/17/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.040	0.034	0.045	0.058	0.065	0.048	0.048
Standard Monitoring #10	Sample Date	11/14/07	1/10/08	3/17/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.067	0.058	0.056	0.044	0.065	0.050	0.057
Standard Monitoring #11	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.033	0.030	0.042	0.040	0.046	0.038	0.038
Standard Monitoring #12	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.028	0.028	0.039	0.045	0.040	0.033	0.036
Standard Monitoring #13	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.039	0.033	0.041	0.039	0.062	0.045	0.043
Standard Monitoring #14	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.034	0.031	0.042	0.030	0.058	0.038	0.039
Standard Monitoring #15	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.034	0.028	0.028	0.040	0.054	0.038	0.037
Standard Monitoring #16	Sample Date	11/14/07	1/10/08	3/18/08	5/14/08	7/9/08	9/10/08	
	Sample Result	0.034	0.025	0.046	0.048	0.038	0.028	0.037

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

Attach additional sheets as needed for IDSE standard monitoring results.