

**Table 2 Shell Quest CCS Project Summary: Pipeline**

<b>Proponent Name:</b>	Shell Canada Limited	<b>Date:</b>	August 6, 2010.
<b>Project Name:</b>	Quest Carbon Capture and Storage Project.	<b>Company Contact Name and Information:</b>	Kathy Penney, Regulatory and Environmental Manager – Quest CCS Project. 400-4th Avenue SW PO Box 100, Station M Calgary, Alberta 403.691.4542
<b>Name of Company that will hold Approval:</b>	Shell Canada Limited.	<b>Company Website:</b>	<a href="http://www.shell.ca">http://www.shell.ca</a>
<b>Type of Project (e.g., in-situ, mine, quarry, upgrader, etc.):</b>	CO <sub>2</sub> pipeline as part of carbon capture and storage project.	<b>New Project, Expansion, Additional Phase or Modification:</b>	New CO <sub>2</sub> pipeline.
<b>Projected Construction Start (Month/Year):</b>	Within Q2 2012 to Q4 2015.	<b>Projected Operation Start (Month/Year):</b>	Q2-Q4 2015.
<b>Life of Project (# years, YYYY - YYYY):</b>	Begin operation in 2015. Expected to operate for the life of the Scotford Upgrader (several decades).	<b>Project Location (Legal Land Description) and Municipality:</b>	Pipeline located within Sturgeon County, Strathcona County and Lamont County. Starts at the Scotford Upgrader, proceeds east from the Upgrader and then north to cross the North Saskatchewan River to the end of the pipeline in Thorhild, Sec 29-60-21 W4M
<b>Total Project Area (ha):</b>	Pipeline will temporarily disturb approximately 220 ha.	<b>Private or Public Land:</b>	Primarily private land.
<b>Nearest Residence (km):</b>	Nearest residence is over 100 meters from the pipeline.	<b>Nearest First Nation Reserve(s) (name and km):</b>	Enoch Cree First Nation (closest distance of 48 km southwest from Scotford Upgrader).
<b>Types of Activity (major project processes):</b>	Transmission of captured CO <sub>2</sub> to injection wells.	<b>Power Source (If on site power generation describe quantity (MW) and facilities):</b>	Approximately 50 kW for entire pipeline. Power source to be determined.
<b>Product to be Transported and Quantity per Year (specify units):</b>	CO <sub>2</sub> to be transported (up to 1.2 million tonnes per year)	<b>Total Amount of Product to be Transported Over the Life of the Project:</b>	Up to 30 million tonnes (i.e., up to 1.2 million tonnes per year for 25 years)

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<b>Method of Product Transport (e.g., pipeline, rail, truck):</b>	Pipeline.	<b>Location of End Market:</b>	Underground disposal in the Basal Cambrian Sands (approximately 2 km below ground surface).
<b>Infrastructure Requirements (roads, pipelines, water intake, storage, tankage):</b>	Pipeline will require temporary workspace and access along right of way.	<b>Project By-Products:</b>	None.
<b>Expected Types of Air Emissions (e.g., SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub>):</b>	Fugitive CO <sub>2</sub> .	<b>Expected Types of Effluent Releases (note the water bodies the effluent will be released to):</b>	None expected.
<b>Types of Wastes Generated:</b>	Hydrostatic water will be generated during commissioning, as well as domestic and industrial solid non-hazardous wastes (pipe coating materials, used lube filters, spent grease cartridges, etc.) and liquid products (lubricants, fuels, coolants, methanol, solvents, etc.)	<b>Waste Management Facilities (i.e., Disposal Well, Salt Caverns, Landfill, or Third-Party):</b>	Wastes associated with pipeline and storage facilities will be managed in accordance with regulatory requirements and best management practices.
<b>Nearest Waterway/Waterbody (name and km):</b>	CO <sub>2</sub> pipeline crosses several watercourses, including the North Saskatchewan River, Beaverhill Creek and Namepi Creek, as well as other unnamed watercourses and wetlands.	<b>Watercourse Crossings (type of crossing, any Class A to C waterbodies):</b>	Preferred method for crossing North Saskatchewan River is by horizontal directional drilling, but is dependent on results of geotechnical investigations. Other watercourse crossings are still being assessed as part of the pipeline route selection analysis.
<b>EPEA Approval Required (Y/N/Unknown):</b>	No.	<b>Regulatory Board(s) (ERCB/NRCB/AUC):</b>	ERCB
<b>Water Act Licence Required (Y/N/Unknown. If yes: purpose, source and estimated volumes):</b>	To be determined.	<b>Water Act Approval Required (Y/N/Unknown. If yes, purpose):</b>	No

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<b>Fisheries Act Authorization Required (Y/N/Unknown):</b>	To be determined, depending on pipeline watercourse crossing methods.	<b>Navigable Waters Protection Act Authorization Required (Y/N/Unknown):</b>	To be determined, depending on pipeline watercourse crossing methods.
<b>Waterbodies Required (Y/N/Unknown/NA. If yes, # and ha):</b>	No.	<b>Nearest Water Well (km) (Domestic and Commercial):</b>	To be determined.
<b>Nearest Provincial Highway (# and distance):</b>	Pipeline crosses Hwy. 28, 45 and 63.	<b>Access Improvements to Provincial Highway:</b>	None required.
<b>Traffic Impact Assessment Required (Yes/No/Unknown):</b>	No.	<b>Total Area to be Disturbed (ha):</b>	Pipeline will temporarily disturb approximately 220 ha.
<b>Existing Land Use(s):</b>	Mix of industrial, agricultural, recreational and fragmented forested areas.	<b>Post-reclamation Land Use(s):</b>	Mixed use – expected to include industrial, agricultural, forested and recreational.
<b>Reclamation Start and End (YYYY - YYYY):</b>	Pipeline reclamation will begin immediately after construction and finish after approximately one calendar year.	<b>Unique Environmental or Social Considerations (Describe or None):</b>	None.
<b>Historic Resources Impact Assessment Required (Y/N/Unknown):</b>	Yes.	<b>Estimated Construction Person-Years of Employment:</b>	200 person-years over the construction period
<b>Estimated Operation Persons-Years of Employment:</b>	1 person-year for each year of operations	<b>Construction or Operation Camp Required (Y/N/Unknown. If yes, on-site or off-site):</b>	No.
<b>Method of Transport of Employees to Site (Construction and Operation):</b>	Available accommodation in region.	<b>Date Stakeholder Engagement Started (Public/Aboriginal):</b>	August 2008.
<b>Aboriginal Groups Involved in Stakeholder Engagement:</b>	Shell engaged with both the Metis Nation of Alberta (MNA) and Metis Regional Council Zone 4 (MRC4), and Beaver Lake Cree Nation (BLCN) with regard to the Quest project. Shell met with the MNA and MRC4 to discuss the project on two separate occasions (June and November 2009). In February 2010 Shell distributed invitations to community Open Houses and in April 2010 project information packages were provided to BLCN, MNA and MRC4. A project update was provided to BLCN in July of this year and Shell plans to meet again with MNA and MRC4 in 2010 to provide a project update. Shell will continue to provide project updates to Aboriginal stakeholders as the project progresses and will engage with Aboriginal groups that identify an interest in the Quest project going forward.		