

PROJECT PROFILE

AREVA (COGEMA RESOURCES, INC.)

MCLEAN LAKE URANIUM MINE & PROCESSING



Facility: Cogema McLean Lake is a \$450 million uranium mine and processing facility located in Northern Saskatchewan. Beginning production in June 1999, McLean Lake has increased its annual licensed production level from 6 to 8 million lbs. U3O8.



Delco Scope: Delco Automation managed the entire Automation Commissioning team for the Job Mill, Camp Services, Sue WTP, and substation projects including supervision of on-site Engineers, Electricians, and Instrument Technicians. Delco also engineered and supplied the majority of the PLC control panels and marshalling panels. All process control systems for the plant were brought online, including interfaces to numerous vendor skid packages.

Systems included 2 water treatment plants, potable water SCADA system, building HVAC controls, grinding, leaching, CCD, clarification, reagents, tailings neutralization, solvent extraction, strip purification, yellowcake drying and packaging, acid plant, crystallization, boiler and powerhouse utilities.



Technology: The control system included Fisher-Provox DCS CPU's and graphics consoles, Modicon Quantum, Compact, and Micro PLC's on a MB+ network, and Hart Transmitters.

I/O Count: 10,000+

LOCATION: McLean Lake, SK
OWNER: Cogema Resources, Inc.
CONSULTANT: Kilborn Engineering, AMEC

