



Lower Mattagami River Project Camp



In 2011, Ontario Power Generation was due to start redevelopment of the Lower Mattagami Hydroelectric Complex. As the Complex is located in a remote area of Northern Ontario, a camp would be required to house the more than 600 workers involved in the project. In addition to the individual rooms for the workers, the camp would also need an office complex, a kitchen/dining room, laundry and recreational facilities, and a health centre.

The camp to house the 600 plus workers on-site would be built mid-winter in a remote region of Northern Ontario. The camp would be used year-round for a number of years, so all the constituent parts needed to be durable and easily maintained.

Since the camp was to be constructed in mid-winter, the pipe providing potable water and hot water to the entire camp could not be buried underground. Isonor Inc. supplied Ecoflex® pre-insulated pipe with a corrugated, water-proof HDPE jacket capable of withstanding the elements allowing the pipe to be installed above-ground. The insulation surrounding the carrying pipe is made of closed-cell PEX insulation foam which retains its insulation capability for the entire service life of the pipe. Ecoflex® pre-insulated pipe is lightweight and flexible and its water-proof outer jacket provides the pipe with long-term efficiency. Ecoflex® Thermal Twin 1" pipe with Heat-Trace was installed directly beneath the trailer units running from one trailer to the next to provide hot and cold water. Ecoflex® Thermal Single 2" HDPE pipe with Heat Trace was used for the camp's sewage system. On-site training for the installation of the 3000 feet of pipe was also provided.

As the pipe did not have to be dug up for removal, when the project was completed and the camp was dismantled, the pipe could be recoiled and installed on a new job site. Isonor Inc.'s mission is to provide sustainable solutions that meet the needs of our customers while positively impacting the environment. The camp for the Lower Mattagami River Project was in use from 2011 to 2014 and the Ecoflex® pipe used to provide hot and cold water for the camp provided a long-lasting, sustainable and environmentally friendly solution to our customer's needs. ■

