

TSM Performance by Company

Suncor Energy



Suncor Energy, Canada's largest integrated energy company, recovers bitumen from oil sands near Fort McMurray, Alberta, and upgrades it to refinery-ready feedstock and diesel fuel. Suncor is focused on being a low-cost, low-carbon producer and demonstrating leadership in environmental performance and social responsibility, while contributing to a strong economy.

SUNCOR'S 2017 TSM RESULTS

Suncor's oil sands base mining operation reported internal self-assessment results against TSM performance indicators for the year-ended December 31, 2017. Results were largely consistent with the externally verified results from 2015.

Tailings Management

Level AAA results for all indicators were achieved for this Protocol. Thanks to breakthroughs that have come from research and development, Suncor continues to make progress in tailings management and has worked hard in this area to ensure compliance with the Protocol. Work progresses to ensure the company can continue to maintain a high level of compliance in the future, as guidelines, regulations and stakeholder expectations are revised to incorporate recommendations from recent industry incidents.

Aboriginal and Community Outreach

Suncor has consistently performed well in this area, and achieved Level AAA for all indicators. External outreach has always been a key part of maintaining Suncor's social license to operate, and they regularly engage with communities of interest (including several Aboriginal communities). Its stakeholder relations framework outlines the company's commitment to collaboration, transparency and respect for all views. This guides development of long-term relationships with those affected by its business, including employees, community members, shareholders, customers, organizations and governments.



Biodiversity and Conservation Management

The facility was able to maintain and achieve Level AAA for all three indicators. To minimize impacts in the boreal region, Suncor leverages scientific research and best management practices while working with neighboring companies to reduce cumulative effects of development. The company also collaborates with industry peers and multi-stakeholder organizations on initiatives to conserve and reclaim habitat for birds, mammals, fish and other species.

Crisis Management and Communications Planning

Suncor completed all requirements for this Protocol and maintained a “yes” score for all indicators.

Safety and Health

The company's safety performance met all requirements for Level AAA rating for indicators 1 through 4. Level B for Indicator 5 of this Protocol reflects the tragic fatality of a contractor in 2017. Safety remains a key aspect of Suncor's operations, and the company is committed to its Journey to Zero program for all employees and contractors to put safety above all else.

Energy Use and GHG Emissions Management

Suncor achieved Level AAA for indicators 1 and 2 related to energy use and GHG emissions management and reporting systems. Indicator 3 remained at a Level B. The company does have an ambitious long-term GHG goal focused on GHG emissions intensity reductions out to 2030 and continues to integrate aspects of this goal into decision-making and technology development.

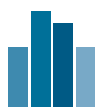
The Fort Hills Mine, owned through the Fort Hills LP and operated by Suncor, will be evaluated for the company's 2019 TSM assessment.

TSM's Protocols reinforce continuous improvement opportunities for Suncor and support the company's emphasis on sustainability throughout the organization.

🔗 For more information, please visit suncor.com or sustainability.suncor.com



On September 23, 2010 Suncor became the first oil sands company to reclaim a tailings pond to a trafficable surface.



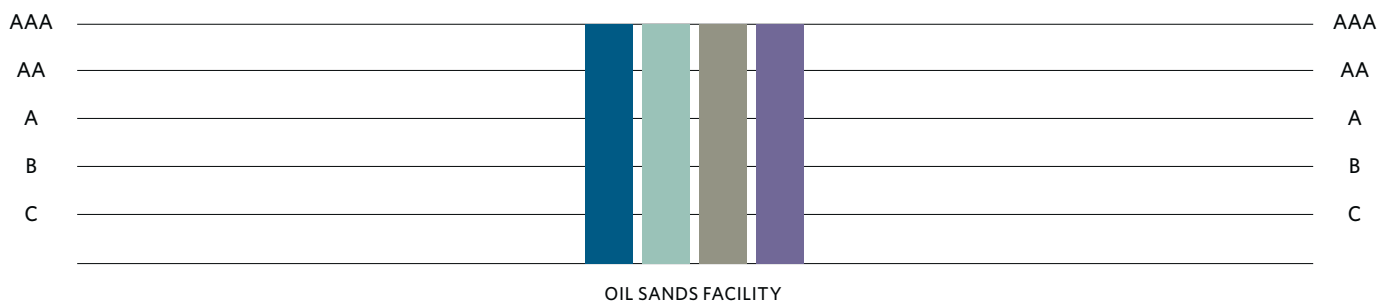
2017 TSM Results Suncor Energy

Crisis Management and Communications Planning Assessment

FACILITY	PREPAREDNESS	REVIEW	TRAINING
OIL SANDS FACILITY	✓	✓	✓

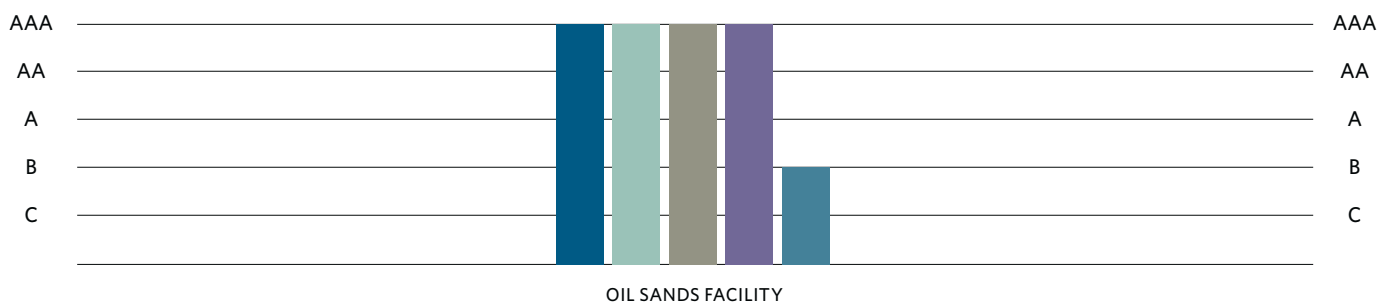
Aboriginal and Community Outreach Assessment

- COMMUNITY OF INTEREST (COI) IDENTIFICATION
- COI RESPONSE MECHANISM
- EFFECTIVE COI ENGAGEMENT AND DIALOGUE
- REPORTING



Safety and Health Assessment

- COMMITMENTS AND ACCOUNTABILITY
- TRAINING, BEHAVIOUR AND CULTURE
- PLANNING AND IMPLEMENTATION
- MONITORING AND REPORTING
- PERFORMANCE

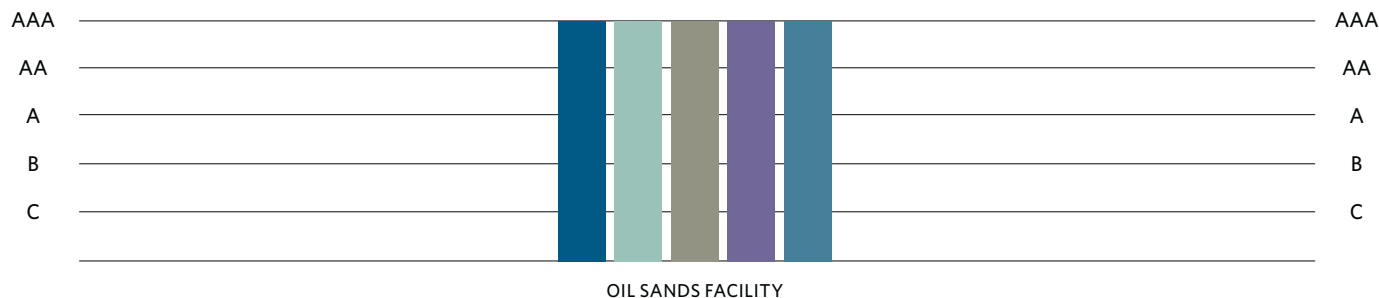


Self-assessed results; last external verification: 2016; next external verification: 2019.



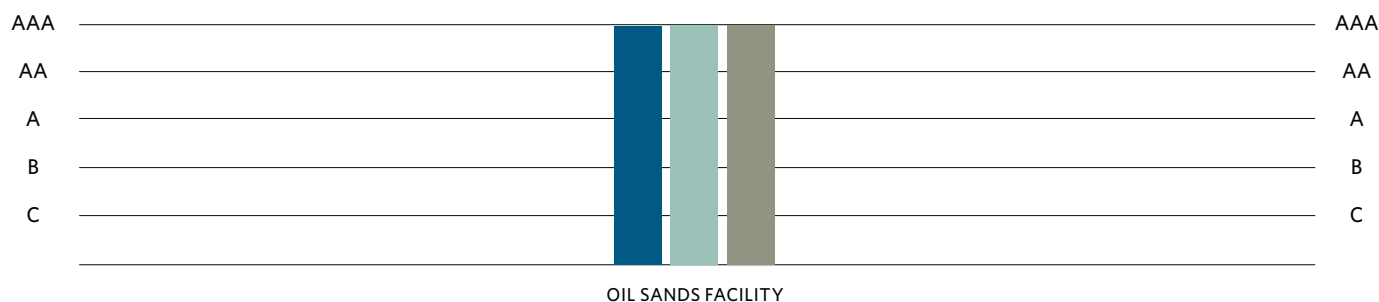
Tailings Management Assessment

- TAILINGS MANAGEMENT POLICY AND COMMITMENT
- TAILINGS MANAGEMENT SYSTEM
- ASSIGNED ACCOUNTABILITY AND RESPONSIBILITY FOR TAILINGS MANAGEMENT
- ANNUAL TAILINGS MANAGEMENT REVIEW
- OPERATION, MAINTENANCE AND SURVEILLANCE (OMS) MANUAL



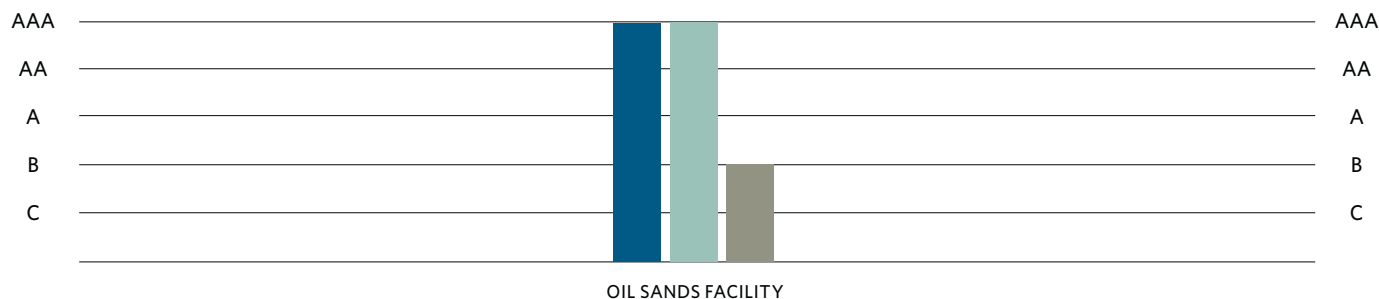
Biodiversity Conservation Management Assessment

- CORPORATE BIODIVERSITY CONSERVATION POLICY, ACCOUNTABILITY AND COMMUNICATIONS
- FACILITY-LEVEL BIODIVERSITY CONSERVATION PLANNING AND IMPLEMENTATION
- BIODIVERSITY CONSERVATION REPORTING



Energy Use and GHG Emissions Management Assessment

- ENERGY USE AND GHG EMISSIONS MANAGEMENT SYSTEMS
- ENERGY USE AND GHG EMISSIONS REPORTING SYSTEMS
- ENERGY AND GHG EMISSIONS PERFORMANCE TARGETS



Self-assessed results; last external verification: 2016; next external verification: 2019.

