ADEQ
Arizona Department
of Environmental Quality

How to determine BIN classifications following Long Term 2
Enhanced Surface Water Treatment Rule (LT2) monitoring
For Schedule 1 Systems

- STEP 1: Organize *Cryptosporidium* results collected during LT2 monitoring period.

- STEP 2: Determine Cryptosporidium concentration based on the number of samples collected. The attached reporting form and excel spreadsheet can be used to assist with calculations.

  - If system collected 48 samples or more- *Cryptosporidium* concentration is the average of all sample concentrations.
  - If system collected 24-47 samples- *Cryptosporidium* concentration is equal to the highest average of all sample concentrations during any 12 consecutive month period.
  - If samples were not collected during a given month, that month shouldn't be included in the excel calculation. **Do not enter "0" for months that no sample was collected**, as it will cause errors in the average calculations.

- STEP 3: Identify Bin classification using the Bin Classification Table below, or on the LT2 Bin Classification Worksheet.

- STEP 4: Report Bin classification, including completed excel calculation sheet if used, and summary of source water monitoring to ADEQ or MCESD within 6 months of your system completing the second round of LT2 monitoring. Send completed worksheet to LT2rule@azdeq.gov (ADEQ) or to sdwquestions@mail.maricopa.gov(MCESD).

Bin Classification Table

Cryptosporidium Concentration	Bin Classification
<0.075 oocyst/L	Bin 1
≥0.075 oocyst/L to <1.0 oocyst/L	Bin 2
≥1.0 oocyst/L to <3.0 oocyst/L	Bin 3
≥3.0 oocyst/L	Bin 4

If you have any questions regarding bin classification determination, please contact your regulatory agency contact:

Holli LaBrie (ADEQ): hml@azdeq.gov or 602-771-4866

MCESD Drinking Water Program:
sdwquestions@mail.maricopa.gov or 602-506-6935

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LT2 Bin Classification Worksheet for Schedule 1 Systems

PWS Name:	
PWS ID:	
Treatment Plant ID:	
Date: April 2015 -- March 2017 (Schedule 1 Systems)	

LT2 Bin Concentration Calculation For Filtered Systems

Month-2015	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result 1*												
Result 2*												
Monthly total or 12 month mean												

Month-2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result 1*												
Result 2*												
Monthly total or 12 month mean												

Month-2017	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Result 1*												
Result 2*												
Monthly total or 12 month mean												

* All results in oocyst/L

LT2 Cryptosporidium Concentration *	

Bin Classification according to Bin Classification Table	

Bin Classificaiton Table

Cryptosporidium Concentration	Bin Classification
<0.075 oocyst/L	Bin 1
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≥1.0 oocyst/L to <3.0 oocyst/L	Bin 3
≥3.0 oocyst/L	Bin 4

LT2 Bin Classification Calculation and Certification Form

PWS Name:
PWS ID:
Treatment Plant ID:

1) Select the method used to determine the system's LT2 Bin Classification

       Arithmetic mean (system collected 48 or more samples)

       Highest arithmetic mean during 12 consecutive months (system collected 24-47 samples)

2) Verify that a summary of source water data is included with this document:

       Source Water data is attached to this document

I hereby certify that the LT2 bin classification was calculated in accordance with § 141.710 (b) and the system's source water data is attached in accordance with § 141.70(e)(3).

Name and Signature:

Title: Date:

Phone: Email: