

<b>Microcystins and Cyanobacteria Screening Monitoring Requirements</b> <b>HAB Season (begins first full week of June) -- Off-season (begins first full week of December)</b>	
<b>Monitoring Requirements</b>	<b>Additional Sampling Triggers</b>
<p><b>Routine HAB Monitoring</b> for all PWS with a surface water source</p> <p>HAB SEASON Biweekly raw water cyanobacteria screening AND Biweekly <b>raw</b> water microcystins (alternate week of cyanobacteria screening)</p> <p>OFF-SEASON Biweekly <b>FINISHED</b> water microcystins</p>	<p><b>If microcystins are detected in the raw water:</b></p> <ul style="list-style-type: none"> <li>• PWS must collect raw and finished water samples within 24 hours of receiving the result and complete analysis within five days. If PWS voluntarily collected a paired raw and finished water sample with their initial raw water sample, an additional set of raw and finished samples is not required until the following week unless a finished water detection triggers more immediate sampling (see “All PWS” below).</li> <li>• <b><u>PWS will continue with weekly paired raw and finished water microcystins monitoring and the biweekly raw water cyanobacteria screening until non-detect for at least two consecutive weeks.</u></b></li> </ul> <p><b>If <i>mcyE</i> are detected in raw water greater than 5 gene copies/µL:</b></p> <ul style="list-style-type: none"> <li>• PWS must collect raw and finished water microcystins sample within 24 hours of receiving the result and complete analysis within five days.</li> <li>• If microcystins are not detected, the PWS will resume biweekly monitoring.</li> <li>• If microcystins are detected in either the raw or finished water, the PWS continues with weekly raw and finished microcystins monitoring and biweekly cyanobacteria screening until microcystins are non-detect for at least two consecutive weeks.</li> </ul>
<p><b>Reduced Monitoring</b> for all PWS with a groundwater under the influence (GWUI) source</p> <p>HAB SEASON: Monthly cyanobacteria screening</p> <p>OFF-SEASON: Monthly <b>FINISHED</b> water microcystins</p>	<p>If sampling detects the presence of microcystins or <i>mcyE</i>, the PWS will transition to routine HAB monitoring (detailed above) and must collect paired microcystin samples within 24 hours of receiving the result and complete analysis within five days.</p>

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<b>Monitoring Requirements</b>	<b>Additional Sampling Triggers</b>
<p><b>Ohio PWS with an out-of-state surface water source*</b></p> <p>HAB SEASON: Weekly finished water microcystins</p> <p>OFF-SEASON Biweekly finished water microcystins</p>	<p>Increased monitoring would be triggered by finished water microcystins detections (see “All PWS” below).</p>
<p><b>All PWSs</b></p>	<p><b>If cyanobacteria screening indicates the presence of saxitoxins, cylindrospermopsin or genes (<i>sxtA</i> or <i>cyrA</i>):</b></p> <ul style="list-style-type: none"> <li>• PWS must notify Ohio EPA no later than the end of the next business day per OAC Rule 3745-89-08. Ohio EPA also recommends written or verbal results be communicated as soon as possible to ensure a timely response by Ohio EPA.</li> </ul> <p><b>If microcystins are detected in finished water greater than 0.3 µg/L (reported value ≥0.35 µg/L):</b></p> <p>PWS must collect one <b>resample</b> of raw and finished water within 24 hours of action level exceedance and collect an additional <b>repeat</b> sample of raw and finished water within 24 hours of resample. Analysis must be completed within 24 hours in each case.</p> <ul style="list-style-type: none"> <li>• If microcystins are greater than 0.3 µg/L in either resample or repeat, PWS must notify all consecutive systems within three hours of receiving results.</li> <li>• PWS and consecutive systems <b>may</b> collect samples from representative distribution points established in the contingency plan.</li> <li>• PWS will sample raw water once per week and increase sampling to three times per week at the finished water sampling point.</li> <li>• PWS can resume routine monitoring when microcystins are non-detect in finished water for two consecutive samples.</li> </ul>