

Backgrounder

inquiries 1-855-297-8311
 24-hour emergency 1-800-222-6514

AER-Regulated Dams

The following chart lists oil sands dams, dates of inspection, structures inspected, and the findings. Dams are rated based on the *Dam Safety Guidelines*, published in 2007 by the Canadian Dam Association. The scale is based on the consequence of a critical failure of the structure.

Oil Sands Dams (very high to extreme consequence)

Company	Operations	Date of Inspection	Structure	Consequence Classification	Inspection Findings
Syncrude	Mildred Lake	July 21–23, 2015	Mildred Lake Settling Basin	Extreme	No significant deficiencies discovered.
			West In-pit NS End Enclosure	Extreme	No significant deficiencies discovered.
			Southwest I.P. North End Dam	Extreme	No significant deficiencies discovered.
			Southwest Berm (Dyke)	Very High	No significant deficiencies discovered.
			Coke Cell 5	Extreme	No significant deficiencies discovered.
			Southwest Sand Storage Facility	Extreme	No significant deficiencies discovered.
			EIP Highway 63 Berm	Extreme	No significant deficiencies discovered.
			EIP North Closure Dam	Extreme	No significant deficiencies discovered.
			EIP Boundary Dyke Facility	Extreme	No significant deficiencies discovered.
			Mildred Lake Dam	Very High	No significant deficiencies discovered.
Aurora North	July 24, 2015	Beaver Creek Diversion	Very High	No significant deficiencies discovered.	
		Aurora Settling Basin	Extreme	No significant deficiencies discovered.	

Company	Operations	Date of Inspection	Structure	Consequence Classification	Inspection Findings
Suncor	Lease 86/17	August 24–26, 2015	Pond 1	Extreme	No significant deficiencies discovered.
			Pond 1a	Extreme	No significant deficiencies discovered.
			Pond 2/3	Extreme	No significant deficiencies discovered.
			Pond 4, 4G, 4G2	Extreme	No significant deficiencies discovered.
			Pond 5	Extreme	No significant deficiencies discovered.
			Pond 6	Extreme	No significant deficiencies discovered.
	Millenium Mine	August 24–26, 2015	Pond 7	Extreme	No significant deficiencies discovered.
			Pond 8	Extreme	No significant deficiencies discovered.
			Pond 8a	Extreme	No significant deficiencies discovered.
			Pond 8b	Extreme	No significant deficiencies discovered.
Shell	Muskeg River Mine	July 22–23, 2015	External Tailings Facility (ETF)	Extreme	No significant deficiencies discovered.
			South Expansion Area (SEA)	Extreme	No significant deficiencies discovered.
			In-Pit Dykes (1, 2, 2i, 3S, 3N)	Very High	No significant deficiencies discovered.
	Jackpine Mine	July 21, 2015	External Tailings Facility (ETF)	Extreme	No significant deficiencies discovered.
			In-Pit Dykes	Very High	No significant deficiencies discovered.
Suncor	Fort Hills	September 1, 2015	Out-of-pit Tailing Area (OPTA)	Extreme	No significant deficiencies discovered.

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Company	Operations	Date of Inspection	Structure	Consequence Classification	Inspection Findings
CNRL	Horizon	August 27, 2015	Pond 1 (Dyke 10)	Extreme	No significant deficiencies discovered.
			Horizon Dam	Extreme	No significant deficiencies discovered.
Imperial Oil	Kearl Project	September 2–3, 2015	External Tailings Area (ETA)	Extreme	No significant deficiencies discovered.