

ALMAQUIN NEWSLETTER

June 2025

Volume 3



Ethiopia 2025 Wash Survey



Almaquin Enterprises supports Needs4Water in conducting the WASH survey in 25 schools across Ethiopia

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Collaborating for Clean Water, from Canada to Ethiopia

Almaquin Enterprises continues to deliver impactful water solutions across Canada and beyond. At CSC's William Head Institution, Almaquin secured a second contract extension, restoring automation at the Class 3 wastewater plant and supporting vocational training for inmates. Internationally, Almaquin contributed to the Ethiopia 2025 WASH Survey, helping assess water quality in 25 schools across four regions and supporting data-driven improvements. The company also played a role in a Canadian High Commission-sponsored report

on industrial water challenges in Africa, identifying clean technology opportunities and supporting Operators Without Borders with stakeholder engagement. Domestically, Almaquin co-presented optimization results at the BCWWA conference, showcasing improvements at Lake Cowichan's water treatment plant. Whether supporting federal facilities, remote schools, or industrial systems, Almaquin remains committed to sustainable water management, technical leadership, and building capacity across borders.

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Almaquin Enterprises Supports African Water and Wastewater Report

Learn how Almaquin is supporting Operators without Borders in Africa

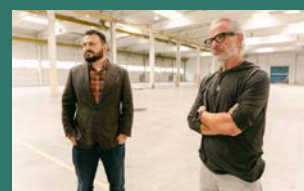
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The Launch of Bravo Zulu Mission Support

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To learn more, visit: <https://www.almaquin.com>



Almaquin Supports Needs4Water in Ethiopia 2025 WASH Survey



A Risk with Every Refill. School boys fill plastic bottles from a half-buried 1,500L plastic tank—uncovered, exposed, and their only source of water. Using a leaky pail tied to a wire, they collect what they can in 30°C heat, unaware of the risks of contamination. The Ethiopia 2025 WASH Survey documents these daily realities to advocate for safer infrastructure, because no student should have to choose between thirst and unsafe water.

In May 2025, Almaquin Enterprises proudly supported Needs4Water in conducting the Ethiopia 2025 Water, Sanitation, and Hygiene (WASH) Survey across 25 schools in Addis Ababa, Oromia, Somali, and Southern Ethiopia. The project aims to evaluate school WASH conditions, amplify student voices, and provide actionable data for improvements.

Led by Needs4Water founder and water-quality specialist Asmahan Rabo, and supported by Almaquin, the multinational field team, including Dr. Mulugeta Genanu, Abubakar Bette, Jemal Taha, Peter Ptah, and Daniel Bett, visited diverse locations from urban campuses like Kokebe Tsibah Secondary School and Etege Menen Girls Boarding School in Addis Ababa, to remote institutions such as Hussein Gire Primary and Ahmed Guray Secondary in the Somali Region.



Clean Water, Bright Futures. By involving children directly during our school assessments, we're empowering future leaders committed to safer water, stronger hygiene, and healthier communities.

The team utilized comprehensive methodologies, including WHO/UNICEF Joint Monitoring Program (JMP) service ladders for infrastructure assessment, real-time digital data collection via KoboToolbox, and the Water Insecurity Experience Scale (WISE) survey, conducting over 1000 interviews with students and staff. Additionally, the survey included water-quality tests for critical contaminants like *E. coli* and chlorine levels.

Direct engagement with students and staff was central to the survey. Students actively participated, sharing personal experiences and highlighting areas of concern, such as inadequate

sanitation facilities and unsafe drinking water. In one notable instance, secondary school boys were observed drawing water from a 1500L half-buried tank using a cut pail on a wire. Unsurprisingly, the water tested positive for bacteria due to the unsecured conditions. The voices of girls and marginalized students were prioritized to identify disparities and promote solutions addressing the needs of all learners.



Understanding Water Through Their Perspective. Asmahan Rabo of Needs4Water conducts the Water Insecurity Experience Scale (WISE) with twelve young students. Their voices reveal how water access affects their well-being, focus, and dignity at school. By creating a safe space for honest conversation, the Ethiopia 2025 WASH Survey ensures that girls' experiences inform meaningful, student-centered solutions for cleaner, safer learning environments.

Moving forward, one school from each of the four regions will be selected for long-term monitoring, ensuring sustained improvements and accountability.

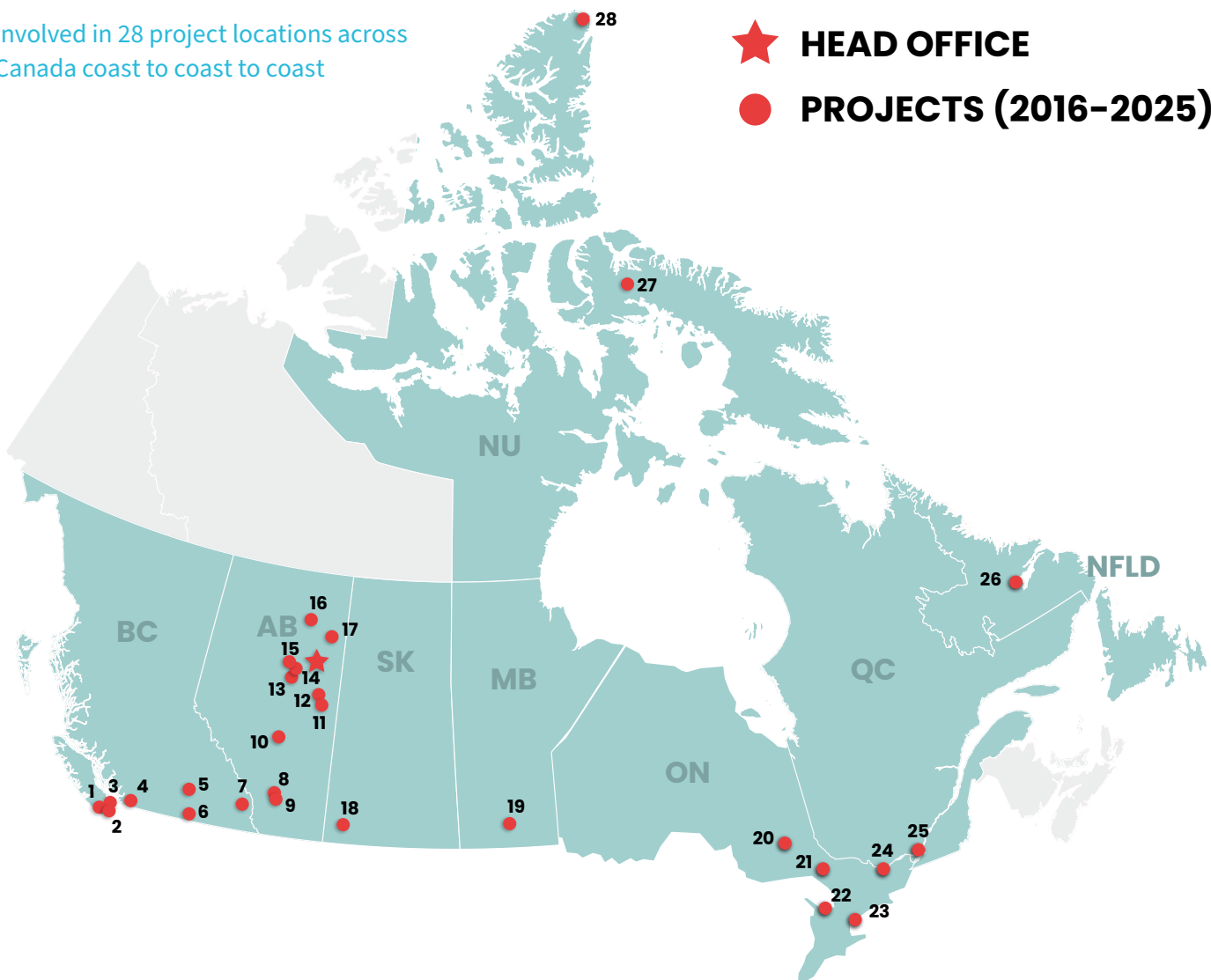
The data gathered will guide targeted interventions and infrastructure improvements tailored to each school's specific needs. Almaquin's involvement underscores its ongoing commitment to clean water, student dignity, and equitable education. By providing technical expertise and supporting community-driven approaches, Almaquin and international partners continues to champion sustainable WASH solutions that impact real lives across Ethiopia.

Almaquin Projects

Since 2016, Almaquin Enterprises Limited has completed water and wastewater management projects in 28 locations, demonstrating its expertise and reliability. Their work includes military bases, remote communities, industrial sites, and resorts, consistently meeting client needs and ensuring high standards and regulatory compliance.

Involved in 28 project locations across
Canada coast to coast to coast

★ **HEAD OFFICE**
● **PROJECTS (2016–2025)**



- | | | | | |
|------------------------|-------------------------|------------------------------|----------------------|---------------------------|
| 1. Lake Cowichan, 2025 | 7. Elkford, 2021 | 13. Brintnell Camps, 2018 | 19. South Port, 2023 | 25. Montreal, 2023 |
| 2. William Head, 2025 | 8. Calgary, 2025 | 14. Pelican Lake Lodge, 2019 | 20. Côte Gold, 2025 | 26. Goose Bay, 2020 |
| 3. Mill Bay, 2024 | 9. High River, 2024 | 15. Woodenhouse Camp, 2019 | 21. North Bay, 2016 | 27. Mary River Mine, 2025 |
| 4. Vancouver, 2023 | 10. Edmonton, 2025 | 16. Horizon Lodge, 2017 | 22. Meaford, 2024 | 28. CFS Alert, 2024 |
| 5. Kelowna, 2025 | 11. Primrose Camp, 2019 | 17. Sunrise Camp, 2019 | 23. Toronto, 2022 | |
| 6. Oliver, 2025 | 12. Kirby Lodges, 2019 | 18. Gull Lake, 2023 | 24. Ottawa, 2023 | |



Almaquin and Needs4Water Present at the 50th Annual Operators Seminar in Banff

Strengthening Communities through Water Management and Training

Mike Hewitt of Almaquin Enterprises and Asmahan Rabo of Needs4Water co-presented at the 50th Annual Operators Seminar Trade Show in Banff, March 2025. Mike discussed his experience delivering operator training in Nakuru, Kenya under Operators Without Borders, emphasizing practical skill development and local capacity-building. Asmahan shared findings from the Institutional WASH Insecurity Experiences (INWISE) survey in Ethiopia, highlighting the use of digital data collection methods to guide effective improvements in school sanitation and water quality. The combined presentations focused on practical approaches to improving water management and community health through operator training and data-driven interventions.



Almaquin Secures Second Contract Extension at William Head Institution

Continuing Wastewater Management at CSC William Head

Almaquin Enterprises has secured its second contract extension for the operation of the Class 3 wastewater treatment plant at Correctional Service Canada's (CSC) William Head Institution (WHI) in Metchosin, British Columbia. Operating the facility since April 2024, Almaquin has delivered consistent improvements, notably restoring full functionality to the plant's automated systems, thereby enhancing overall operational effectiveness and compliance. Robin McLean, Almaquin's Chief Operator with over 25 years of wastewater management expertise and Level IV certifications, continues to lead the operation, ensuring reliable facility performance and supporting CSC's broader rehabilitation mission. Almaquin's ongoing efforts contribute positively to WHI's unique rehabilitative environment, fostering vocational opportunities and meaningful career paths in wastewater operations for the inmates.



Almaquin and Stantec Present at BCWWA Conference, April 29, 2025

Optimizing Aluminum Levels at Lake Cowichan Water Treatment Plant

Mike Hewitt from Almaquin Enterprises co-presented with Dr. Cristina Fonseca of Stantec at the BC Water & Waste Association (BCWWA) conference on April 29, 2025. Their presentation detailed optimization efforts at the Lake Cowichan Water Treatment Plant, specifically addressing elevated aluminum concentrations in treated water. Mike and Cristina shared findings from a detailed bench-scale study which identified ideal coagulation pH levels and alum dosages. Their recommendations included maintaining a coagulation pH of 7.0, optimizing filtration to achieve low turbidity, and closely monitoring total and dissolved aluminum. These adjustments helped improved water quality, ensuring compliance with Canadian drinking water guidelines.



Almaquin Enterprises Supports African Water and Wastewater Report with Operators Without Borders

Almaquin is pleased to announce its involvement with Operators Without Borders (OWB) in preparing a Canadian Trade Commission Service (TCS) sponsored report that explored industrial wastewater treatment in Kenya, Nigeria, and South Africa, focusing on technological needs, market trends, and potential partnerships for sustainable water management.

Almaquin supported OWB in conducting research and stakeholder interviews in Kenya and contributed to writing the report. The resulting market analysis identified key sector challenges, including aging infrastructure, non-compliance with environmental standards, non-revenue water (NRW) losses, and underfunded regulatory agencies. Recommended solutions included decentralized wastewater treatment systems, digital monitoring technologies, and renewable energy solutions such as biogas recovery.

Industries such as mining, agriculture, manufacturing, and food processing increasingly adopted sustainable practices due to rising water scarcity and under-resourced public sector management. The report highlighted an urgent need for capacity building, an area where OWB, with Almaquin's support, can offer targeted training programs for local operators, technicians, and regulators. These initiatives addressed skills shortages and limited access to advanced technologies, both essential for achieving long-term sustainability in water and wastewater operations.

Almaquin's contributions included summarizing stakeholder insights that emphasized the importance of addressing water challenges in remote and underserved areas. Canadian clean technologies, including membrane filtration, sludge processing, and biogas-to-energy systems, were identified as effective tools for improving operational efficiency among industrial water users.

The report identified specific opportunities for Canadian clean technology providers, noting growing demand for affordable, easy-to-implement solutions such as lagoon wastewater treatment systems, which were ideal for regions

with limited infrastructure. Canadian companies specializing in these solutions were well-positioned to offer sustainable, energy-efficient options that delivered significant return on investment.

Finally, the report recommended a long-term market entry strategy for Canadian providers, emphasizing the value of engaging key stakeholders through webinars, demonstrations, and pilot projects to build trust and demonstrate the effectiveness of Canadian technologies.

On December 10, 2024, Valerie Jenkinson, Chair of OWB, presented the report's findings during a widely attended webinar organized by the TCS, showcasing the collaborative insights and actionable recommendations generated through this initiative.

Through this project, Almaquin reinforced its global commitment to sustainable water management solutions, enhanced collaboration with OWB, and help support sustainable growth across Africa's water and wastewater sectors. Almaquin remains dedicated to advancing innovative solutions for operational efficiency, environmental compliance, and long-term sustainability worldwide.



Valerie Jenkinson, Chair of Operators Without Borders, with the Water and Sanitation Providers Association (WASPA) in Nairobi

Featured Associates Joining Almaquin

Almaquin is enhancing its services by welcoming three new associates: a Civil and Environmental Engineer, a Water and Wastewater Treatment Operator, and a Senior Consultant.



Abubakar Batte

Civil and Environmental Engineer

Abubakar Batte is a Civil and Environmental Engineer who contributed to the Ethiopia 2025 WASH Survey by migrating the Institutional WASH Insecurity Experiences (INWISE) survey over to KoboToolbox, enabling real-time digital data collection. With a Bachelor's degree in Civil Engineering from Makerere University and international experience through an EPP Fellowship at Eawag in Switzerland, Abubakar specializes in water quality, infrastructure efficiency, and data-driven environmental assessments. His proficiency in digital survey tools and his commitment to improving water, sanitation, and hygiene practices have enhanced the accuracy and immediacy of data collection, supporting informed decision-making and sustainable project outcomes.

[Read more about Abubakar](#)



Malcolm Peigan

Water and Wastewater Treatment Operator

Malcolm Peigan is an experienced water and wastewater treatment operator who recently supported Almaquin on a project at a major mine in Nunavut, focusing on the treatment of tailings pond water. With Level 2 certifications in all four disciplines, Malcolm brings extensive expertise in plant operations, compliance management, and troubleshooting complex treatment systems. His background includes roles in the oil and gas industry, where he supervised operations, conducted chemical membrane cleaning, managed compliance testing, and trained junior operators.

[Read more about Malcolm](#)



Mark Harris

Senior Consultant

Mark Harris is a senior consultant with Almaquin Enterprises, where he has contributed his expertise in water and wastewater management to support a project with the Alberta Utility Commission. Mark brings over three decades of operational and managerial experience in municipal utilities, regulatory compliance, asset management, and infrastructure projects. His background includes senior roles at OCWA and leadership positions overseeing environmental services in municipal settings, emphasizing his capability in guiding complex water infrastructure projects.

[Read more about Mark](#)

Almaquin and IGY6 Consulting Launch Bravo Zulu Mission Support in Ukraine

Almaquin Enterprises is excited to announce the launch of Bravo Zulu Mission Support (“Bravo Zulu”), a newly formed company developed in partnership with IGY6 Consulting. As a strategically positioned international arm of Dexterra Group, Bravo Zulu has established operations in Ukraine, actively positioning itself to play a role in the anticipated reconstruction efforts following the conclusion of hostilities with Russia.

The formation of Bravo Zulu represents a significant milestone for Almaquin Enterprises, expanding its longstanding commitment to delivering critical infrastructure support and project management into the international arena. By leveraging IGY6 Consulting’s global project management expertise gained through successful missions in global defense and support environments such as Bosnia, Camp Julien, Kandahar, Haiti and Africa, Bravo Zulu is uniquely equipped to meet the demands of complex international assignments.

Bravo Zulu is currently building vital connections within Ukraine, showcasing its capabilities to key stakeholders including NATO and various international aid agencies. Recently, senior representatives from Bravo Zulu, including Murray Dawes and Roberto Hernandez, conducted high-level meetings in Kyiv with Canadian Ambassador Nataalka Cmoc and Peter Cahill from Global Affairs Canada. The Ambassador expressed strong enthusiasm for the presence and proactive involvement of Canadian companies, highlighting Bravo Zulu’s strategic role in preparing for significant NATO-aligned infrastructure projects and essential support services in Ukraine.

Bravo Zulu offers specialized services in Pre-Deployment Hostile Environment Awareness Training (HEAT) courseware, personalized travel logistics, and risk mitigation. Drawing on global experience in conflict zones, Bravo Zulu aims to build lasting partnerships

across government, business, and civil society to aid Ukraine’s stabilization and recovery.

Almaquin Enterprises views the launch of Bravo Zulu as an opportunity to further extend its reputation of operational reach beyond Canadian borders. As Bravo Zulu continues to develop strong partnerships, engage industry peers, and align with government agencies, the company will play a crucial role in supporting Canada’s strategic international objectives and aid in Ukraine’s successful recovery and reconstruction efforts.



From left to right: Roberto Hernandez (Bravo Zulu), Nataalka Cmoc (Canadian Ambassador to Ukraine), Murray Dawes (IGY6) and Peter Cahill (Global Affairs Canada). Photo taken at the Canadian embassy in Kyiv, Ukraine.



To learn more, visit: <https://bravozulugroup.com>



Our team of professionals and strategic partners offer a comprehensive range of services tailored to meet your unique needs

Excellence in Water Treatment Solutions

Our reputation in the industry is built on expertise, reliability, and a commitment to excellence.

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