

| <u>Incident</u> | <u>Responses</u> | <u>Procedure name</u> | <u>Approaches</u> | <u>Comms</u> |
|--|---|--|--|---|
| Isolated Legionella point source detection | As per the Water Maintenance Program, the less than 10 cfu, the location is monitored with lower frequency testing, 11 to 100 cfu the system connected to the detection is immediately thermally shocked then tested 36 hours later, if testing finds 101+ cfu the location is immediately quarantined until thermally shocked and tested before deemed usable. | Procedurally the testing after re-entry assessment is completed, in a maintenance mode the site will test for legionella as per a determined frequency. The qpcr testing method will be used to determine the existence or level of legionella bacteria. Finding of the bacteria will initiate next steps which will include if required thermal decontamination and further investigation for plumbing structural issues or point of use environment issue within the building (e.g., labs with rubber or plastic fixtures holding water) | <p>If system testing indicates non detection, system test frequency is annually.</p> <p>If system testing indicated finding of <10cfu testing id repeated monthly.</p> <p>If system testing indicates >11 cfu testing is repeated 36 hours after decontamination repeated thermal flushing of the system in question until system is tested with findings less than 10cfu or not detectable.</p> | General Occupancy Notice for any detectable testing result |
| Isolated <i>Legionella</i> multiple point source detection | <p>As per the Water Maintenance Program, the less than 10 cfu, the location is monitored with lower frequency testing, 11 to 100 cfu the system connected to the detection is immediately thermally shocked then tested 36 hours later, if testing finds 101+ cfu the location is immediately quarantined until thermally shocked and tested before deemed usable.</p> <p>Note, if multiple detections on same distribution system, system thermal decontamination will remedy both points. If on multiple systems, each system will require decontamination</p> | Procedurally the testing after re-entry assessment is completed, in a maintenance mode the site will test for legionella as per a determined frequency. The qpcr testing method will be used to determine the existence or level of legionella bacteria. Finding of the bacteria will initiate next steps which will include if required thermal decontamination and further investigation for plumbing structural issues or point of use environment issue within the building (e.g., labs with rubber or plastic fixtures holding water) | Where deemed necessary, the replacement of equipment and infrastructure. This may include taps, mixing valves, pipes, | |
| Confirmed legionella disease case linked to workplace exposure | <p>As per the Water Maintenance Program, the less than 10 cfu, the location is monitored with lower frequency testing, 11 to 100 cfu the system connected to the detection is immediately thermally shocked then tested 36 hours later, if testing finds 101+ cfu the location is immediately quarantined until thermally shocked and tested before deemed usable.</p> <p>Note, if multiple detections on same distribution system, system thermal decontamination will remedy both points. If on multiple systems, each system will require decontamination</p> <p>Based on the type of exposure for example showers, occupational hygienic study will be required to trace the users, inform and possible treatment counselling</p> | Procedurally the testing after re-entry assessment is completed, in a maintenance mode the site will test for legionella as per a determined frequency. The qpcr testing method will be used to determine the existence or level of legionella bacteria. Finding of the bacteria will initiate next steps which will include if required thermal decontamination and further investigation for plumbing structural issues or point of use environment issue within the building (e.g., labs with rubber or plastic fixtures holding water) | | <p>-General Occupancy Notice for any detectable testing result</p> <p>-Applicable reporting as per OHSA</p> |