

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 holds one of the largest positions in the oil sands and is committed to delivering safe, reliable, low-cost production, while being a leader in growth, technical innovation and environmental sustainability.

Suncor's 2016 TSM results were internally assessed, and were largely consistent with the externally verified results from 2015.

CRISIS MANAGEMENT AND COMMUNICATIONS PLANNING

Suncor completed all requirements for this protocol and maintained a "yes" score for all indicators.

ENERGY USE AND GHG EMISSIONS MANAGEMENT

Suncor's oil sands mining operation maintained a Level AAA for the two indicators related to energy use and GHG emissions management systems and reporting systems. However, the operation's result for the energy and GHG emissions performance targets indicator changed to a Level B (from a Level A in 2015) as the 2016 targets were not met. A contributing factor was the extensive unplanned shutdown of all operations as a result of the Fort McMurray wildfire in 2016.

TAILINGS MANAGEMENT

Oil sands tailings ponds have come under increased public scrutiny in the past few years. Suncor has worked hard in this area to ensure compliance with the *TSM Tailings Management Protocol*, achieving a Level AAA for all indicators. Work continues to ensure that 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 (Level AAA for all indicators) in this area, as external outreach has always been a key part of maintaining its social license to operate. Suncor regularly reviews its communities of interest (including several Aboriginal communities) and its interactions with them. Communities of interest have an important say in how the company conducts its business. Moreover, success depends on earning the trust and consent of residents in the communities where the company operates.

Suncor has a stakeholder relations framework that outlines the company's commitment to collaboration, transparency and respect for all views. The framework guides Suncor as it develops long-term relationships with those affected by its business, including employees, community members, shareholders, customers, organizations and governments.

SAFETY AND HEALTH

Safety is a key aspect of Suncor's operations. The company's safety performance met all the requirements for a Level AAA rating for indicators 1 through 4, and a Level AA for Indicator 5 (performance), which reflects the impact of a fatality in 2014.

BIODIVERSITY CONSERVATION MANAGEMENT

Biodiversity conservation management is a key part of Suncor's closure plans, and has been identified as an issue to be managed in the company's strategic issues management process. Through Suncor's continuous commitment to biodiversity, the facility was able to maintain its score this year and achieve a Level AAA for all three indicators.

🔗 For more information, please visit www.suncor.com



Suncor Energy's Nikanotee Fen near Fort McMurray, Alberta.



2016 TSM Results

Suncor Energy



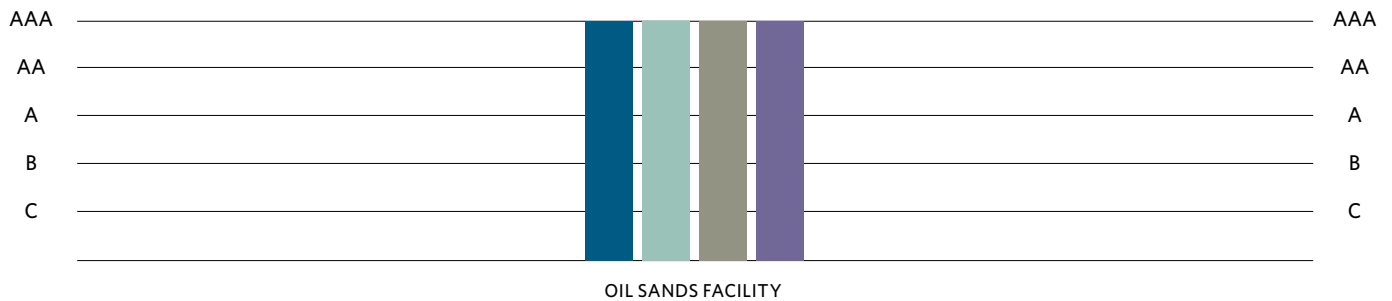
Crisis Management and Communications Planning Assessment

| FACILITY | PREPAREDNESS | REVIEW | TRAINING |
|--------------------|--------------|--------|----------|
| OIL SANDS FACILITY | ✓ | ✓ | ✓ |



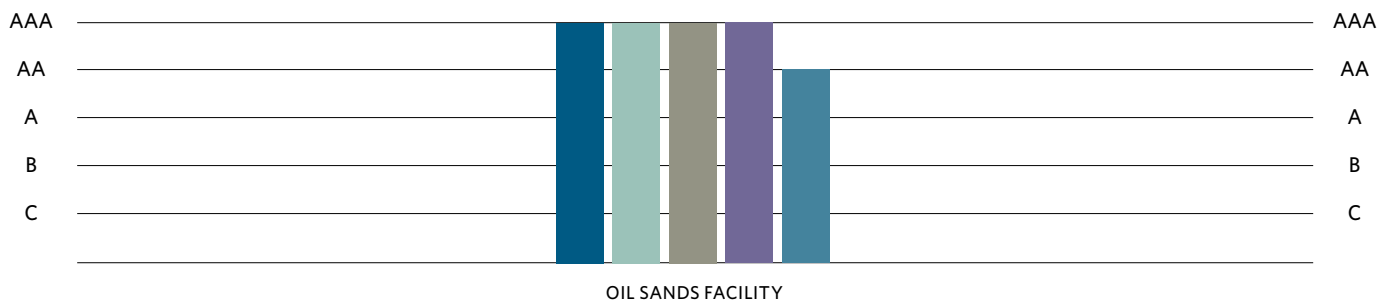
Aboriginal and Community Outreach Assessment

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



Safety and Health Assessment

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

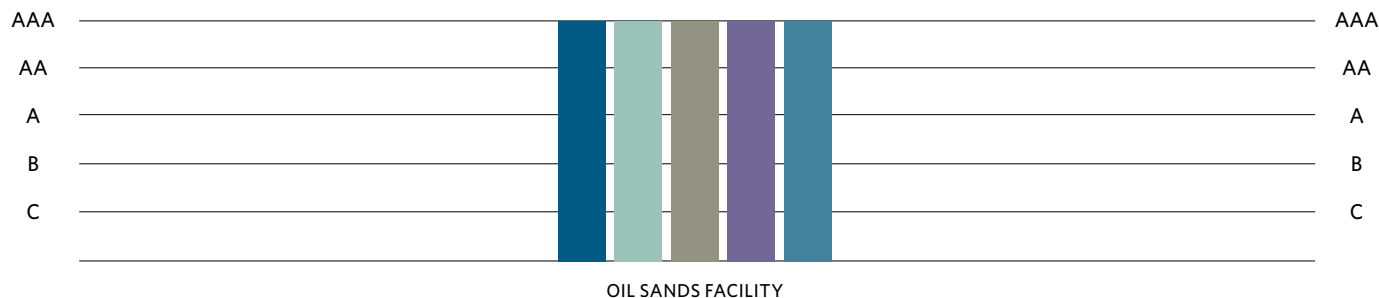


Self-assessed results; last external verification: 2015; next external verification: 2018.



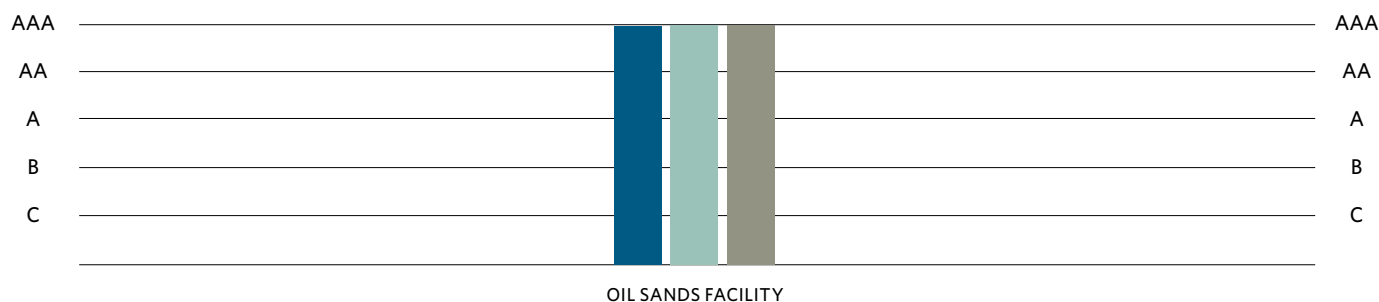
Tailings Management Assessment

- 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



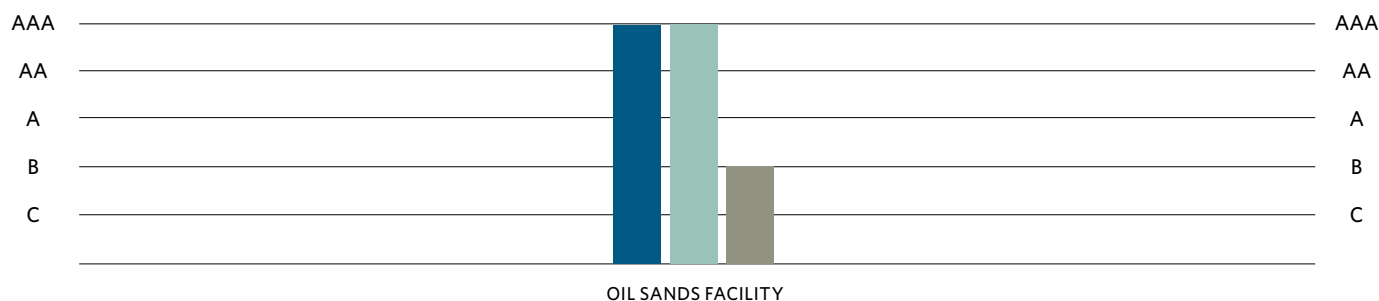
Biodiversity Conservation Management Assessment

- 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: 2015; next external verification: 2018.

