

CARBON CAPTURE UTILIZATION PILOT PLANT AT TECK, IN TRAIL, B.C.

There is interesting progress by industry that is advancing the struggle with pollution. Teck Industries in Trail, B.C., the World's largest Lead / Zinc Smelter is making history by researching a method to reduce Carbon emissions in its processes. These press releases provide some insight to what is being proposed.

1) Canadian Press News Announcement (quotation from Google):

"...VANCOUVER — Teck Resources Ltd. has announced a carbon capture utilization and storage pilot project at its operations in Trail, B.C.

The plant will capture three tonnes per day of carbon dioxide from the acid plant flue gas at the Trail operations.

It will also evaluate options for the utilization and or storage of the captured gas.

Teck says if the project is successful, it could be scaled up with the potential to capture over 100,000 tonnes of carbon dioxide per year.

The pilot project is expected to begin operation in the second half of next year.

Teck CEO Don Lindsay says it is an important step as the company works to reduce greenhouse gas emissions across its operations and achieve its net-zero goal.

"The pilot also provides us with a technical platform to assist our steelmaking coal customers in materially reducing the carbon intensity of their steel production," Lindsay says.

This report by The Canadian Press was first published June 28, 2022.

Companies in this story: (TSX:TECK.B)

The Canadian Press..."

2) Article from Trail Times (Quotation from Google)



“.....Once operational, the Trail CCUS pilot is expected to capture carbon dioxide from Trail operations at a rate of one tonne per day. Image: Teck Resources

Teck Trail announced last week that the B.C. government has directed \$10 million into the company’s pilot project involving carbon capture.

Construction of the plant is underway.

The company said in a July 12 news release that \$10 million from the CleanBC Industry Fund “will advance the assessment of viable options for carbon utilization and/or sequestration of the captured carbon dioxide (CO₂) from Trail operations.”

“Teck is continually evaluating opportunities to reduce our carbon footprint while supplying the critical resources required for a low-carbon future,” said Jonathan Price, CEO, Teck. “This funding will help advance our innovative carbon capture pilot at Trail operations, with important support from CleanBC, which is an excellent example of the alignment and collaboration between industry and government in achieving our shared climate goals.”

There have been about 100 workers, contractors, and Teck employees involved in the project since it began, a Teck spokesperson told the Trail Times.

“Construction is on going and the carbon capture pilot plant is expected to begin operation later this year,” the spokesperson confirmed.

First announced in July 2022, the carbon capture utilization and storage (CCUS) pilot project was described by the company as part of “Teck’s Net-Zero Climate Change Strategy including the goal to reduce the carbon intensity of its operations by 33 per cent by 2030 and achieve net-zero emissions by 2050.”

About the Trail CCUS pilot

Once operational, the Trail CCUS pilot is expected to capture carbon dioxide (CO₂) from Trail operations at a rate of one tonne per day. If successful, the project could be scaled up to an industrial CCUS plant with the potential to capture over 100,000 tonnes of CO₂ per year at the Trail smelter, described as “the equivalent emissions of more than 20,000 cars.”

What is CCUS?

Carbon capture, utilization, and storage (CCUS) is a suite of technologies that capture CO₂ from facilities, including industrial or power applications, or directly from the atmosphere. Once the CO₂ is captured, it is then compressed and transported to be permanently stored in geological formations underground, such as saline aquifers and oil reservoirs, or used to create products

including concrete and low-carbon synthetic fuels. CCUS technologies can deliver 'negative emissions' by removing CO2 from the air (direct-air-capture) or from biomass-based energy and storing the CO2.

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About the Author: Sheri Regnie....."

At this date, December 13, 2023, the Pilot Plant has been set up and operating.

It is especially interesting and exciting that my grandson is employed in its operation.

Written by EWV December 13, 2023