



OH&S Safety Matters

LNG Spells Opportunity

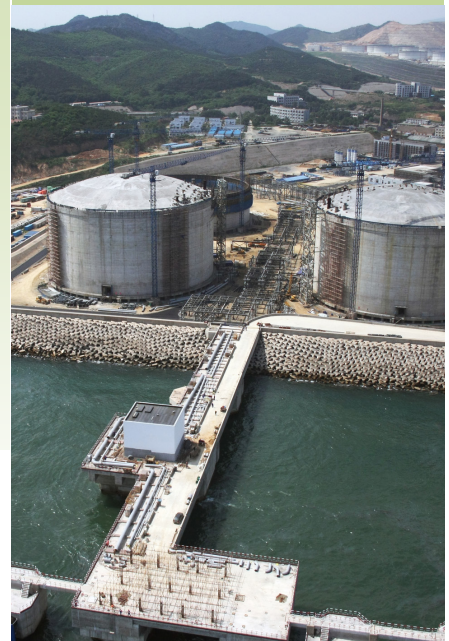
LNG development will bring skilled jobs and career opportunities to youth throughout BC. LNG Canada is a joint venture comprised of Royal Dutch Shell plc, through its affiliate Shell Canada Energy (40%); PETRONAS, through its wholly-owned entity, North Montney LNG Limited Partnership (25%); PetroChina Company Limited, through its subsidiary PetroChina Canada Limited (15%); Mitsubishi Corporation, through its subsidiary Diamond LNG Canada Ltd. (15%); and Korea Gas Corporation, through its wholly-owned subsidiary Kogas Canada LNG Ltd (5%). It is operated through LNG Canada Development Inc. The big news is that LNG Canada's \$40-billion investment in a liquefied natural gas export terminal located in Kitimat, B.C., and a 670-kilometre pipeline from Dawson Creek, is expected to generate roughly 10,000 jobs by 2021. Outside of the direct construction jobs created by the project, B.C. service and supply companies can expect to benefit,

The Rt. Hon. Justin Trudeau, Prime Minister of Canada said, "LNG Canada represents the single largest private sector investment project in Canadian history. It is a vote of confidence in a country that recognizes the need to develop our energy in a way that takes the environment into account, and that works in meaningful partnership with Indigenous communities."

LNG Canada has contributed \$1.4 million to a Trades Training Fund. This funding goes to building awareness of the trades available in any industry, and particularly the emerging LNG industry. LNG Canada is pleased to be working with the BC Construction Association, who is actively building awareness of the fund and administering it on LNG Canada's behalf.

Funding from LNG Canada's \$1.4 million contribution is available to small and medium-size employers to assist them with training programs for apprentices. Current apprentices can speak to their employer to apply for money from the fund, and employers that want to set up training programs can apply to the fund directly. *If you want to participate in LNG Canada's Trades Training Fund, contact the BC Construction Association.*

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Winter Season Training

Snow Pack & Ice

As part of the pre-season planning process, areas where snow removal will be required, snow removal methods and, snow removal crews must be determined. Areas to consider for snow removal include:

- Roadways
- Parking areas
- Pedestrian walkways
- Stairs and ladders
- Access/egress to building's utilities, temporary power, heating and lighting for maintenance and fueling
- Elevated work locations

These areas should be prioritized to ensure critical areas such as emergency response routes and high traffic areas are cleared and maintained first during heavy snow-fall. To minimize the impact of snow accumulation, snow clearing should be completed as the snow falls and prior to work commencing. Night shift snow removal crews may be required to avoid production delays on day shift.

Equipment should be available for snow removal prior to the winter conditions arriving. When selecting equipment for snow removal also determine safe zones for all mobile equipment. This safe zone will indicate the proximity each specific piece of equipment can come to structures, buildings and other equipment.

All workers required to perform snow removal activities, manual or by mechanical means, should be trained and deemed competent prior to performing their tasks. To ensure crews are prepared for the

winter season, training and competency checks should occur. Also, spotter training should be completed at this time for any workers that will be required to assist with spotting snow removal activities.

Snow pack and ice create hazards for snow removal equipment operators. To prevent problems, chain up. Always drive straight and do not use so much down pressure that the front wheels are raised to a point that steering is ineffective.

Be careful of manhole covers, water shut-offs, expansion joints which can catch the blade and suddenly cause abrupt changes of direction. When the cutting edges are not removed and replaced with a strip of hard rubber, raise the blade at least 1/2 to 1 inch when removing snow from uneven road surfaces or pavement.

De-icing is defined as removal of existing snow, ice or frost from a roadway, or other surface. It includes both mechanical means, such as plowing or scraping, and chemical means, such as application of salt or other ice-melting chemicals.

A snow dump site is a location where snow is dumped as a part of the snow removal process. Designated sites are sometimes

required to prevent water and ground pollution because the snow collected on roads typically contain a variety of de-icing chemicals, vehicle fluids, engine emissions, and litter.

The removal of snow from roads, parking lots, and from maintenance or other public services areas require heavy equipment operators to be fully aware of the operating procedures and policies related to the following:

- Common tools and materials used in road snow removal.
- Snow removal techniques, procedures and practices.
- Operation and maintenance requirements.
- Traffic laws, ordinances, and rules involved in front end loader and heavy equipment operations for snow removal.

Operator training includes the inspection, and operation of the machine, recognition and avoidance of hazards in accordance with the manufacturer's operator manual, and government regulations. Training requires theory, hands-on practice, knowledge verification and practical evaluation. All four components of training are required to ensure that operator instruction is understood.



New Innovative Operator Training Program



Articulating Dump Truck Operator Training

Rigid and Articulated are the two main off road hauling truck types. Rigid frame dump trucks are designed to transport large, rocky and abrasive materials across well maintained roads. Articulated dump trucks, in contrast, are designed to handle more adverse conditions, and operate on varying grades in any weather.

Restricted ability to turn, narrow roads and slippery grounds are best suited to an articulated dump trucks ability to manoeuvre itself almost anywhere. The articulating trucks



oscillating and articulating hitch allows them to work in punishing conditions and handle extreme grades with greater stability and traction.

For high impact loads a rigid frame truck is more resilient and will handle loading impact under a large shovel. Rigid trucks may seem like the more profitable choice with its higher payload and faster cycle times, however, this won't always prove true. An articulated truck with its 6-wheel-drive and greater traction capability will see it handle boggy conditions and travel across various inclines that a rigid frame truck wouldn't be able to navigate. Articulated dump trucks work well



in poor conditions because they are designed to keep all six wheels in contact with the ground. The design of the oscillating and articulating hitch allows the truck to work on grades up to 35%.

Articulating dump trucks are being used more often for overburden removal at mines and quarries and they are ideal for road building, site preparation, reclamation projects, subdivision construction, detention ponds, highway projects and hydro-electric dams.

Call OH&S and get the instructor training you need to deliver Articulated Truck Operator programs on your job site.



A Safe Place to Work Matters

Well intended supervisors might say "everyone be safe out there," however we know that saying it is just not going to be enough to keep workers safe. It takes leadership to guide employees towards safer outcomes.

It is simplistic to suggest that the cause of accidents are the workers. We know this because there are a multitude of variables influencing the causes of accidents, including facility and equipment design, the relevancy and effectiveness of training, the competency of leadership, the attitude and values that employees share in relation to workplace safety.

The people that lead successful workplaces understand that a safe workplace is a productive place to work. They also know that they must work together. A safe place to work matters to everyone, you can



make a difference in your workplace, but you can't do it alone.

The good news is that OH&S Safety consulting and training solutions is looking to join your team and share the commitment to help ensure the health and safety of every employee in your workplace through the use of meaningful and effective safety training.

As always, we thank you for your continued dedication to safety training and we look forward to serving you!

OH&S Safety Training Solutions 778.471.6407

Classroom Based - Instructor Led Safety Training



ATV and LTV Operator
Our ATV and LTV Operator course has been developed for those with an occupational requirement to be trained to safely undertake work activities that involve the operation of an All Terrain Vehicle (ATV) and/or a Utility Terrain Vehicle (LTV). The goal of this course is to help you better understand what a ATV and LTV Operator responsibilities are and how to manage those responsibilities to protect your health and safety and the health and safety of your co-workers.



Boom Trucks, Hoists and Riggers
This training program encompasses activities that involve the operation of Light Duty Boom Trucks (with a rated capacity of less than five tons with a boom length of less than 25 feet based on the manufacturer's specifications), hoists and the rigging of loads. Only qualified persons trained in the inspection, application, and operation of a crane or hoist, including the recognition and avoidance of hazards associated with their operation, shall operate the equipment.



Confined Space Entry - General Industry
Confined spaces are potentially one of the most dangerous of all workplaces, however the goal of this course is to prepare you to safely perform work in a confined space. By the end of this course you will be able to describe a confined space, describe various hazards and know how to handle hazards that are identified, you will understand the confined space permit system and should something go terribly wrong, you will know how to effect a non-entry rescue.



Confined Space Entry - Mining Industry
The Mines Act and the accompanying Health, Safety and Reclamation Code for mines in British Columbia (the Code) protect workers' health and safety and enforce legislation related to confined space activities. This legislation obligates the mine manager to ensure that written procedures are developed and each person who is assigned duties or responsibilities related to entry into a confined space is adequately trained. This course will provide you with the information that is used to implement a Confined Space Entry Program.



Confined Space Rescue Basics
The occupational health and safety regulation requires the employer to prepare a written confined space entry program that includes procedures for rescue. This course will provide the information used to establish an industrial confined space rescue response and the training that is needed to prepare individuals to implement rescue operations. It takes a mix of prevention, planning, preparation, training and communications to create and sustain an effective Confined Space Rescue response.

2 OH&S Training Library

2018 e-Catalog is Available

Are you ready to tap into a wider network of training programs. Get access to 100% of the OH&S safety training programs by simply sending me an e-mail and asking for a FREE copy of the training course library!

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Staying in Touch

We want you to be aware that you always have the opportunity to opt-out from receiving OH&S Safety Training Solutions electronic communications. To opt-out, simply call OH&S Safety Training Solutions at 778.471.6407 and ask to be taken off the OH&S registry membership email list.

OH&S will never sell or rent your email address or information, and should you decide to no longer receive electronic communications from OH&S we will accommodate your decision to "unsubscribe".

We trust you will choose to continue to receive the **OH&S Safety Matters** newsletters and other promotional materials so you can stay up to date on new programs, best practice tips, and other OH&S Safety Training Solutions news.

We appreciate your business, and look forward to working with you to achieve your safety training goals. Thank you!



OH&S Safety Consulting and Training Solutions

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