

Woodfibre LNG: The Project



John French
Community Relations Manager

Being a Good Neighbour

Welcome to the November 2015 edition of the Woodfibre LNG: The Project newsletter. In this issue, we focus on how Woodfibre LNG Limited is doing its part to contribute to the community.

In September, we launched the first annual Woodfibre LNG Great Canadian Shoreline Cleanup at Darrell Bay. The event was a great success, and as you can read on page 3, we couldn't have done it without our wonderful team of community volunteers.

September also marked the conclusion of three studies by Quest University students through a funding agreement between Woodfibre LNG Limited and Quest. This is the second year in a row that Woodfibre LNG has supported research projects at the university, and you can read about the students' projects on page 2 of our newsletter.

October marked a major milestone for Woodfibre LNG Limited. Squamish Nation Council voted to give conditional environmental approval to the Woodfibre LNG Project. You can read more about the agreement below.

You can also learn more about our Community Office project representatives Mike Lyons and Pam Tattersfield on page 4 of our newsletter. The two are long-time residents of Howe Sound, and have a tonne of local knowledge, which is helping to make our project better.

We hope you enjoy our newsletter, and please don't hesitate to drop by our Community Office on 38134 Cleveland Avenue. It's open Wednesday through Friday from 10 a.m. until 4 p.m. and on Saturdays from 10 a.m. until 3 p.m. The coffee is always hot and good conversation is always welcome.

SQUAMISH NATION & WOODFIBRE LNG

Working to build a better project.



On October 14, 2015, Squamish Nation Council voted to approve an Environmental Assessment Agreement and issued an Environmental Certificate for the Woodfibre LNG project.

The agreement comes from Squamish Nation's independent environmental assessment of the project, which began more than two years ago, and includes legally binding conditions that Woodfibre LNG Limited is required to meet for the project to move forward.

AMONG THESE CONDITIONS:

- Squamish Nation has a direct say on our cooling technology
- No LNG carrier traveling to the Woodfibre site will bunker in Howe Sound
- No expansion of Woodfibre LNG operations without Squamish Nation consent
- We will co-manage environmental management plans

The Squamish Nation environmental assessment process is likely the first of its kind in Canada, and we're proud to have participated in this groundbreaking new process.

The Squamish Nation Environmental Assessment Agreement means we can build a better project; one that protects traditional land, water and heritage resources, and brings responsible economic opportunity to the region.

To learn more about the Squamish Nation Environmental Assessment Agreement for the Woodfibre LNG project, please visit the Squamish Nation web site: www.squamish.net.

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Katie searches for life under the rocks at Porteau Cove.
Photo: Kyla Hemmelgarn, Porteau Cove Provincial Park



Quest Students Study Howe Sound

As Katie Gerstle flips over rocks at Porteau Cove, the sun heats the beach on one of the warmer days of the summer. The conditions are perfect for her research project: a comparison of the living foreshore at Porteau Cove and the foreshore of the Woodfibre LNG site, about seven kilometres from downtown Squamish.

Katie is one of three Quest University students benefiting from a \$30,000 funding agreement arranged with Woodfibre LNG Limited.

Quest University students Camilo Romero and Cassandra Mason round out the group.

Camilo is interested in how construction sounds travel through Howe Sound to Nexen Beach. He is researching how marine noise impacts sea life.

Cassandra's interests kept her in the lab while her fellow students were working outside. She's interested in using sunlight as an energy source for bacteria that create hydrogen, which can then be used as a feedstock for the production of natural gas.

Over the course of the summer months, the three students conducted their research under the guidance of three host faculty members.

For Katie, the project really started six months earlier when she did a school field trip to Porteau Cove. She wondered about the creatures living on the beach and decided she wanted to learn more about them and then share what she learned with the public.

It fits in with the big question driving her education at Quest: How can we improve conservation education?

She recorded her observations about the two beaches and then communicated her findings at a series of public events held at Porteau Cove in the summer.

"Over the next couple of months I'll be taking what I've done so far for this fellowship and adding on to it," said the fourth year student.

In the early days of Katie's project, her sponsor tutor was away and, according to Katie, most of her early work was done independently.

"I did both of the surveys when my mentor wasn't (able) to help out," she said. "I learned that I can actually get things done on my own time and I can self manage."

Like Katie, Camilo also found he works well on his own. He got off the beach and out into the water. His experiment required him to put hydrophones into Howe Sound.

"Having this experience was pretty valuable," said Camilo.

The three students presented details of their work to other Quest students and staff at the end of September. In her presentation, Cassandra said she envisions a day when fossil fuels are no longer pulled out of the ground to create energy.

She compared the goal of her work to a trip Squamish residents make regularly: "It is like driving to Seattle to fly to Vancouver, when you could just drive to Vancouver."

Cassandra spent many hours in a laboratory working with proteins, bacteria and light in her effort to find a way to produce natural gas without drilling into the ground for it.

All three Quest students are back at the university this fall to continue their studies. Their final reports can be viewed at the Squamish Community Office at 38134 Cleveland Avenue in Squamish after December 5th.

Professional researchers also collected data related to the Woodfibre LNG Ltd. proposal through the spring and summer. Marbled Murrelet were surveyed along with owls and goshawks. A rare plant study was conducted and divers found herring roe along the foreshore.



Quest Students Research

For the past two years, Woodfibre LNG Limited has awarded grants to fund research projects for Quest University students. This year's topics were: beach biodiversity, marine noise, and renewable energy. The students presented their findings on September 19, 2015 at Quest University.

BEACH BIODIVERSITY

Katie Gerstle compared the biodiversity of the foreshore of the Woodfibre LNG site with the beach at Porteau Cove Provincial Marine Park. Katie then put together a series of public information sessions about her findings at Porteau Cove, in partnership with BC Parks.

LET THE LIGHT IN

Cassandra Mason conducted a series of experiments to test a theory: can we engineer bacteria to make natural gas? Cassandra theorized that if microbes exposed to sunlight could make natural gas, they could also lower greenhouse gas emissions at the same time.

SOUNDS GOOD

Camilo Romero measured construction and operation noise transmission at the Woodfibre LNG site and Nexen Beach. He then conducted a series of experiments to determine the acoustic properties of the rocks at the site. He used that information to make an acoustic map, which shows how well sound can travel through the rock and into the water. This type of experiment will help determine potential impacts of marine noise on marine life in Howe Sound.



Community Groups Benefit from Sponsorship Program

Woodfibre LNG is supporting local charities and community groups through a Community Sponsorship Program announced in May.

Fall grants will be announced soon after 13 applications were received from groups seeking funding of up to \$5,000 for education initiatives, youth sports and environmental projects.

“Woodfibre LNG plans to be a member of this community for more than 25 years,” said Byng Giraud, Vice President of Corporate Affairs for Woodfibre LNG. “We are proud to be part of Squamish and excited to be supporting the many community groups that help us make this such a great place to live and work.”

In May of 2015, grants of \$5,000 were given to the Axemen Rugby Club, Squamish Slo-Pitch Association, Howe Sound Minor Ball, Squamish Minor Hockey Association, and Squamish Youth Soccer Association.

Details of the Community Sponsorship Program can be found at WoodfibreLNG.ca.



Woodfibre LNG in the Community

CHAMBER OF COMMERCE GOLF EVENT

Team Woodfibre LNG kicked off a busy summer in the community by sponsoring Hole 16 at the annual Squamish Chamber of Commerce golf tournament on June 30th. Woodfibre LNG’s Peter Jarvis tried to keep it in the short grass while the rest of the Woodfibre LNG team kept golfers well hydrated at Hole 16. Congratulations to the Squamish Chamber of Commerce for another successful golf tournament!

CANADA DAY CELEBRATIONS

Woodfibre LNG was also a proud sponsor of the Energy Stage at Squamish’s Canada Day celebration in Pavilion Park on July 1st. While musicians kept Canada Day revellers entertained at the Energy Stage, Woodfibre LNG representatives John French, Sabrina Tey and Pam Tattersfield shared project information at a community information booth at the market in the park.

MAYOR ACKERMAN VISIT

The mayor of Fort St. John, BC’s “Energetic City,” visited Squamish for a few days in early July. Members of the Woodfibre LNG team were glad they were able to get some seats to Mayor Lori Ackerman’s sold out Chamber of Commerce breakfast on July 7th. At the breakfast, Mayor Ackerman talked about her experience working with oil and gas companies, and how her community has benefited.

SQUAMISH TRIATHLON

The Woodfibre LNG ‘Dynamic Duo’ participated in the July 12th Squamish Triathlon. Former project representative Ariel Winkelmeyer completed the first two legs of the race; a 1.5 kilometre swim followed by a 40 kilometre bike ride. She then handed the team timing chip to project representative Pam Tattersfield, who completed the event with a 10 kilometre run. Well done to our Woodfibre LNG ‘Dynamic Duo.’

SQUAMISH DAYS

Squamish Days Loggers Sports Festival proved to be a few fun filled days for the Woodfibre LNG team on the August long weekend. On Thursday, July 30, 2015, the Woodfibre Mariners competed in the bed races. ‘Inspector’ Ariel Winkelmeyer coached the Mariners to be “slow and safe”, while tugboat operators Heidi French, Pam Tattersfield, and Alex Taimuri safely navigated the bed along Cleveland Avenue. Race announcer John French explained that the team was adhering to high safety standards as one of the three tugboats was tethered to the “vessel” and all three tugs and “vessel” traveled at a 10-knot speed limit on the course.

On Saturday and Sunday, Squamish residents dropped by our sponsor booth for some good conversation and a Woodfibre LNG water bottle. A few folks got into the spirit of the weekend and dressed up in our bed race tugboat costumes to have their pictures taken. Communications consultant Gord Addison and project representative Mike Lyons competed in the Squamish Days 10K Run on Sunday morning. Gord finished fifth overall and first in his age group!

SHORELINE CLEANUP

A new tradition was started on September 16th with the launch of the first annual Woodfibre LNG Great Canadian Shoreline Cleanup. About 30 community volunteers including folks from Squamish Streamkeepers and FortisBC picked up trash at Darrell Bay. Some of the more unique items removed from the shoreline included: a computer monitor, large Styrofoam blocks and a screen door. Thanks to all our volunteers for making our first Great Canadian Shoreline Cleanup event a success!





Meet the Project Representatives

When you walk through the door of the Woodfibre LNG/FortisBC Community Office, a friendly face will meet you just inside.

Project representatives Pam Tattersfield and Mike Lyons are usually the first people visitors to the office on Cleveland Avenue encounter.

Pam started with Woodfibre LNG in March and Mike was hired in August to help share details of the Woodfibre LNG Project with residents of Squamish. Both of them are long-time Howe Sound residents with a wealth of knowledge about the community.

They also have a wealth of knowledge about the Woodfibre LNG Project. In the unlikely event they can't answer your question; they're committed to finding the answer and getting it to you.

We asked them to answer a few questions that aren't related to the Project.

Mike Lyons

Where were you born?

Ottawa, Ontario

What is your Birth Sign?

Born in June – A true Gemini

What do you like to do in your leisure time?

My wife and I love to be outdoors. We camp (all seasons), ski, visit and swim in our local lakes, hike, bike, run (18 half marathons so far) and travel.

What is your favourite hiking trail in Squamish?

The new trails that access the Sea to Sky Gondola and beyond.

Your travels have taken you to where?

From coast to coast of our beautiful country and throughout other countries such as USA, Australia, Mexico and Belize.

Where do you want to go next?

La Ventana, Baja, Mexico to pursue our newest sport: kiteboarding.

What drew you to WLNG?

We have lived in our beautiful Squamish for almost 35 years. I have been a Paramedic here for more than 27 years and involved with many of the industries that helped grow our town; including the Woodfibre pulp mill. As a result of my involvement in industry and health care I was drawn to the HSE (Health, Safety and Environmental) field and have been actively involved in HSE Management roles for the past nine years. This has meant traveling away from home to remote locations. Having followed the progress of the LNG industry, I am now very excited to have been chosen to be part of one of the cleanest and safest industries right here at home. It is my hope to contribute my knowledge and experience to this project ensuring a positive result for our community.

Pam Tattersfield

Where were you born?

Comox, Vancouver Island

What is your Birth Sign?

Taurus, though I am an astrological skeptic.

What do you like to do in your leisure time?

I live to ski, hike, run and be on the beach. I also like to garden and volunteer.

What is your favourite hiking trail in Squamish?

I am torn between Sky Pilot, Tricouni Meadows and the Chief first peak.

Your travels have taken you where?

Travel to Mexico has taken me to many unique places including a monarch butterfly refuge in Angangueo, business travel to Japan - to Rumoi on Hokkaido, Tokyo on Honshu and various fishing towns between. I have been to Thailand twice, haunted by the bridge on the River Kwai and enchanted by wild monkeys and roadless travels on Koh Chang. I have also been to Malawi in east Africa to see the fantastic fish in Lake Malawi, the incredible birds in the area and to run solo with gangs of kids who could run 10k in bare feet.

Where do you want to go next?

Five more "A" places: Arctic, Australia, Argentina, Antarctica and more of Atlantic Canada

What drew you to WLNG?

Since learning about the project through the EA consultative process, I see the main benefits of this project as enabling the clean-up of a brownfield site, and the provision of jobs, taxes and support for businesses in the region.



CONTACT US

To read earlier issues of our newsletter, or to sign up for our Project Updates email, please check our website. You can also find us on Facebook and YouTube.

We look forward to hearing from you.

woodfibrelng.ca
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