

JUNE 2013 CONNECTION

Dear Friends and Neighbours!

With all of the great weather we have been experiencing it is finally starting to feel like summer. The spring and summer seasons are normally the busiest at Genesee Station and 2013 is no exception.

I am happy to report that the Genesee Unit #1 maintenance/turnaround occurred between April 19 and May 16 without incident thanks in large to the hard work completed safely by employees and contractors.

In this newsletter we are pleased to provide you information on the following:

- The Falcons
- Community Events
- Reclamation

Safety continues to be a number one priority for Capital Power and we thank the community for continuing to report unsafe driving. Each call is followed up on and appropriate action has and will continue to be taken. We encourage motorists that witness unsafe or aggressive driving behaviour in the area to report license plate numbers and vehicle descriptions to the local RCMP; also contact Capital Power's Community Consultation line **780-848-8474** so license plate numbers can be verified on site.



SEAN FUREY, Plant Manager
Genesee Generating Station, Capital Power



Sean Furey.

Falcon's Nest – 2013



The 2013 falcon season is off to a great start! The new and much improved HD live stream camera is up and operational allowing the falcon fanciers an opportunity to watch the birds in real-time. By April 29 all four eggs had been laid and on June 2 the last egg hatched.

"On June 24, Gordon Court, Provincial Peregrine Specialist, came to site to band the chicks," said Jennifer Linder, Land Management Project Coordinator. "The chicks were removed from the nest, banded, and quickly returned to the nest without incident. We look forward to seeing them grow and fledge over the next couple of weeks."

GENESEEE STATION

BOX 20, SITE 2, RR #1
WARBURG, ALBERTA T0C 2T0 CANADA

Tree Planting 2013



Newly planted saplings.



One-year-old.



Two-year-old.



Three-year-old.

As part of the reclamation program at Genesee Mine a 30-acre parcel of land was planted with 18,000 hybrid poplar trees. The parcel is located south of the power plant on the west side of Hwy 770. Past reclamation efforts have focused on re-creating farmland after mining, and now in addition to that, Capital Power is striving to diversify the landscapes that are reclaimed. This will allow for a variety of land uses and habitat restoration in the area.

“Mother Nature made planting difficult for us with large amounts of rain and high winds,” said George Greenhough, Land Manager. “The saplings we planted are approximately 10–12 inches tall; in two years they will be 2–3 feet tall. Currently, there are two other hybrid poplar plantation sites in Genesee Mine. They are now in their third growing season and well established.”

In Your Community

4th Annual Genesee Mine Tour

On June 27, 2013, Capital Power and Sherritt Coal hosted approximately 230 local area residents at our 4th Annual Research Field Day.

It was a perfect evening for the event; guests enjoyed a BBQ dinner and a two hour tour of the Genesee Mine. The tour included stops at:

- The Genesee View Point – home of a retired haul truck
- The West Field – viewed the mining operation from the pit floor
- Cooling Pond
- Farmland reclamation
- Tree Planting – Eckhart Marinholtz of the University of Alberta’s research
- Tour around Plant Site

“The annual mine and reclamation tour has grown tremendously in popularity over the years,” said Lee Simants, Public Consultation Advisor. “In 2010, we had 45 participants; this year we had nearly five times that number. The tour has become a great local tradition.”

Warburg Canada Day

On Saturday, June 22, Capital Power was pleased to host a tent at the Village of Warburg’s Canada Day celebration. The tent was home to three face-painters, cupcakes and information on the Genesee operation.



Report Wildlife – Wildlife Monitoring

Capital Power continues the Wildlife Monitoring program on the main thoroughfares around the Genesee Station to determine areas that show high frequency for wildlife-vehicle collisions.

Capital Power shares this report with Leduc County and it is incorporated into the bio-monitoring program that is ongoing in the Genesee area. Reported incidents are used as a basis to improve visibility or signage in those areas considered most frequented by wildlife.

Call **780-848-8474** to report the location of any road kill sightings or accidents involving wildlife, or to report any wildlife concerns in the Genesee area.

What Is Important to You?

The *Genesee Station Connection* newsletter is written for members of the Genesee community. We think it's important for our neighbours to have the opportunity to learn and ask questions about our operations and our activity in the community.

Topics are chosen that we think would be of interest to our readers, but as this is a newsletter for neighbours, we want to know what you would like to read about.

Help us continue to improve the newsletter by telling us what kind of information you would be interested to learn more about. Comments and suggestions can be made by contacting the Community Outreach Team (contact information on back page).

All You Want in a Career

Are you, or is someone you know, interested in working at Capital Power?

We provide careers that offer professional growth, new challenges, recognition and long-term satisfaction.

For more information on starting a career with Capital Power and to view current job opportunities, visit our website at www.capitalpower.com/careers. Capital Power is an equal opportunity employer.

Sherritt Coal wants you to start now, grow professionally and emerge as a leader in the coal mining industry, where there are opportunities in a number of work areas. For more information about Sherritt's Coal business, or to view all current job opportunities, visit www.sherritt.com.

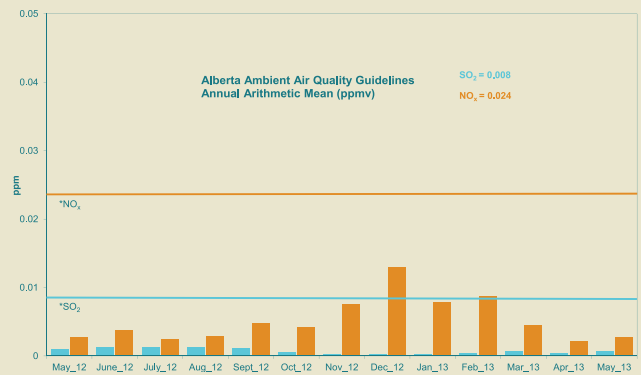
Genesee Station Environmental Performance

The following graphs show the most recent environmental performance results:

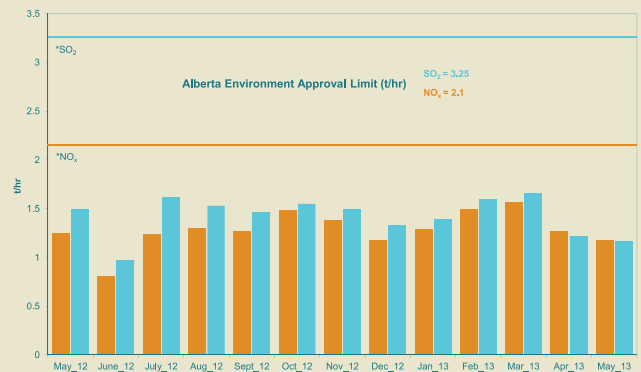
- ▣ Ambient air quality as measured by the Genesee ambient air monitoring trailer;
- ▣ Stack emissions for stack one (for generating units 1 and 2);
- ▣ Stack emissions for stack two (for generating unit 3).

Measurements are compared to guidelines and approval limits set by Alberta Environment. Genesee continues to operate below maximum levels set for ambient air quality and stack approval limits.

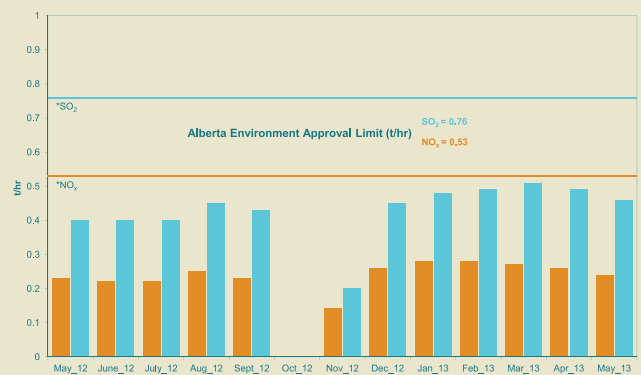
AMBIENT EMISSION LEVELS



G1/2 EMISSION LEVELS



G3 EMISSION LEVELS



**Sulphur Dioxide (SO₂): a strong smelling, colourless gas that is formed by the combustion of fossil fuels. In high concentrations, SO₂ is known to be harmful to vegetation and human health. SO₂ is soluble in water and excessive levels can lead to sulfuric acid deposition or acid rain.*

Nitrogen Oxides (NO_x): the term used to describe NO (nitrogen oxide), NO₂ (nitrogen dioxide) and other nitrogen oxides. The major sources of man-made NO_x are high-temperature combustion processes, such as those occurring in automobiles and power plants. When concentration is high, NO_x is of concern because it contributes to ground-level ozone or smog. Genesee 3 approval limits are based on a 720 hour rolling average.

Note: All results are converted to reference standard conditions so as to be comparable to other coal fired plants in Alberta and elsewhere, and are dry concentrations corrected to 50% excess air; ppm: parts per million. An example of the quantity of Sulfur Dioxide and Nitrogen Oxides measured at ambient air sites in parts per million would be equal to approximately 1/100th of a grain of salt per breath of air. G3 has separate approval limits from G1 and G2 for its stack emissions. G3 approval limits are in terms of a mass emission rate (i.e. tonnes per hour). To be consistent for all units, we have shown G1 and G2 emissions and limits in tonnes/hour as well.

12TH FLOOR EPCOR TOWER
1200 – 10423 101 STREET NW
EDMONTON, AB T5H 0E9



GENESSEE CONTACT INFORMATION

Below are some contact numbers if you have questions or comments about our operations, community outreach or our land management practices:

Generating Station Reception
780-848-8300

Community Consultation,
Lee Simants **780-848-8474**
PublicConsultation@capitalpower.com

Manager, Environment & Land Services
George Greenhough **780-969-8618**

Genessee Guardhouse
(24-hour Security)
780-969-8505

Capital Power Website
www.capitalpower.com



We are proud community members and appreciate receiving feedback from our neighbours about how we can improve our business practices, communication and our outreach.

To help us keep our records up to date and ensure you continue to receive this newsletter, please contact Capital Power Genessee Community Consultation if you are moving, your contact information changes, or if you prefer we do not store or use your personal information.

Capital Power respects your right to privacy. Any personal information Capital Power collects about you, including your name, address, phone number and email address, will only be used to contact you for the purposes of the consultation process. For further information, please see Capital Power's Privacy Policy at **www.capitalpower.com**.