Appendix D

Chapter 10: Disinfectants and Disinfection Byproduct Rule

Operational Evaluation Level Forms

- Additional OEL Information
- Operational Evaluation Level Forms

Operational Evaluation Report Source Water Checklist Treatment Process Evaluation Checklist Distributional System Evaluation Checklist

Systems are required to complete all of the following forms if they exceed the OEL. If your water system exceeds the OEL, you must conduct an operational evaluation and submit a written report of the evaluation to the Illinois EPA no later than 90 days after being notified of the analytical result that causes it to exceed the OEL. A water system may request to limit the scope of their evaluation if they are able to identify the cause of the operational evaluation level exceedence.

Operati	Operational Evaluation Reporting Form						
I. GENER		MATION					
A. Facility I	nformation						
Facility Nar	ne: Vi	llage of Mt. Zion		PWSID: IL	.1150350		
Facility Add	dress: 14	00 Mt Zion Parkw	/ay				
City:	M	t. Zion		State: I	L Zip: 62549		
B. Report F	B. Report Prepared by:						
(Print):		uzicky, P.E.		Date prepared:	10/22/24		
(Signature)	. Miha	l A. Byit					
		Contact Telep	hone Number: 2	17-403-3373			
II. MONIT	ORING RE	SULTS					
A. Provide	the Complia	nce Monitoring Site	(s) where the OEL	was Exceeded.			
S2HT1							
Note: The	e site name or	r number should corre	spond to a site in yo	our Stage 2 DBPR	compliance monitoring plan.		
	ng Results fo eedance)	or the Site(s) Identif	fied in II.A (include	duplicate pages	if there was more than		
	,	HAA5 to indicate wh	nich result caused	the OEL			
 Check TTHM or HAA5 to indicate which result caused the OEL TTHM HAA5 exceedance. 							
evcee	suance.						
		s for TTHM or HAA5	5 (whichever you c				
			5 (whichever you c Quarter		Operational		
		s for TTHM or HAA5 Results from Two Quarters	Quarter Prior Quarter's	hecked above). Current	Operational Evaluation Value		
		Results from Two Quarters Ago	Quarter Prior Quarter's Results	hecked above). Current Quarter	Evaluation Value		
2. Enter	your results	Results from Two Quarters	Quarter Prior Quarter's	hecked above). Current			
2. Enter	your results	Results from Two Quarters Ago	Quarter Prior Quarter's Results	hecked above). Current Quarter	Evaluation Value		
2. Enter	mple was	Results from Two Quarters Ago A	Quarter Prior Quarter's Results B	hecked above). Current Quarter C	Evaluation Value		
2. Enter	mple was d mg/L)	Results from Two Quarters Ago A 2/14/24	Quarter Prior Quarter's Results B 5/20/24	hecked above). Current Quarter C 8/21/24	Evaluation Value D = (A+B+(2*C))/4		
2. Enter Date sat collected TTHM (I HAA5 (r Note: <i>Th</i> <i>values p</i>	mple was d mg/L) mg/L) lus twice the o	Results from Two Quarters Ago A 2/14/24 0.111 0.0472 evaluation value is ca	Quarter Prior Quarter's Results B 5/20/24 0.0461 0.0111 alculated by summing divided by four. If the summing divided by four.	hecked above). Current Quarter C 8/21/24 0.109 0.0338 g the two previous	Evaluation Value D = (A+B+(2*C))/4 0.094		
2. Enter Date sat collected TTHM (f HAA5 (r Note: Th values pu mg/L for	mple was d mg/L) mg/L) e operational lus twice the o HAA5, an OE	Results from Two Quarters Ago A 2/14/24 0.111 0.0472	Quarter Prior Quarter's Results B 5/20/24 0.0461 0.0111 alculated by summing divided by four. If the courred.	hecked above). Current Quarter C 8/21/24 0.109 0.0338 g the two previous he value exceeds 0	Evaluation Value D = (A+B+(2*C))/4 0.094 0.0315 quarters of TTHM or HAA5		
2. Enter Date sat collected TTHM (r HAA5 (r Note: Th values pt mg/L for C. Has an 0	mple was d mg/L) mg/L) ve operational lus twice the of HAA5, an OE OEL exceed	Results from Two Quarters Ago A 2/14/24 0.111 0.0472 evaluation value is ca current quarter value, EL exceedance has or	Quarter Prior Quarter's Results B 5/20/24 0.0461 0.0111 alculated by summing divided by four. If the courred. his location in the p	hecked above). Current Quarter C 8/21/24 0.109 0.0338 g the two previous he value exceeds 0	Evaluation Value D = (A+B+(2*C))/4 0.094 0.0315 quarters of TTHM or HAA5 0.080 mg/L for TTHM or 0.060		
2. Enter Date sa collected TTHM (i HAA5 (r Note: Th values pi mg/L for C. Has an 0 If YES	mple was d mg/L) mg/L) ie operational lus twice the of HAA5, an OE OEL exceed , when did o	Results from Two Quarters Ago A 2/14/24 0.111 0.0472 evaluation value is ca current quarter value, EL exceedance has on lance occurred at the	Quarter Prior Quarter's Results B 5/20/24 0.0461 0.0111 alculated by summing divided by four. If the courred. his location in the p ?	hecked above). Current Quarter C 8/21/24 0.109 0.0338 g the two previous he value exceeds 0 past?	Evaluation Value D = (A+B+(2*C))/4 0.094 0.0315 quarters of TTHM or HAA5 0.080 mg/L for TTHM or 0.060		
2. Enter Date sat collected TTHM (I HAA5 (r Note: Th values pu mg/L for C. Has an O If YES Was th	mple was d mg/L) mg/L) of <i>operational</i> <i>lus twice the of</i> <i>HAA5, an OE</i> OEL exceed c , when did of <i>c</i> cause det of previous exp	Results from Two Quarters Ago A 2/14/24 0.111 0.0472 evaluation value is ca current quarter value, EL exceedance has out lance occurred at the exceedance occur	Quarter Prior Quarter's Results B 5/20/24 0.0461 0.0111 alculated by summing divided by four. If the courred. his location in the p ? vious exceedanced	hecked above). Current Quarter C 8/21/24 0.109 0.0338 g the two previous he value exceeds 0 past?	Evaluation Value D = (A+B+(2*C))/4 0.094 0.0315 quarters of TTHM or HAA5 .080 mg/L for TTHM or 0.060 X Yes No X Yes No		
2. Enter Date sat collected TTHM (i HAA5 (r Note: Th values pi mg/L for C. Has an 0 If YES Was th Are the	mple was d mg/L) mg/L) of <i>operational</i> <i>lus twice the of</i> <i>HAA5, an OE</i> OEL exceed c , when did of <i>c</i> cause det of previous exp	Results from Two Quarters Ago A 2/14/24 0.111 0.0472 evaluation value is ca current quarter value, EL exceedance has of lance occurred at th exceedance occur ermined for the pre	Quarter Prior Quarter's Results B 5/20/24 0.0461 0.0111 alculated by summing divided by four. If the courred. his location in the p ? vious exceedanced	hecked above). Current Quarter C 8/21/24 0.109 0.0338 g the two previous he value exceeds 0 past?	Evaluation Value D = (A+B+(2*C))/4 0.094 0.0315 quarters of TTHM or HAA5 0.080 mg/L for TTHM or 0.060 X Yes No X Yes		

Op	perational Evaluation Reporting Form	Page	e 2 of 2
III.	OPERATIONAL EVALUATION FINDINGS		
Α.	Did the State allow you to limit the scope of the operational evaluation?	🛛 Yes	X No
	If NO, proceed to item B. If YES, attach written correspondence from the St	tate.	
_		🛛 Yes	No No
В.	Did the distribution system cause or contribute to your OEL exceedance(s)?	🛛 Possib	ly
	If NO, proceed to item C. If YES or POSSIBLY, explain (attach additional pa necessary):	iges if	
	The water distribution system in the location of the sample sites is older, c has hydraulic issues with water age and looping. The water main material of the sample site is conducive to corroding, mineral build up and TTHM	s in the loc	<u>cation</u>
		🗖 Yes	🛛 No
C.	Did the treatment system cause or contribute to your OEL exceedance(s)?	Possib	ly
	If NO, proceed to item D. If YES or POSSIBLY, explain (attach additional panecessary): The Village of Mt. Zion does not have a WTP. Rather the Village purchate water from the City of Decatur. The City does have a WTP and has future	ses bulk so	ource WTP
	improvements to reduce TTHM in the source water.		<u>vv 1</u> 1
D.	Did source water quality cause or contribute to your OEL exceedance(s)? If NO, proceed to item E. If YES or POSSIBLY, explain (attach additional pa	Yes Possib	No No
	necessary):	-	
	Yes, the source water from the City of Decatur has near limit levels of TT residuals, and organics. The Village cannot control the incoming level of		
	The City's source water is Lake Decatur, which sees high organics and alg	gae.	
E.	Attach all supporting operational or other data that support the determination of of your OEL exceedance(s).	the cause(s)
F.	If you are unable to determine the cause(s) of the OEL exceedance(s), list the second use to better identify the cause(s) in the future (attach additional pages if ne The Village has increased sampling of Cl residuals, organics and TTHM is water and Village system. The increased monitoring helps make operation The Village has increased flushing of the water distribution system.	cessary): n the sourc	e
G. H.	List steps that could be considered to minimize future OEL exceedances (attach pages if necessary) Continued monitoring of Cl Residuals with respect to CL feed levels. Co water distribution flushing. Evaluation of 2 Decatur sources for TTHM le adjustment of source percentage. Currently completing TTHM Removal S Total Number of Pages Submitted, Including Attachments and Checklists:	ontinued evels and	

This Agency is authorized to require this information under 415 ILCS 5. Failure to disclose this information may result in a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This has been approved by the Forms Management Center. IL532-2979

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Sc	ource W	/ater	Evaluation Checklist	Page	e 1 of 2	
X		AVAIL	ABLE			
-	stem Name		City of Decatur Water			
Che	ecklist Con	npletec	by: Date:			
Α.	Do you h	ave so	purce water temperature data?	🗖 Yes	🗖 No	
	i NO, pi iigh?	roceed	d to item B. If YES, was the source water temperature	🗖 Yes	🗖 No	
	i NO, p		d to item B. If YES, answer the following questions for the tin	ne period p	orior	
	o the O Yes	EL ex No	ceedance.			
			Was the raw water storage time longer than usual?			
			Did you place another water source on-line?			
			Were river/reservoir flow rates lower than usual? If yes, indicate lower flow rates and the anticipated impact on the OEL exceeds		on of	
			Did point or non-point sources in the watershed contribute to th exceedance?	e OEL		
В.			ta that characterizes organic matter in your source water (e.g., VA, color, THM formation potential)?	🗖 Yes	🗖 No	
	i NO, p	roceed	d to item C. If YES, were these values higher than normal?	🗖 Yes	🗖 No	
			d to item C. If YES, answer the following questions for the tim	ne period p	orior	
	o the O Yes	No	ceedance.			
			Did heavy rainfall or snowmelt occur in the watershed?			
			Did you place another water source on-line?			
			Did lake or reservoir turnover occur?			
			Did point or non-point sources in the watershed contribute to th exceedance?	e OEL		
			Did an algal bloom occur in the source water?			
			If algal blooms were present, were appropriate algae control me employed (e.g. addition of copper sulfate)?	easures		
			Did a taste and odor incident occur?			
C.	Do you h	ave so	purce water bromide data?	Yes	No No	
			t to item D. If YES, were the bromide levels higher or lower	🗖 Yes	🗖 No	
	han normal?					
	o the O	EL ex	ceedance.			
	Yes	No No	Has saltwater intrusion occurred?			
			Are you experiencing a long-term drought?			
			Did heavy rainfall or snowmelt occur in the watershed?			
		_				
			Did you place another water source on-line?			
			Are you aware of any industrial spills in the watershed?			

Sc	ource W	/ate r	r Evaluation Checklist	Page	e 2 of 2	
D.	Do you h	ave so	purce water turbidity or particle count data?	🗖 Yes	🗖 No	
			eed to item E. If YES, were the turbidity values or particle	🗖 Yes	🗖 No	
	counts higher than normal? If NO, proceed to item E. If YES, answer the following questions for the time period prior to the OEL exceedance. Yes No					
			Did lake or reservoir turnover occur?			
			Did heavy rainfall or snowmelt occur in the watershed?			
			Did logging, fires, or landslides occur in the watershed?			
			Were river/reservoir flow rates higher than normal?			
E.	Do you h	ave so	ource water pH or alkalinity data?	🗖 Yes	No No	
	lf NO, norma		eed to item F. If YES, was the pH or alkalinity different from	🗖 Yes	🗖 No	
	lf NO,	proce	eed to item F. If YES, answer the following questions for the OEL exceedance.	time perio	d	
			Was there an algal bloom in the source water?			
			If algal blooms were present, were algae control measures emp	oloyed?		
			Did heavy rainfall or snowmelt occur in the watershed?			
			Has the PWS experienced diurnal pH changes in source water	?		
F.	Conclus	ion				
	Did sour	co wat	er quality factors contribute to your OEL exceedance?	X Yes	No No	
	Dia Souri			🔲 Possik	bly	
	If YES	6 or PC	OSSIBLY, explain below.			
]	The Villag	ge of N	At. Zion does not have the City of Decatur Source Water Da	ta for this	section.	
	The source	e wate	er does contribute to the OEL Exceedance as there is TTHM	coming in	1 as	
	bulk purchased water prior to entering the Village water distribution system.					
	The City's source is Lake Decatur, which may contribute to higher organic levels, which					
	reacts to form TTHM. This summer and fall 2024, saw drought conditions in Central Illinois,					
	including Lake Decatur. The Lake was lower in these drought conditions, concentrating					
			eing higher levels of algae growth. Both of which contribute			
			City is currently planning added treatment to its source water			
	off-gas THM from finished water storage. These treatment additions are expected in 2026.					

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Trea	atment	Proc	ess Evaluation Checklist	Pa	ge 1 of 4			
	DATA A							
	ty Name:		City of Decatur Water Date:					
A.								
Λ.			ed water data using the following questions:					
	Were D	BP pre	cursors (TOC, DOC, SUVA, bromide, etc.) higher than normal?	🗖 Yes	🗖 No			
	Was finished water pH higher or lower than normal?							
	Was the	finish	ed water temperature higher than normal?	🗖 Yes	🗖 No			
	Was fini	shed v	vater turbidity higher than normal?	🗖 Yes	🗖 No			
	Was the	disinf	ectant concentration leaving the plant(s) higher than normal?	🗖 Yes	🗖 No			
			water TTHM/HAA5 levels higher than normal?	🗖 Yes	🗖 No			
			nal and water quality data available to the system operator for ion making?	C Yes	🗖 No			
В.	Does the	treatm	nent process include pre-disinfection?	🗖 Yes	No No			
			eed to item C. If YES, answer the following questions for the eedance occurred:	period in v	vhich			
	Yes	No	eedance occurred.					
			Was disinfected raw water stored for an unusually long time?					
			Were treatment plant flows lower than normal?					
			Were treatment plant flows equally distributed among different	trains?				
			Were water temperatures high or warmer than usual?					
			Were chlorine feed rates outside the normal range?					
			Was a disinfectant residual present in the treatment train follow	ing predisi	nfection?			
			Were online instruments utilized for process control?					
			Did you switch to free chlorine as the oxidant?					
			Was there a recent change (or addition) of pre-oxidant?					
			Did you change the location of the pre-disinfection application?					
C.	lf NO,	proce	ment process include presedimentation? eed to item D. If YES, answer the following questions for the eedance occurred:	Yes Yes	No vhich			
			Were flows low?					
			Were flows high?					
			Were online instruments utilized for process control?					
			Was sludge removed from the presedimentation basin?					
			Was sludge allowed to accumulate for an excessively long time	? ?				
			Do you add a coagulant to your presedimentation basin?					
			Was there a problem with the coagulant feed?					

Tre	eatmen	t Pro	ocess Evaluation Checklist	Page	e 2 of 4		
D.	•		ment process include coagulation and/or flocculation?	Yes d in wl	□ No bicb		
	an OEL exceedance occurred: Yes No						
			Were there any feed pump failures or were feed pumps operating a rates?	t improj	per feed		
			Were chemical feed systems controlled by flow pacing?				
			Were there changes in coagulation practices or the feed point?				
			Did you change the type or manufacturer of the coagulant?				
			Do you suspect that the coagulant in use at the time of the OEL exc not meet industry standards?	eedanc	ce did		
			Did the pH or alkalinity change at the point of coagulant addition?				
			Were there broken or plugged mixers?				
			Were flow rates above the design rate or was there short-circuiting?)			
E.	Does you	r treati	ment process include sedimentation or clarification?	Yes	🔲 No		
			ed to item F. If YES, answer the following questions for the perio eedance occurred:	d in wł	nich		
			Were there changes in plant flow rate that may have resulted in a de settling time or carry-over of process solids?	ecrease	e in		
			Were settled water turbidities higher than normal?				
			Was there any disruption in the sludge blanket that may have result to the point of disinfection?	ed in ca	arryover		
			Was there any maintenance in the basin that may have stirred sludg bottom of the basin and caused it to carry over to the point of disinfe addition?		the		
			Was sludge allowed to accumulate for an excessively long time or v malfunction in the sludge removal equipment?	vas the	re a		

Tre	eatmen	t Pro	ocess Evaluation Checklist	Page	e 3 of 4
F.	Does you	ır treat	ment process include filtration?	🛛 Yes	🗖 No
			eed to item G. If YES, answer the following questions for the pe eedance occurred:	əriod in w	hich
			Was there an increase in individual or combined filter effluent tur counts?	bidity or p	article
			Was there an increase in turbidity or particle loading onto the filte	ers?	
			Was there an increase in flow onto the filters or malfunction of th controllers?		
			Were any filters taken off-line for an extended period of time that filters to operate near maximum design capacity and creating the possible breakthrough?		
			Were any filters operated beyond their normal filter run time?		
			Were there any unusual spikes in individual filter effluent turbidity indicate particulate or colloidal TOC breakthrough) in the days le excursion?		
			Were all filters run in a filter-to-waste mode during initial filter ripe	ening?	
			If GAC filters are used, is it possible the adsorptive capacity of th reached before reactivation occurred (leave blank if not applicable		ed was
			If biological filtration is used, were there any process upsets that resulted in the breakthrough of TOC (leave blank if not applicable)
G.	prior to a If NO ,	a clear proce	Attement process include primary disinfection by injecting chlorine well? Seed to item H. If YES, answer the following questions for the period seedance occurred: Was there a sudden increase in the amount of chlorine fed or an chlorine residual?		
			Was there an increase in clearwell holding time?		
			Was the plant shut down or were plant flows low?		
			Was there an increase in clearwell water temperature?		
			Did you switch to free chlorine recently as the primary disinfectar	nt?	
			Was the inactivation of Giardia and/or viruses exceptionally high?	?	
			Was there a change in the mixing strategy (i.e. mixers not used, a tank level)?	adjustmer	nt of
Н.	lf NO,	proce	t recycle spent filter backwash or other streams? eed to item I. If YES, answer the following questions for the pe eedance occurred: Did a change in the recycle stream quality contribute to increased loading that was not addressed by treatment plant processes? Did a recycle event result in flows in excess of typical or design fl	d DBP pre	
1					

Т	reatmen	nt Pro	ocess Evaluation Checklist	Pag	e 4 of 4
١.	Do you ir system re		disinfectant after your clearwell to maintain a distribution	🛛 Yes	🗖 No
			eed to item J. If YES, answer the following questions for the p eedance occurred:	eriod in w	/hich
			Was there a sudden increase in the amount of chlorine fed?		
			Was there a switch from chloramines to free chlorine for a burn	out period'	?
			If using chloramines, was the chlorine to ammonia ratio in the p	roper rang	e?
			Was there a problem with either chlorine or ammonia mixing?		
J.	Lead and to reduce treatmen coagulati If NO,	d Copp e the D t targe ion/floc , proce	out complying with a rule other than Stage 2 DBPR, such as the ber rule, the LT2ESWTR, or any other rule constrain your options DBP levels at this site? For example, are you limited by other ets/requirements in your ability to control precursors in cculation? The distance Manual for alternative compliance approaches.	☐ Yes	No No
	Conclus	ion			
	Did treatm OEL exce		ctors and/or variations in the plant performance contribute to the e(s)?	☐ Yes ☑ Possi	No No
	If YES	6 or PC	OSSIBLY, explain below.		
]	The Villag	e of M	It. Zion does not have the City of Decatur Treatment Proces	ss Data fo	r
_			s presumed that since there is TTHM in the City's source wa tion of OEL Exceedance is from the WTP. The City has sta		
_	÷		VTP improvement aimed at TTHM reduction. This upgrade n, with plans to fund through IEPA SRF and construct eithe		
_	The propo	sed C	ity of Decatur WTP TTHM reduction project involves adding	aeration	and
			xisting finished water ground storage tank, with off-gassing from the process.	equipmer	nt
_					

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Di	stributi	on S	System Evaluation Checklist	Page	e 1 of 2
-	stem Name		Village of Mt. Zion		
Che	ecklist Con	npleted	d by: <u>Michael Buzicky</u> Date: <u>10</u>	/22/24	
Α.	location v If NO,	where proce	sinfectant residual or temperature data for the monitoring you experienced the OEL exceedance? eed to item B. If YES, answer the following questions for the eedance occurred:	X Yes e period in v	No Noich
	Yes	No	eedance occurred.		
			Was the water temperature higher than normal for that time of location?	the year at	that
	X		Was the disinfectant residual lower than normal for that time of location?	f the year at	that
		X	Was the disinfectant residual higher than normal for that time of location?	of the year a	t that
В.	Do you h OEL exce		aintenance records available for the time period just prior to the ce?	X Yes	🗖 No
	lf NO,	proce	eed to item C. If YES, answer the following questions:		
	Yes	No			
		Х	Did any line breaks or replacements occur in the vicinity of the	exceedance	ə?
		X	Were any storage tanks or reservoirs taken off-line and cleane	d?	
	X		Did flushing or other hydraulic disturbances (e.g., fires) occur i the exceedance?	n the vicinity	/ of
		X	Were any valves operated in the vicinity of the OEL exceedance	ces?	
C.	water use	e at inc	s metered, do you have access to historical records showing dividual service connections?	X Yes	🗖 No
			eed to item D. If YES, was overall water use in your system ow, indicating higher than normal water age?	🗖 Yes	🛛 No
D.	Do you h processir		gh-volume customers in your system (e.g., an industrial nt)?	🛛 Yes	🛛 No
			eed to item E. If YES, was there a change in water use by a e customer?	🗖 Yes	🛛 No
E.			ed water storage facility hydraulically upstream from the tion where you experienced the OEL exceedance?	🗖 Yes	🛛 No
	lf NO,	proce o ansv	eed to item F. If YES, review storage facility operations and w wer the following questions for the period in which the OEL		
			Was a disinfectant residual detected in the stored water or at the	he tank outle	et?
			Do you know of any mixing problems with the tank or reservoir	?	
			Does the facility operate in "last in-first out" mode?		
			Was the tank or reservoir drawn down more than usual prior to exceedance, indicating a possible discharge of stagnant water		
			Was there a change in water level fluctuations that would have increased water age within the tank or reservoir?	e resulted in	

Distribution System Evaluation Checklist	Pag	e 2 of 2
F. Does your system practice booster chlorination?	X Yes	No No
If NO, proceed to item G. If YES, was there an increase in booster chlorination feed rates?	☐ Yes	X No
G. Did you have customer complaints in the vicinity of the OEL exceedance?	🗖 Yes	🛛 No
If NO, proceed to item H. If YES, explain.		
H. Did concern about complying with a rule other than Stage 2 DBPR, such as the Lead and Copper rule, the TCR, or any other rule constrain your options to reduce the DBP levels at this site? For example, are you limited by the need to maintain a detectable disinfectant residual in your ability to control DBP levels in the distribution system?	X Yes	☐ No
If NO, proceed to item I. If YES, explain below and consult EPA's <i>Simula</i> <i>Compliance Guidance Manual</i> for alternative compliance approaches.	taneous	
The Village does have to balance Chlorine residual levels, so as to meet the n	ninimum	
required residual levels by Code, with trying to also minimize Chlorine feed		
Disinfection By-Product formation. The Village's system has 1 Chlorine fee		
large, oddly shaped and routed water system. Chlorine feed is a challenge w	hen balan	cing
these two ends of the spectrum.		
I. Conclusion		
	🗖 Yes	🗖 No
Did the distribution system cause or contribute to the OEL exceedance(s)?	🛛 Possil	olv
If NO, proceed to evaluations of treatment systems and source water. If POSSIBLY, explain below.		,
The Village's Water Distribution System is large, oddly shaped or routed, wi smaller, poor quality water mains in locations. These worse mains happen to sample sites are, which contributes to localized issues with TTHM formation	o be were	
The Village of Mt. Zion has completed their CCA improvements, including	new water	: looping
near the S2HH1 site and new sample site for S2HT1. The Village is now co	ordinating	g with
the City of Decatur on the source water THM sampling results, which are ne	ear limit co	oming

into the VIIIage's system. This Agency is authorized to require this information under 415 ILCS 5. Failure to disclose this information may result in a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This has been approved by the Forms Management Center. IL532-2978