

AREVA njih ghalaná honie

Spring 2017 - Our connection with the Athabasca Basin

Fond du Lac * Stony Rapids * Black Lake * Hatchet Lake * Camsell Portage * Uranium City * Wollaston Lake

The McClean Lake Operation is seeking the renewal of its Canadian Nuclear Safety Commission (CNSC) operating licence. The CNSC will be holding public hearings in La Ronge on June 7 and 8 to consider the licence renewal requested by AREVA. The CNSC will be reviewing key operational information to ensure that AREVA is qualified to operate McClean Lake and to limit the risks to the health and safety of workers and the public, to protect the environment, as well as to limit the risks to national security, while remaining consistent with Canada's international obligations. AREVA is requesting that the CNSC consider granting a 12-year licence.

In this issue of the newsletter we put the focus on McClean Lake Operation's performance

Community Consultations: Sharing Information and Hearing Concerns

The Ya'thi Néné Lands and Resources Office organized a series of community meetings early in 2017 in which AREVA and the CNSC were invited to participate. The meetings took place in Hatchet Lake on January 24, in Black Lake the next day and ended in Fond du Lac on January 26. During these meetings, the Executive Director of the Ya'thi Néné Lands and Resources Office, Diane McDonald, discussed the Ya'thi Néné Collaboration Agreement, Adam Levine and Richard Snider of the CNSC discussed the CNSC Licence renewal process, and Carolanne

Inglis-McQuay, Glenn Lafleur and Patty Simpson of AREVA discussed the performance of the McClean Lake Operation and the request for a 12-year licence term. Aside from the evening public meetings, during the days the group also met with the leadership of the communities, and when possible, with the high school students. Each community meeting opened with a drumming ceremony, and included a home-cooked community feast! The questions and comments made to the presenters were responded to, and recorded properly.



Drumming ceremony starting the Hatchet Lake Meeting



Diane McDonald during the Black Lake High School Presentation



Glenn Lafleur presenting at the Fond du Lac Community Meeting

If you were not able to attend a community meeting or still have a question about the McClean Lake Operation Licence Renewal, please do not hesitate to send an email to publicrelations@areva.com and we will get back to you directly.



» Radiation: Ensuring Constant Protection

At the McClean Lake Operation, AREVA has a Radiation Protection Program that ensures that radiation doses are monitored and controlled. This program is rooted in the principle of maintaining radiation exposure doses As Low As Reasonably Achievable while taking into account social and economic factors. A dosimetry (exposure dose measurement) monitoring procedure ensures that employees are monitored adequately. Our radiation protection group also performs regular area radiological monitoring throughout the McClean Lake Operation. Routine area monitoring includes measuring gamma radiation, radon progeny and long lived radioactive dust, according to a matrix of sampling locations and sampling frequencies. We continuously assess the performance of the radiation protection program through the review of worker doses and area monitoring results.

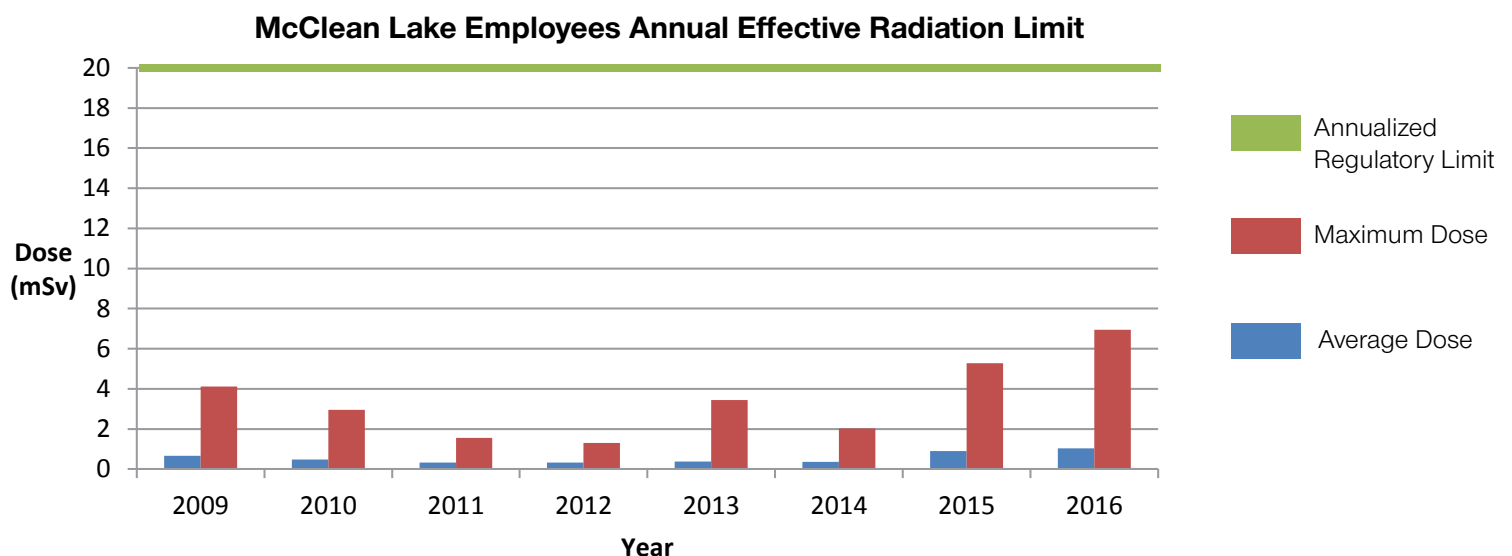


Individual Radiation Monitoring Badges



Performing Area Monitoring in the McClean Lake Mill

The figure below shows the maximum and average site doses over the past 8 years at the McClean Lake Operation relative to the average regulatory effective dose limit of 20 mSv per year (mSv or millisievert is a measure of radiation dose). From mid-2010 until the fall of 2014, the McClean Lake mill was placed in care and maintenance, so it did not produce uranium concentrate during that time. This graph demonstrates that radiation doses are well below the annualized regulatory limit, even with the restart of the McClean Lake mill with the processing of high grade uranium ore and increased production levels in 2015 and 2016.



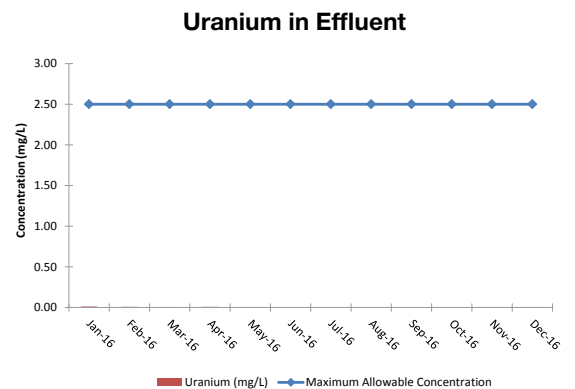
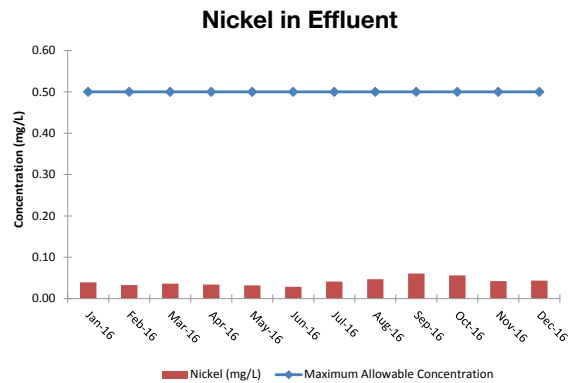
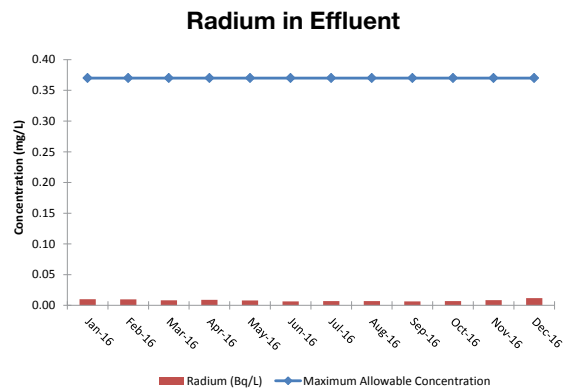
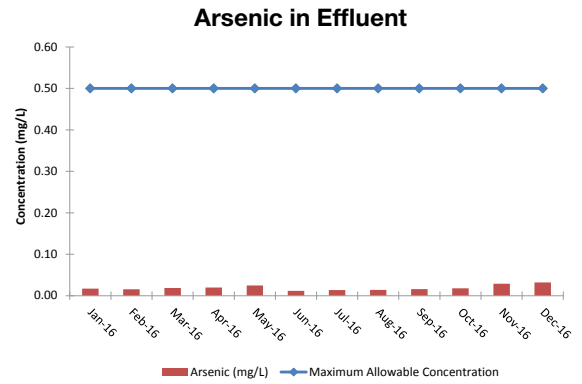
Environment: Ongoing Monitoring and Care

At the McClean Lake Operation, AREVA manages environmental protection through the Environmental Management System (EMS), which provides a structure to control environmental issues that arise and prepare for potential future concerns. Since the start of operation and to this day, the EMS has proven to be successful in the prevention of unreasonable risk to the environment.

Protection of surface water quality is a very important aspect of our environmental protection program. At the McClean Lake Operation, there are many sources of water that come into contact with our mine area and milling facilities that require treatment. These include water used in ore processing, from the tailings management facility, surface runoff from the mill terrace, sewage and sanitary water, mined out open pits and others.

We use a three stage approach for water treatment, where the water is treated three separate times using different types of chemicals. Before the treated water is released from the holding ponds, it is checked to make sure it meets quality criteria. This water is called Treated Effluent, which is released into the Sink Vulture Treated Effluent Management System (SV/TEMS) – a central system made up of the Sink and Vulture reservoirs linked by a berm that is located on our surface lease. From the SV/TEMS the water flows towards Collins Creek, which is an important location for our water monitoring program. Our Surface Lease ends, there, and we must ensure that the water quality meets Saskatchewan Surface Water Quality Objectives.

The graphs on the right show the differences between the regulatory limits (blue line) and the sampling results (red bars) for each of elements from the water released to the environment at the water treatment plant at McClean Lake in 2016. The graphs indicate that concentrations of elements in our treated effluent are well below the regulatory limits.



McClean Lake annual reports and environmental performance documents can be requested via our website www.avevaresources.ca



Athabasca Basin Scholarship Program 2017 - 2018

(FOR ATHABASCA BASIC RESIDENTS ONLY)

The Yathi Nene Lands and Resource Office is offering scholarships for residents of the following communities:

- Black Lake First Nation
- Northern Settlement of Camsell Portage
- Fond Du Lac Dene Nation
- Hatchet Lake First Nation
- Northern Hamlet of Stony Rapids
- Northern Settlement of Uranium City
- Northern Settlement of Wollaston Lake

Candidates for the scholarships must:

- Qualify as "Athabasca Basin Residents" in accordance with the definition outlined in the Yathi Nene Collaboration Agreement
- Qualify for entrance to a Post Secondary Program
- Be applying for or is accepted into a Post Secondary Program, which in the opinion of the Yathi Nene Scholarship Committee, would be of benefit to the Athabasca Basin.

**For applications and information about the 2017 - 2018
Scholarship Program, please direct inquiries to:**

Scholarship Selection Committee
Yathi Nene Lands and Resource Office
Box 310
Fond du Lac, Sask
S0J - 0W0
Phone: 1 306 686 2250 Fax: 1 306 686 2252
Email: stacy.howat@yathinene.com

SCHOLARSHIP APPLICATION DEADLINE DATE: JULY 31, 2017.



There are currently **331 employees** at McClean Lake including **50% who are northerners, 45% Aboriginal and 26% from the Athabasca Basin communities.**



In 2016 AREVA purchased **\$44 million** in goods and services from Athabasca Basin owned businesses, representing **43%** of its expenditures with Saskatchewan based companies.

Connect With Us

Saskatoon

Carolanne Inglis-McQuay - Senior CSR Advisor
carolanne.inglis-mcquay@areva.com
Tel: (306) 343-4500

La Ronge

Glenn Lafleur - Manager, Northern Affairs
glenn.lafleur@areva.com
Tel: (306) 425-6880

Connie Mercredi - Workplace Development Advisor
connie.mercredi@areva.com

Write to us:

PO Box 9204
Saskatoon SK S7K 3X5

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