

PUBLIC NOTICE

SHELL CANADA LIMITED

ENVIRONMENTAL PROTECTION AND ENHANCEMENT ACT

Shell Canada Limited has published and submitted an Environmental Impact Assessment report (EIA) to Alberta Environment for the storage component of its proposed Quest Carbon Capture and Storage Project. Shell Canada Limited has also submitted a federal environmental assessment under the Canadian Environmental Assessment Act which includes the capture, transportation and storage components of the Quest Carbon Capture and Storage Project. The EIA report will be reviewed as a cooperative assessment under the Canada-Alberta Agreement for Environmental Assessment Cooperation. Alberta will be the lead party for the cooperative assessment.

DESCRIPTION OF THE PROJECT

The carbon dioxide (CO₂) capture infrastructure will capture CO₂ from the existing Shell Scotford Upgrader located in Strathcona County at Legal Subdivision (LSD) 12 of Section 32, Township 55, Range 21 West of the 4th Meridian. The CO₂ capture infrastructure will be constructed on a previously disturbed area, approximately 150 m by 150 m, adjacent to three existing hydrogen manufacturing units at the Scotford Upgrader. The Project will reduce the CO₂ emissions from the Scotford Upgrader by up to 35%, capturing and storing up to 1.2 million tonnes of CO₂ per year. The captured CO₂ will be dehydrated and compressed prior to entering the CO₂ pipeline.

The CO₂ pipeline, which will transport dense-phase higher than 95 vol% pure CO₂, from the Scotford Upgrader to the storage area using a single high-vapour-pressure pipeline, will be approximately 84 km long and with an outside diameter of 323.9 mm. The proposed route extends east-northeast towards Lamont County. The pipeline then traverses north-northwest across the North Saskatchewan River, terminating approximately 8 km north of the Hamlet of Thorhild, within the County of Thorhild at LSD 15-29-60-21W4M.

The CO₂ storage area will include 3 to 10 injection wells connected to the main pipeline by laterals, each assumed to be less than 15 km long. The CO₂ will be injected through these wells into the Basal Cambrian Sands (BCS), a deep saline geological formation, for permanent storage at a depth of about 2 km below ground level.

Construction of the CO₂ capture infrastructure is expected to start in Q3 2012, and pipeline construction in Q4 2013. The injection wells will be drilled between Q3 2013 and Q3 2014. Commission and start-up of the operation is anticipated to begin in Q1 of 2015. The lifespan of the Project is considered to be for the life of the Scotford Upgrader (greater than 25 years).

To obtain additional information or a free copy of the EIA or summary of it, contact:

Shell Canada Limited

Attention: Kathy Penney 400 4 AVE SW BOX 100 STN M CALGARY AB T2P 2H5

Telephone: 403-691-4542 - Fax: 403-269-8031

In addition, copies of the EIA have been provided to and are available for inspection at:

Alberta Government Library

Great West Life Building 6th Floor, 9920 - 108 Street Edmonton, AB T5K 2M4 Tel: 780-427-5870 Toll Free: 780-310-0000

City of Fort Saskatchewan **City Hall**

10005 - 102 Street Fort Saskatchewan, AB T8L 2C5

Strathcona County Heartland Hall

55305 Range Road 214 Fort Saskatchewan, AB T8L 4A4

Lamont County Administration Building

5303 - 50 Avenue Lamont, AB TOB 2RO

Sturgeon County Centre 9613 - 100 Street

Morinville, AB T8R 1L9

Thorhild County Office

Planning Department 801 - 1 Street Thorhild, AB TOA 3JO Tel: 780-398-3741

Strathcona County Library

401 Festival Lane Sherwood Park, AB T8A 5P7