



LEED v4 BD+C: New Construction

Cooling Tower Water Use

Table: Potable water analysis

Enter the values for the following parameters from the potable water analysis.

Parameter	Potable Water Analysis Level		Maximum Concentrations		Cycles of Concentrations
Calcium (as CaCO ₃)		ppm	1000	ppm	
Total alkalinity		ppm	1000	ppm	
SiO ₂		ppm	100	ppm	
Cl ⁻		ppm	250	ppm	
Conductivity		µS/cm	2000	µS/cm	
Number of cycles without exceeding concentration levels across all parameters (before treatment)					

Note: Number of cycles is rounded down to the nearest whole number.

Number of cycles designed for project cooling tower(s)

Note: To earn 1 point, set the project cooling tower(s) to cycle at the level calculated above. If treatment is used, cycles may exceed the number of cycles in Table: Potable water analysis.

If the number of cycles designed for the project cooling tower(s) exceeds the level calculated in Table: Potable water analysis, describe the treatment strategy used to maintain the appropriate levels of concentration and the method for removing or preventing deposit build-up. (Optional)

For projects pursuing 1 additional point

Select one of the following. Indicate which strategy was pursued:

- ☐ Achieve a minimum 10 cycles by increasing the level of treatment
- ☐ Use at least 20% recycled, nonpotable water

Upload a narrative describing the methodology that was used to conduct the potable water analysis and the location where the potable water was measured. OR, upload the results of the analysis done by the project team or municipality. Highlight the parameters identified in Table: Potable water analysis.

Note: If using at least 20% nonpotable water, also describe its source and the water analysis conducted and/or treatment strategy used to maintain the appropriate levels of concentration.

Special Circumstances

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits. (Optional)

Upload any additional documentation that supports the claim to special circumstances. (Optional)

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