

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

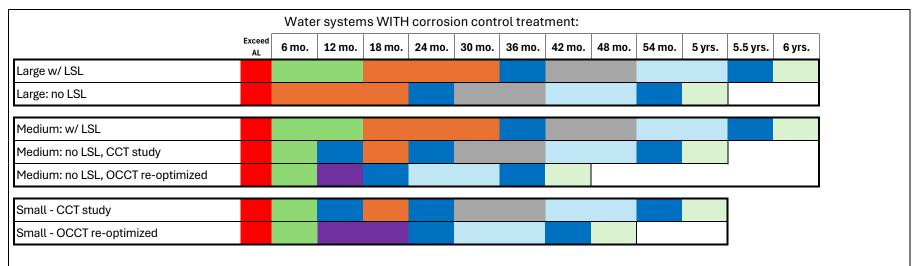
DIVISION OF WATER

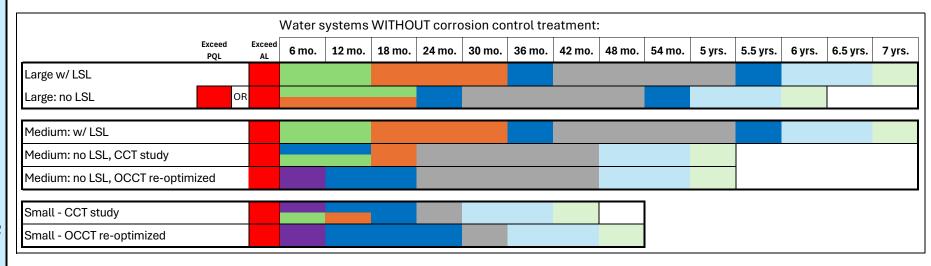
300 SOWER BOULEVARD FRANKFORT, KY 40601

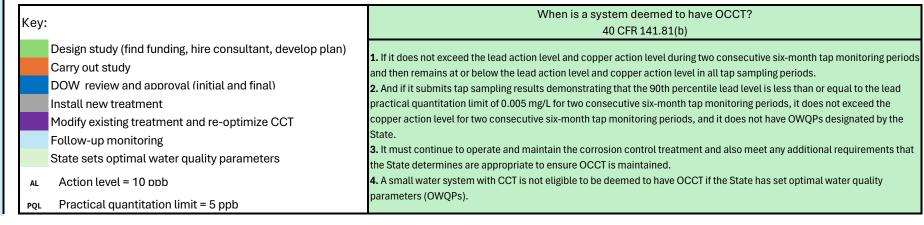
RULE
IMPROVEMENTS

CORROSION CONTROL TREATMENT TIMELINE

PER 40 CFR 141.81 & 141.82







Required Timeframe and Actions: Water Systems WITH Corrosion Control Treatment

These actions must be carried out if there is an Action Level Exceedance

The timeframe specified is the period of time after the end of the tap sampling period in which they exceed the action level, unless otherwise specified.

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Systems WITH Corrosion Control Treatment	Large Water System		Medium Water System		Small Water System			
	Trigger: Lead or Copper Action Level Exceedance (ALE)							
40 CFR 141.81(d) Treatment steps and deadlines for re-optimizing CCT	w/ LSL Lead 90%ile > 0.010 mg/L AL	w/o LSL Lead 90%ile > 0.010 mg/L AL or Copper 90%ile > 1.3 mg/L AL	w/ LSL Lead 90%ile > 0.010 mg/L	w/o LSL Lead 90%ile > 0.010 mg/L AL or Copper 90%ile > 1.3 mg/L AL	Lead 90%ile > 0.010 mg/L AL or Copper 90%ile > 1.3 mg/L AL			
Step 1: Obtain funding and design mandatory study or treatment recommendation.	One year (pipe rig/loop)		One year (pipe rig/loop)	6 months (develop treatment recommendation)	6 months (develop treatment recommendation)			
Step 2: DOW reviews treatment recommendation and requires CCT study OR designates re-optimized OCCT	N/A	studies, and submit recommendation of CCT reoptimization to DOW	N/A	, ,	One year after ALE (require CCT study) or 18 months after ALE (designate re-opt. OCCT)			
Step 3: Carry out study	Complete within 30 months of ALE (pipe rig/loop studies)		Complete within 30 months of ALE (pipe rig/loop studies)	Complete within 18 months of ALE (CCT studies)	Complete within 18 months of ALE (CCT studies)			
Step 4: DOW timeframe to review CCT study results and designate re-optimized OCCT	6 months after step 3	6 months after step 3	6 months after step 3	6 months after step 3 or step 2	6 months after step 3 or step 2			
Step 5: Re-optimized OCCT installation deadlines	One year after step 4		One year after step 4	If required, one year after step 4	If required, one year after step 4			
Step 6: Follow-up monitoring - All systems	At least 2 consecutive 6-month tap monitoring periods and WQP monitoring, starting on Jan 1st or July 1st (whichever is soonest after completing step 5)							
Step 7: DOW reviews re-optimized OCCT and sets			6 months after sten 6					

6 months after step 6

6 months after step 6

Required Timeframe and Actions: Water Systems WITHOUT Corrosion Control Treatment The timeframe specified is the period of time after the end of the tap sampling period in which they exceed the action level, unless otherwise specified.

optimal water quality parameters (OWQPs)- All systems

Step 8: Systems meet OWQPs to demonstrate

Step 7: State sets optimal water quality parameters

Step 8: Systems meet OWQPs to demonstrate

(OWQPs) - All systems

compliance

compliance

The timeframe specified is the period of time after the end of the tap sampling period in which they exceed the action level, unless otherwise specified.								
Systems WITHOUT Corrosion Control Treatment	Large Water System		Medium Water System		Small Water System			
	Triggers: Large systems: Lead or copper Action Level Exceedance, OR 90th percentile PQL exceedence Medium or Small systems: Lead or copper Action Level Exceedance							
40 CFR 141.81(e) Treatment steps and deadlines for adding new CCT	w/ LSL Lead 90%ile > 0.010 mg/L AL	Lead 90%ile > 0.005 mg/L PQL or Copper 90%ile > 1.3 mg/L AL	w/ LSL Lead 90%ile > 0.010 mg/L	w/o LSL Lead 90%ile > 0.010 mg/L AL or Copper 90%ile > 1.3 mg/L AL	Lead 90%ile > 0.010 mg/L AL or Copper 90%ile > 1.3 mg/L AL			
Step 1: Initiate mandatory pipe rig/loop or CCT study or treatment recommendation	Initiate pipe rig/loop study within one year	Initiate corrosion control study within 18 months	Initiate pipe rig/loop study within one year	Must recommend OCCT within 6 months	Must recommend OCCT within 6 months			
Step 2: State requires CCT study or State designates OCCT	N/A	N/A	N/A	One year (require CCT study) or 18 months (designate OCCT)	One year (require CCT study) or 24 months (designate OCCT)			
Step 3: Study duration	Pipe rig/loop study must be completed within 30 months of ALE period	18 months (CCT studies)	Pipe rig/loop study must be completed within 30 months of ALE period	CCT study must be completed within 18 months of ALE period, if required in Step 2 *	CCT study must be completed within 18 months of ALE period, if required in Step 2*			
Step 4: State designation of OCCT based on CCT study results	6 months after step 3	6 months after step 3	6 months after step 3	6 months after step 3	6 months after step 3			
Step 5: OCCT installation deadlines	24 months after step 4		24 months after step 4	24 months after step 4 (CCT study) or step 2 (if DOW designates OCCT) *	24 months after step 4 (CCT study) or step 2 (if DOW designates OCCT) *			
Step 6: Follow-up monitoring - All systems	At least 2 consecutive tap monitoring periods and WQP monitoring, starting on Jan 1st or July 1st (whichever is earlier)							

*Any small or medium water system without CCT may avoid Step 3 or Step 5 if they do not have any lead or copper action level exceedances during two consecutive six-month tap monitoring periods prior to the required starting deadline for Step 3 (or step 5, respectively). However, if the system has already initiated Step 5 at the time it can demonstrate 12 months with no action level exceedances, it must complete Step 5, as well as Steps 6-8. 40 CFR 141.81(g).



