CASE STUDY

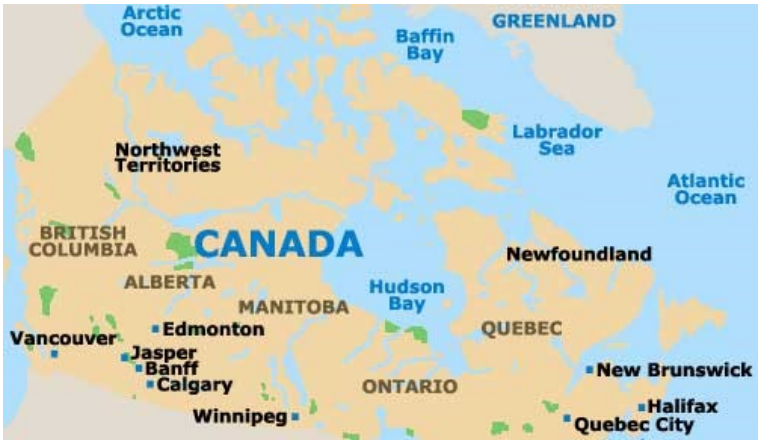
Public Water Disinfection Laundromat – Bently Colony, Blackfalds, Alberta, Canada

Executive Summary

Oil Wells in the local vicinity and subsequent fracking had destroyed sanitized water formation and the local community had not been able to get the Sulfur and Iron reducing bacteria under control since. The client had Tried Sodium Hypochlorite, Hydrogen peroxide and UV. All had failed to effectively kill the Sulfur Reducing Bacteria (SRB) and Iron Related Bacteria (IRB).

ECA was also used for water feeding 18 homes a central Laundromat and central Kitchen.

Population: 100 people.
Drinking Water Consumption 37 m3/day.
Previously Used: UV, Sodium Hypochlorite, Hydrogen Peroxide.



Reported Benefits of Using ECA Technology

Safety

- No dangers & setbacks associated with Chlorination and/or hazards associated with transportation of the toxic substance.
- No Need to mix or dilute hazardous chemicals
- Environmentally Friendly Solution

Efficiency

- Elimination of Biofilms and inactivation of pathogenic microorganisms including Legionella species and nil bacteria counts.
- Creates longer lasting residual than traditional chlorination, often at a lower dosage.
- Signification reduction of Trihalomethane and other DBP.

Cost Reducing

- ECA Generator system is fully automatic and only requires minimal operator attention.
- No need for transport, handling or storage of chlorine gas or hypochlorite.
- On site installation in close proximity of urban population.

ECA STANDS FOR ELECTRO-CHEMICAL ACTIVATION. ECA IS A PATENTED TECHNOLOGY FIRST INVENTED IN RUSSIA AND BEEN UNDER DEVELOPMENT FOR OVER 40 YEARS. THE ACTIVATION PROCESS USES WATER, SALT AND ELECTRICITY & PRODUCES A POTENT SAFE DISINFECTANT AND DETERGENT.