

Denison Closed Mines Community Newsletter

2022 Annual Update – Elliot Lake

Serpent River Watershed Health and Safety



Following the end of mining in the 1990's, the Elliot Lake mining areas were decommissioned. The decommissioned mining areas are owned by Rio Algom and Denison Mines. Every five years, the two companies collaborate on a large study to evaluate the safety and stability of the decommissioned sites and surrounding areas (watersheds).

The 2022 water quality monitoring program indicates that the tailings sites and the surrounding surface and ground water are safe and stable. Water quality remains well managed by the water treatment plants, and water released from the Denison and Stanrock closed mine sites continues to meet regulatory limits and quality standards. Water quality in Quirke Lake and further downstream in the Serpent River Watershed resembles water in areas where no mining activity occurred or water quality before mining. The water quality protects aquatic life.

Regulatory Oversight

Staff from the Canadian Nuclear Safety Commission toured the Denison and Stanrock sites in October 2022. The tour provided an opportunity for Denison and CNSC staff to discuss recent activities on the site, activities planned for future years, and to share perspectives on best practices. The tour also introduced new CNSC staff to the physical sites.



Environmental Coordinator Val Kilp at the Stanrock site, overlooking Quirke Lake, during the 2022 CNSC staff site tour

The Facts: Stanrock Site (Former Producing Mine for Denison)

- Tailings: 1 dry-cover tailings management area of 52 hectares
- Effluent: 1 effluent (water) treatment plant
- Mining: operations started in 1958 – ended in 1990
- Product: uranium ore

The Data:

- ✓ Ongoing regulatory compliance
- 🧪 ~ 250 water samples/year on DMI sites
- 📅 40,682 hours without a lost time injury by Denison employees at Denison and care and maintenance sites in 2022. Congrats!
- 📖 ~ 2,000 to 4,500 million litres of water treated annually based on weather and treatment plant operation
- 🌿 5 year study rotation of fish, benthics (clams, worms, etc.), and aquatic plants
- 🔍 Diverse inspections throughout the year, including:
 - 7-8 dam and facility inspections
 - Quarterly plant health and safety inspections
 - Annual culverts and shaft cap inspections
 - Biennial (every two years) pole line inspections

The Facts: Denison Site (Former Producing Mine for Denison)

- Tailings: 2 water-covered tailings management areas over 280 hectares
- Effluents: 2 effluent (water) treatment plants
- Mining: operations started in 1957 – ended in 1992
- Product: uranium ore and yttrium

Contact Us

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In the Community

Carol Harwood, Accountant at Denison's Elliot Lake office participated in the Homeless Challenge with local mayors, staff from Maplegate House and other community members. The challenge participants pitched tents or used makeshift shelters at the Old Algoma Mall site for an entire week. "We used restaurants restrooms to freshen-up in the mornings so that we could still do our day jobs," recounts Carol. "It was rough, the weather was hot and sunny but the nights were cold and damp."

The challenge was even mentioned at the Ontario Parliament. In the end, the group raised about \$16,000 to support the operations of Larry's Place, the local men's shelter. Larry's Place opened five years ago and has been operating thanks to individual community members and businesses' donations.

Contact Maplegate for support:

Phone: 705-461-9868
Toll-Free: 1-833-461-4623
Crisis: 705-461-9868
Email: yourfriends@eastlink.ca
Website: maplegatehouse.ca



Proceed with Caution

Access to the former Elliot Lake mine sites is restricted. Although some areas may look like nice walking trails, please remember that these are decommissioned sites that could present some industrial hazards. For your safety and that of our employees, please obey all signs and do not use the trails. These paths are restricted accesses for Denison's employees to perform their monitoring of the sites.

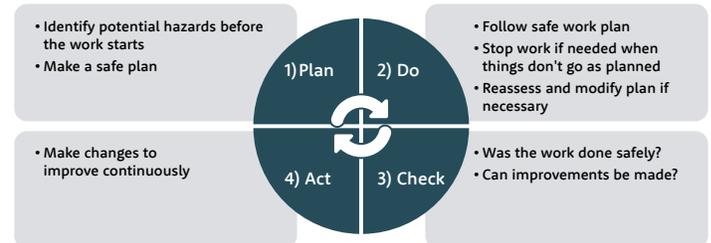
Denison in Saskatchewan

In addition to its closed mines activities in Ontario, Denison has active uranium exploration, development, and mining projects in the Athabasca Basin region of northern Saskatchewan. Denison's flagship project is called Wheeler River, which is located near Cameco's McArthur River mine and Key Lake mill. In 2022, Denison received regulatory approval to complete a field feasibility test for the in-situ recovery (ISR) mining method at Wheeler River's Phoenix deposit. The test was successfully completed in late 2022 and demonstrated Denison's industry leadership in bringing this low-cost and low-impact uranium mining method to Canada. For more information, visit denisonmines.com

Good to Know!

At Denison Mines workers are empowered to make safe decisions to protect themselves, their colleagues, and the public.

To ensure a safe workplace for everyone, team members apply the following steps:



These same steps can be applied at home. Taking a few extra minutes to evaluate your environment and preparing for the work ahead could mean the difference between safe work completion, injury, or even death.

Looking Back 50 and 40 Years

1973 Safety Awards



The first mechanical crew to achieve a safety award in a number of years was Fern Lortie's crew of diesel mechanics from the underground garage. These men attained 3,000 injury-free shifts and received suitable awards.

1983 Safety Awards



Total 20,000 accident-free shifts. W. Sigglekow, G. Caissy, G. Overland, R. Foisy, D. Hardwood, R. Healey, D. Piche, R. Giroux, B. Upward, C. Maheur, W. Mitchell, K. Penton, R. Duffy, R. Wolfe, Shop Supervisor; G. Sanders, Superintendent Mechanical Maintenance; B. Barker, General Foreman; N. Kuisma, Safety Officer; B. Stefanovic, D. Howard, G. Louiseize, P. Brunelle, E. Mack, G. Labelle, G. Brunet, P. Moreau, Manager of Maintenance Services and Colin Benner, General Manager.