

**MEADOW CREEK EAST
PROJECT**

2020 Annual Project Report



June 23, 2020



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1.0 INTRODUCTION

In accordance with conditions 5.25 through 5.27 and Schedule 2 of the Meadow Creek East project approval (PIA-003A) Suncor Energy Inc. (Suncor) is providing the information below required for the 2020 Annual Project Report.

2.0 PROJECT UPDATE

The Meadow Creek East project was approved by the Alberta Energy Regulator (AER) on March 27, 2017.

2019 Activities

No tree clearing, disturbance or reclamation activities were completed in 2019 under the Meadow Creek East project approval.

In 2019 a number of core holes that were constructed under the oil sands exploration program were converted to a disposition under the Public Lands Act. These dispositions are not regulated by the Meadow Creek East approval but are mentioned in this report for information purposes. Additional information on these dispositions is available in Table 8 of the 2019 Annual Conservation and Reclamation Report submitted to the AER on March 31, 2020 (Suncor 2020).

In 2019 a number of water wells have been installed within or around the Meadow Creek East project boundary that are not regulated by the Meadow Creek East approval but are mentioned in this report for information purposes. Additional information on these dispositions is available in Table 9 of the 2019 Annual Conservation and Reclamation Report submitted to the AER on March 31, 2020.

Proposed 2020 Activities

Suncor has deferred the Meadow Creek East project and no activities regulated by the Meadow Creek East approval are planned for 2020. The operational life of the project remains 25 to over 40 years.

3.0 COMPLIANCE

Since receiving approval on March 27, 2017, Suncor has been working to identify and action regulatory compliance requirements. Suncor will continue this work through 2020. As no activities have been completed since receiving the approval, there are no audits, inspections or compliance actions to report at this time.

4.0 LAND/ENVIRONMENTAL

There has been no update to the information required by the AER for Land/Environmental since project approval was received.

5.0 APPROVAL

On December 6th, 2019 an amendment (Suncor 2019a) of the MCE Project Approval (under EPEA and OSCA) was submitted to increase the inlet volume of the combined replicated Central Processing Facilities (CPF) to 88,000 bpd (13,991 m³/d) (44,000 bpd per CPF), and to add sulphur recovery. The amendment application was approved on March 24, 2020.

Table 1 below presents a summarized update of compliance commitments in the approval. Additional information is available in schedule 9 and schedule 10 of PIA-003A.

Plan/Report Name	Updated Due Date	Status
Soil Monitoring Program Proposal	First soil monitoring event: January 31, 2021 Second soil monitoring event: January 31, 2025	To be submitted
Soil Monitoring Program Report	First report: January 31, 2022 Second report: January 31, 2026	To be submitted
Project-Level Conservation, Reclamation and Closure Plan ^(b)	—	Authorized July 25, 2019
Wildlife Mitigation and Monitoring Program Proposal ^(c)	—	Authorized October 3, 2019
Wetland Reclamation Trial Program Proposal	March 31, 2026	To be submitted
Reclamation Monitoring Program Proposal	June 30, 2022	To be submitted
Wetland and Water Body Monitoring Program proposal	March 31, 2026	To be submitted
Comprehensive Wildlife Report	—	Authorizing the reporting frequency of the Comprehensive Wildlife Report to every 3 years
Water Act Preliminary Certificate	—	Updated expiry date to March 26, 2022

^(a) Suncor 2019b

^(b) Suncor 2019c

The Annual Conservation and Reclamation report was submitted on March 31, 2020 (Suncor 2020) to comply with Schedule 5, Table N of the Approval and it follows the Specified Enactment Direction (SED) 001: Direction for Conservation and Reclamation Submissions (AER, 2016) for the period of January 1 to December 31, 2019.

Suncor has continued to engage with project stakeholders including Fort McMurray No.468 First Nation, Chipewyan Prairie Dene First Nation, Heart Lake First Nation, the Regional Municipality of Wood Buffalo and Fort McMurray Metis Local #1935, Willow Lake Metis Local #780, Conklin Metis Local #193, Fort McKay Metis Nation and the Willow Lake Community Association. No new project concerns have been identified since the approval was received.

6.0 REFERENCES

Suncor Energy Inc. (Suncor) 2020. Meadow Creek East In Situ Project. 2019 Annual Conservation and Reclamation Report. Submitted on March 31, 2020.

Suncor 2019a. Meadow Creek East Project Update and Application. Submitted to the Alberta Energy Regulator on December 5, 2019.

Suncor 2019b. 2019 Project-Level Conservation Reclamation and Closure Plan. Submitted to the Alberta Energy Regulator on June 11, 2019.

Suncor 2019c. Meadow Creek East Wildlife Mitigation and Monitoring Program Proposal. Submitted to the Alberta Energy Regulator on June 13, 2019.