

Harmful algal bloom (HAB) suspected, but not addressed in DWQMP. HABs may cause visible scums, rapid pH change, high pH, or taste and odour issues.

YES

Access Information on HABs such as *qldwater* website.

If a HAB is still suspected, collect and send in the following three samples to a suitably qualified laboratory:

Sample 1: A raw water sample for cyanobacterial cell count (identification and enumeration)

Sample 2: A raw water sample for toxin testing

Sample 3: A treated water sample for toxin testing

Request the laboratory to analyse sample 1, and hold samples 2 and 3.

Result above an Alert level*

YES

Request lab to conduct toxin testing on samples 2 and 3. Review the efficacy of treatment barriers.

Does sample 3 contain any toxin at or above the limit of detection?

YES

Report event to DRDMW on 1300 596 709

Manage the event in consultation with DRDMW and QH

Result above a Notification level^

YES

Test for cyanobacteria on a weekly basis, as per sampling methodology above. Review the efficacy of treatment barriers if not yet undertaken, particularly if any toxins are detected in sample 2. Refer to resources.

Continue operating as per DWQMP. Samples 2 and 3 can be discarded.

NO

NO

NO

Cyanobacterial species name	*Alert level	^Notification level
<i>Raphidiopsis raciborskii</i> (formerly <i>Cylindrospermopsis raciborskii</i>), <i>Umezakia ovalisporum</i> (formerly <i>Chrysochloris ovalisporum</i>), <i>Microseira wollei</i> , <i>Phormidium ambiguum</i> , <i>Raphidiopsis mediterranea</i>	15,000 cells/mL or 0.6 mm ³ /L	4,500 cells/mL or 0.2 mm ³ /L
<i>Microcystis aeruginosa</i> , <i>Fischerella</i> sp., <i>Nostoc linckia</i>	6,500 cells/mL or 0.6 mm ³ /L	2,000 cells/mL or 0.2 mm ³ /L
<i>Dolichospermum circinale</i> (formerly <i>Anabaena circinalis</i>), <i>Heteroscytonema crispum</i>	20,000 cells/mL or 5 mm ³ /L	6,000 cells/mL or 1.5mm ³ /L