

Performance Summary 2003

	2003	2002	2001	2000	1999
Environment					
Greenhouse gases ¹					
(tonnes CO ₂ /barrel)	0.097	0.094	0.097	0.107	0.109
Sulphur dioxide					
(tonnes/day)	212	225	237	202	208
(tonnes/thousand barrels)	0.99	0.97	1.05	0.99	0.98
Nitrogen oxide					
tonnes/day	57.11	56.79	55.3	48.3	49.3
tonnes/thousand barrels	0.27	0.24	0.24	0.23	0.22
Land disturbed					
(cumulative hectares – Aurora Mine added as of 2000)	18,335	17,653	16,685	15,576	15,034
Land reclaimed (cumulative hectares) ²	3,402	3,215	3,024	2,931	2,665
Energy intensity (million BTUs/per barrel) ³	1.36	1.32	1.34	1.28	1.23
Water diverted from Athabasca River (million cubic metres)	32.3	40.7	37	40.2	40.3
Health and Safety					
Total recordable injury frequency rate (Synchrude + contractors) ⁴	1.10	0.82	1.28	1.57	1.31
Employee lost-time injury frequency rate ⁴	0.15	0.12	0.21	0.22	0.11
Contractor lost-time injury frequency rate ⁴	0.09	0.08	0.08	0.12	0.31
Economic and Social Contribution					
Royalties and payroll and municipal taxes (\$ millions Cdn) ⁵	223	206	392.3	731.2	191.9
Cumulative royalties and payroll and municipal taxes					
(\$ millions Cdn) ⁵	6,153	5,930	5,724	5,332	4,601
Aboriginal contracts (\$ millions Cdn) ⁶	90	82.0	92.0	72.0	61.0
Cumulative Aboriginal contracts (\$ millions Cdn) ⁶	661	571	489	397	325
Aboriginal workforce (per cent of Synchrude workforce only) ⁷	9.6	9.7	9.9	10.2	10.2

¹ Greenhouse gas emissions – Greenhouse gas emissions include all CO₂ and other greenhouse gases on a CO₂ equivalent basis to produce a barrel of SSB.

² Land disturbed/land reclaimed – Refers to all land surface area disturbed during the process of mining. Reclaimed land refers to disturbed land that has permanently been returned to a stable, biologically self-sustaining state. All reclaimed land will be returned to the Province of Alberta at the end of operations.

³ Energy Intensity – Synchrude's product, SSB, is a 100 per cent upgraded, high quality product with 31° to 33° API, low sulphur (0.1–0.2 per cent), low residuals and excellent low temperature pour qualities. Energy intensity to produce this product includes all energy consumed to produce a barrel of SSB – natural gas, coke, diesel, electrical generation, jet fuel, gasoline, propane and net imported power.

⁴ Total Injury Frequency and Lost-Time Injuries – Total recordable injury frequency includes all injuries requiring medical attention or which resulted in a worker being absent from work. A Lost-Time Injury is an injury that requires medical attention and results in the worker being absent from work. The injury frequency rate is the number of Lost-Time Injuries per 100 person years (200,000 hours) worked.

⁵ Royalties, payroll and municipal taxes – Represent total royalties paid to Government of Alberta, direct payroll taxes and municipal taxes. Royalties vary depending on crude oil prices and level of capital expenditures as defined by the Oil Sands Royalty Regulation 1997.

⁶ Aboriginal contracts – Includes contracts for base plant and Synchrude 21 capital projects. Dollars shown are commitments against purchase orders and payments against contracts.

⁷ Aboriginal workforce – Numbers include only full-time Synchrude employees and do not include casual or contract workers.