



ENHANCING WATER TESTING & SURVEILLANCE

**AQUATIC LIFE INTRODUCES KEMIO™
TO FIRST NATIONS COMMUNITIES**

Aquatic Life Ltd, a long-standing partner of Palintest® in Canada, has been instrumental in supporting Environmental Public Health Services (EPHS) within the First Nations and Inuit Health Branch of Indigenous Services Canada. With the deployment of Kemio™ water testing devices, Aquatic Life has helped EPHS ensure the ongoing surveillance and testing of drinking water supplies in First Nations communities across the country.



BACKGROUND

EPHS has a vital mandate to protect public health by monitoring and testing the quality of drinking water in First Nations communities. With over 400 samples taken per week in Alberta alone, EPHS required a reliable and efficient water testing solution. Aquatic Life stepped in as a trusted supplier, offering the Kemio™ system, which utilizes Palintest's patented single-use sensor technology.

AQUATIC LIFE'S CONTRIBUTION

Kemio™ is available in three variants, each tailored to specific testing needs:

- 1 **Kemio™ Disinfection:** Enables accurate testing for critical disinfection parameters, including Bromine, Chlorine, Chlorine Dioxide, Chlorite, and Peracetic Acid (PAA). Results are obtained in just 60 seconds.
- 2 **Kemio™ Heavy Metals:** Provides expert testing for heavy metal contaminants, particularly Lead, Copper, Cadmium, and Arsenic. Results are obtained in 3 minutes.
- 3 **Kemio™ Multi:** An all-in-one system, it combines the capabilities of Kemio™ Disinfection and Kemio™ Heavy Metals, enabling comprehensive testing for multiple parameters.

KEY INNOVATIONS AND ACHIEVEMENTS

Kemio™ devices have significantly enhanced water testing and surveillance in First Nations communities, delivering the following benefits:

- 1 **Rapid Contamination Identification:** Kemio™ enables the swift identification of water contamination, ensuring immediate action can be taken to protect public health.
 - 2 **Testing Flexibility:** Kemio™ can be used to test water at the source, regardless of its color, turbidity, or presence of fats, oils, greases, and floating particles.
 - 3 **Resource and Time Savings:** The Kemio™ system is easy to use. It saves on resources and training time, streamlining the testing process and reducing operator errors.
 - 4 **Empowering Local Authorities:** Aquatic Life's commitment to providing tailored training and ongoing support has empowered EPHS staff and operators in First Nations communities.
- By enhancing their knowledge and skills through specialized training, local authorities can confidently conduct water testing, ensuring the ongoing safety and compliance of drinking water supplies within their communities.
- 5 **Reliable Data Collection:** Kemio™ devices, coupled with tailored training, facilitate the collection of accurate and reliable data. Through standardized testing protocols and adherence to regulatory requirements, EPHS can generate traceable and auditable datasets. This reliable data supports broad-scale monitoring initiatives and enables evidence-based decision-making regarding water quality and public health measures in First Nations communities.

CLIENT TESTIMONIALS

EPHS has expressed their satisfaction and provided two reference letters attesting to the exceptional services provided by Aquatic Life Ltd:

Simon Sihota, Regional Manager, Environmental Public Health Services, Alberta Region: In his letter, Simon commends Aquatic Life for their exemplary level of service, timely shipments, and dedicated support, which includes tailored training and technical assistance. He highlights the invaluable role Aquatic Life has played in ensuring the safety of drinking water supplies in First Nations communities through their comprehensive training sessions and ongoing support.

Chris Bergeron, Acting Senior Environmental Public Health Officer, First Nations and Inuit Health Branch, Manitoba Region: Chris emphasizes the long-standing partnership between EPHS and Aquatic Life, recognizing their professionalism, communication, and ability to provide tailored training and technical support. Aquatic Life's commitment to supporting the government's efforts in improving the quality of life for First Nations communities is highlighted through their training programs and provision of specialized assistance.



CONCLUSION

Aquatic Life's unwavering commitment to providing not only high-quality products but also tailored training and continuous support has empowered EPHS in their mission to safeguard the drinking water supplies of First Nations communities. Through their collaborative approach, Aquatic Life has played a significant role in building capacity and ensuring the effective implementation of the Kemio™ system, ultimately contributing to the well-being and safety of communities across Canada.

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