

Project summary table

Proponent name:	Cenovus FCCL Ltd. (formerly EnCana FCCL Ltd.)
Date:	January 19, 2010
Project name:	Narrows Lake Project
Company contact name and information:	Kathy Steiert Regulatory Coordinator email: kathy.steiert@cenovus.com phone:(403) 766-2968
Name of company that will hold approval:	Cenovus FCCL Ltd.
Company website:	http://www.cenovus.com
Type of project: (in-situ, mine, quarry, upgrader, etc.)	In-situ
New project, expansion or modification:	New project
Projected construction start: (month/year)	January/2013*
Projected operation start: (month/year)	January/2017*
Life of project: (# years, YYYY - YYYY)	40+ years 2013 - 2053+
Project location and municipality: (legal land description)	Townships 76 and 77, Ranges 6 and 7, West of the Fourth Meridian
Total project area: (ha)	10,100 ha*
Private or public land:	Public
Nearest residence: (km)	Conklin, Alberta (10 km)
Nearest First Nation reserves: (name and km)	IR 194B Winefred Lake (22 km) IR 194 Janvier (29 km) IR 194A Cowper Lake (38 km) IR 167 Heart Lake (71 km) IR 176 Gregoire Lake (84 km)

Types of activity: (major project processes)	SAGD well development; steam generation; water treatment; oil treatment.
Power source: (if on-site power generation describe quantity (MW) and facilities)	Third party utility company (Fortis)
Project products:	Bitumen (diluted pipeline grade)
Average production capacity per year: (specify units)	47,450,000 barrels/year
Method of product transport: (pipeline, rail, truck)	Pipeline
Location of end market:	Expected to be U.S. but this may evolve as Alberta develops upgrading capacity.
Infrastructure requirements: (roads, pipelines, water intake, storage, tankage)	A central processing facility, well pads, roads, a pipeline to supply fuel gas, an electrical power line, a diluted bitumen sales pipeline, a diluent supply pipeline, a pipeline for fresh water source, a pipeline for brackish water source, pipelines for water disposal, salt caverns for butane storage, wells for water source and disposal, tanks for diluted bitumen and diluent.
Project by-products:	The main product is diluted bitumen. By-products of blowdown, regen waste water, and produced water are disposed of in wells via pipeline. Other by-products include sulfur and drilling waste and lime sludge.
Expected types of air emissions: (SO ₂ , NO _X , CO ₂)	SO ₂ , NO _X , CO ₂
Expected types of effluent releases: (note the water bodies the effluent will be released to)	None
Types of wastes generated:	Refer to attached preliminary waste management chart.
Waste management facilities: (disposal well, salt caverns, landfill, third-party)	Refer to attached preliminary waste management chart.
Nearest waterway/waterbody: (name and km)	Christina Lake (within project boundary)
Watercourse crossings: (type of crossing, any class A to C waterbodies)	At this point in time we know that water crossings may be contemplated but we have no further detail, including the exact location of any water crossings. Upon final crossing determination, Cenovus will prepare and file for all appropriate approvals and prepare any required assessments.
EPEA approval required: (Y/N/unknown)	Yes

Regulatory boards: (ERCB/NRCB/AUC)	ERCB
Water Act license required: (Y/N/unknown) If yes - purpose, source and estimated volumes:	Yes; fresh water for domestic and utility use from Empress Formation, 400 m3/d*.
Water Act approval required: (Y/N/unknown) If yes - purpose:	Unknown
Fisheries Act authorization required: (Y/N/unknown)	No – operational statement for clear-span bridge projects will be followed for any crossing determined to be required post EPEA approval.
Navigable Waters Protection Act authorization required: (Y/N/unknown)	Unknown – At this point in time we know that water crossings may be contemplated but we have no further detail, including the exact location of any water crossings. Upon final crossing determination, Cenovus will prepare and file for all appropriate approvals and prepare any required assessments.
Waterbodies required: (Y/N/unknown/NA) If yes - # and ha:	No
Nearest water well: (km) (domestic and commercial)	There are many industrial saline and non-saline wells in the region. The nearest water well is located at 7-10-77-6W4.
Nearest provincial highway: (# and distance)	881; 16 km
Access improvements to provincial highway:	None required
Traffic impact assessment required: (Yes/No/unknown)	Yes
Total area to be disturbed: (ha)	1,300 ha* (does not include strat and seismic programs and third party infrastructure).
Existing land uses:	Trapping, fishing, recreation
Post-reclamation land uses:	Trapping, fishing, recreation
Reclamation start and end: (YYYY - YYYY)	Reclamation is far off and thus difficult to estimate; approx 2025.
Any unique environmental or social considerations: (Y/N/unknown) if yes – describe:	Christina Lake Protective Notation, caribou zone, trappers, First Nations Traditional Land Use.
Historic resources impact assessment required: (Y/N/unknown)	Yes

Estimated construction person-years of employment:	5,000 person-years* for initial construction.
Estimated operation persons-years of employment:	16,000 person-years* for sustaining construction and project operation.
Construction or operation camp required: (Y/N/unknown) If yes - on-site or off-site:	Yes; both construction and operation camps onsite.
Method of transport of employees to site: (construction and operation)	<p>It is expected that workers will commute to/from local municipalities such as Lac La Biche and Fort McMurray at the beginning and end of the rotation. At the end of each rotation we expect that the workforce will commute to their home destinations via their own personal vehicles twice per rotation, once in and once out.</p> <p>It is expected that operations workers will stay in camp between shifts, with the option to commute to neighboring communities. Over the longer term some staff may choose to commute from neighboring communities within a reasonable commute (Conklin, Lac La Biche, Janvier, etc).</p>
Date stakeholder engagement started: (public/aboriginal)	December 1, 2009
Aboriginal groups involved in stakeholder engagement:	Fort McMurray First Nation, Chipewyan Prairie First Nation, Heart Lake First Nation, Beaver Lake Cree First Nation, Métis Nation of Alberta Region 1, Conklin Resource Development Advisory Group – Conklin Métis Local #193, Chard Métis Local #214, Willow Lake Métis Local #780 and Fort McMurray Métis #1935.

* All figures denoted with an asterisk are preliminary estimates and subject to change upon actual filing.