
Made at Bonnyville, in the
Province of Alberta, on

May 9, 2025

ALBERTA ENERGY REGULATOR

Pursuant to section 27 of the *Oil and Gas Conservation Act (OGCA)*, section 23 of the *Pipeline Act*, section 140 and 241 of the *Environmental Protection and Enhancement Act (EPEA)*;

Sunshine Oilsands Ltd.

1210, 635 – 8 Avenue S.W.

Calgary, AB T2P 3M3

(Sunshine, or the Licensee)

WHEREAS Sunshine is the holder of Business Associate (BA) code A2TF, and holds licences and approvals granted by the Alberta Energy Regulator (AER) under the *OGCA*, the *Oil Sands Conservation Act (OSCA)*, the *Pipeline Act*, and the *Environmental Protection and Enhancement Act (EPEA)*;

WHEREAS Sunshine holds Commercial Scheme Approval 11764H (the Scheme Approval) issued pursuant to the *OSCA* to recover bitumen through steam-assisted gravity drainage processes, in the development area outlined in Appendix A of the Scheme Approval (the West Ells Facility);

WHEREAS Sunshine holds *EPEA* Approval 00266890-01-00 (the *EPEA* Approval) issued pursuant to the *EPEA* for the construction, operation and reclamation of the West Ells enhanced recovery in-situ oil sands or heavy oil processing plant;

WHEREAS there is physical infrastructure associated with the West Ells Facility, including wells, well pads, pipelines, facilities and facility sites (the Sites);

WHEREAS Sunshine is the licensee and operator of the wells and facilities licensed under the *OGCA*, and the pipelines licensed under the *Pipeline Act*, as listed in Appendix 1 (collectively, the Licences);

WHEREAS Sunshine was licensed or otherwise authorized by the AER to operate the Licences on the land legally described in Appendix 1 (the Lands);

WHEREAS Sunshine is an “operator” as defined in section 134(b)(i) of the *EPEA*;

WHEREAS the Lands are “specified land” as defined in section 134(f) of the *EPEA* and section 1(t) of the *Conservation and Reclamation Regulation*;

November Order

WHEREAS on November 14, 2024, the AER issued an Order to Sunshine (the November Order), pursuant to sections 22, 26.2 and 27 of the *OGCA*, section 1.100 of the *Oil and Gas Conservation Rules*, and sections 22.1 and 23 of the *Pipeline Act*, due to concerns that Sunshine was not providing reasonable care and measures to prevent impairment or damage in respect of the Sites, and to mitigate the risks of Sunshine's assessed lack of capability to meet its regulatory and liability obligations throughout the energy life cycle;

WHEREAS the November Order required Sunshine to suspend its Sites, to provide reasonable care and measures for its assets, and required security to be paid to offset the costs of fulfilling Sunshine's end-of-life obligations, by deadlines specified in the November Order;

WHEREAS on December 5, 2024, the AER informed Sunshine by email (the December Letter), that it had failed to comply with the November Order requirements for the discontinuation of its pipelines, including isolation and purging, and extended the deadline for Sunshine to comply with that requirement to December 12, 2024;

WHEREAS in the December letter, the AER also informed Sunshine that its Subsurface Action Plan was deficient and provided Sunshine time to December 12, 2024, to correct the deficiencies;

WHEREAS in the December Letter, the AER informed Sunshine that its RCAM Plan was deficient and did not meet the requirements of the November Order, giving Sunshine until January 30, 2025, to submit an improved RCAM Plan and comply with the entirety of the November Order;

WHEREAS on January 9, 2025, the AER informed Sunshine by email that it was not in compliance with those requirements of the November Order that were due by December 12, 2024 and that failure to come into compliance by the extended deadline of January 30, 2025, may result in Sunshine being ordered to abandon the Sites;

WHEREAS on January 30, 2025, the AER received correspondence from Sunshine (the January Letter) stating, in part, that it was aware that it was not in compliance with the November Order requirements;

WHEREAS the January Letter stated that Sunshine continued to experience financial difficulties and that Sunshine was challenged to finance the \$1.3 million it needed since the beginning of December 2024 to provide staffing, fuel, and critical repairs to essential equipment at the West Ells Facility;

WHEREAS the January Letter failed to provide an acceptable plan for how it would come into compliance with the November Order and did not address the remaining requirements of the November Order which were not fulfilled;

WHEREAS in the January Letter Sunshine stated that its plan to secure financing had not yet been successful and that it expected the funds to be available in June or July of 2025;

WHEREAS, as of the date of this order, Sunshine has failed to fully comply with the November Order;

February Order

WHEREAS on February 19, 2025, the AER issued a letter to Sunshine explaining in detail the requirements not met with the November Order, and noting that as a result of the failure to comply with the November Order, the AER was no longer satisfied that Sunshine had the ability to adequately monitor the infrastructure at its sites and respond to acute incidents, thus posing a risk to public safety and the environment;

WHEREAS on February 24, 2025, the AER determined that Sunshine was not providing reasonable care and measures to prevent impairment or damage in respect of the Sites and issued an Order pursuant to sections 26.2(3), 28, and 105 of the *OGCA*, and sections 22.1 (2), and 24 of the *Pipeline Act*, ordering the Alberta Oil and Gas Orphan Abandonment and Reclamation Association (the Orphan Well Association or OWA) to provide reasonable care and measures for the Sites, including emergency response, for eight weeks (the February Order);

WHEREAS the February Order stipulated that, prior to returning care and custody of the Sites to Sunshine, that it must pay costs incurred for actions taken by OWA in fulfilling the requirements of the February Order, submit an acceptable Custody Transition Plan prior to April 21, 2025, and submit a Reasonable Care and Measures Plan per the requirements of the November Order;

WHEREAS, upon taking custody of Sunshine's assets, OWA made the AER aware of multiple concerns regarding the Sites, including, but not limited to, those detailed below;

Demonstrated inability to provide RCAM - Pipelines

WHEREAS on November 26, 2024, Sunshine submitted a Reasonable Care and Measures Plan (RCAM Plan) that was required by the November Order. Within Sunshine's RCAM Plan, Sunshine stated that its produced vapour pipeline, licence number P55132 (P55132) would be filled with natural gas and that the emulsion pipeline, pipeline licence number P55096 (P55096) had been drained and filled with natural gas;

WHEREAS on December 12, 2024, Sunshine had stated in an email that P55132 and P55096 had been purged and charged with natural gas and that pressure would be maintained and monitored by Sunshine;

WHEREAS on March 8, 2025, OWA informed the AER that an OWA consultant discovered multiple failure points along the Sunshine P55132 on that same day, which was confirmed by an AER Inspector on March 10, 2025 (inspection 552929);

WHEREAS on March 10, 2025, OWA informed the AER that it had determined that Sunshine had failed to properly discontinue P55132 which resulted in fluids remaining in the pipeline and the pipe splitting at multiple sections when the fluids subsequently froze and thawed due to seasonal conditions and this was confirmed by the AER during inspection 552929 on March 10, 2025;

WHEREAS on April 10, 2025, OWA informed the AER that an additional failure point was found on P55132 and this was confirmed by the AER during an inspection on April 14, 2025 (inspection 553496);

WHEREAS on April 13, 2025, an OWA consultant reported a pipeline release from P55096 and this was confirmed by the AER during an inspection on April 14, 2025 (inspection 553498);

WHEREAS on April 13, 2025, OWA informed the AER that P55096 failed due to product freezing within the pipeline. During inspection 553498 on April 14, 2025, the AER verified the presence of product in the pipeline, which is evidence that the pipeline was not discontinued by Sunshine per the requirements of the *Pipeline Act* and *Pipeline Rules* and the November Order;

Demonstrated inability to provide RCAM – Containment devices

WHEREAS the November Order required Sunshine to empty all containment devices by November 28, 2024;

WHEREAS on November 26, 2024, Sunshine stated in its RCAM Plan that tanks with damaged secondary containment were drained and locked out and that repairs would be scheduled in December 2024;

WHEREAS on April 14, 2025, OWA informed the AER that a tank was leaking from a valve and that the leaking tank was within an area that was known to be without adequate secondary containment, due to Sunshine failing to conduct repairs that were necessary to the liner and piling boots. The AER verified that the tank was steadily leaking during an inspection on April 14, 2025 (inspection 553499);

Demonstrated inability to provide RCAM – Fire risk mitigation

WHEREAS Sunshine has repeatedly failed to undertake proper vegetation management at the West Ells Facility, which was most recently documented by the AER during inspection 551712 on February 9, 2025, inspection 550987 on January 14, 2025, inspection 550701 on January 7, 2025, and inspection 550086 on December 2, 2024;

WHEREAS proper vegetation management is necessary to mitigate fire risk by reducing the availability of flammable fuels;

WHEREAS on April 14, 2025, during the AER inspection 553499 at the West Ells Facility, an AER Inspector observed burned vegetation in close proximity to the south flare stack;

WHEREAS the AER Inspector's observations of the burned area were consistent with a fire being caused by an ember falling from the flare stack and igniting vegetation, as documented in the record of inspection 553499 and consistent with information provided to the AER Inspector by OWA;

February Order compliance

WHEREAS on April 17, 2025, Sunshine emailed the AER and stated its desire to resume custody and control of its assets (the April 17th Letter);

WHEREAS on April 23, 2025, the AER responded to the April 17th Letter, and provided details regarding Sunshine's failure to comply with the February Order, including failing to submit an acceptable Custody

Transition Plan and failing to submit an RCAM Plan within the eight week period, noting that Sunshine was in breach of the February Order and could not resume custody of the Sites. The AER stated that it may therefore be necessary to take further regulatory action to ensure the safety of the public, the environment, and to prevent impairment or damage to Sunshine's assets. The AER provided a draft version of this Order that was under consideration for Sunshine's review;

WHEREAS on April 30, 2025, Sunshine emailed the AER (the April 30th Letter) and provided information of its plans for obtaining financing, a portion of which was predicted to be available in June 2025, and a statement that it had made payments to fulfil a portion of its existing financial obligations;

WHEREAS the April 30th Letter from Sunshine did not contain a custody transition plan or RCAM Plan as required by the February Order, and did not contain documentation that demonstrated Sunshine would be able to pay monthly expenses;

WHEREAS the AER met with Sunshine on May 1, 2025, (the May Meeting) to review and discuss the draft abandonment order that was being considered and that was provided to Sunshine on April 23, 2025, and to hear any new or additional information from Sunshine for the consideration of the AER in its decision of whether or not to issue the order;

WHEREAS during the May Meeting Sunshine informed the AER that, among other things, funding for its operations was anticipated within the next two months or by the end of July, and that it desired to resume custody of the West Ells Facility;

WHEREAS during the May Meeting, the AER noted that Sunshine had not addressed its noncompliance with the November and February Orders, and had provided limited information about how reasonable care and measures would be provided, including how qualified staff would be paid, how the access road would be maintained, and how urgent repairs would be completed;

WHEREAS, based on the information provided by Sunshine by email and in the May Meeting, Sunshine's ability to provide RCAM, emergency response, and address outstanding noncompliances, is contingent upon the receipt of possible future funding and dependent upon a favourable outcome of external regulatory processes;

WHEREAS the AER notes that throughout the previous year, Sunshine has provided similar assurances to the AER that financing was anticipated to be received, with varying dates provided for when the financing would be available, and that the funding has not materialized;

WHEREAS Sunshine has been unable to provide the AER with substantive evidence that any future funding is assured and will be sufficient to enable Sunshine to come into, and to maintain, compliance;

WHEREAS Sunshine has contravened Acts and Regulations under the jurisdiction of the AER, as detailed above and in the November Order and the February Order;

WHEREAS, based on the above, the Manager is of the opinion that Sunshine is not capable of providing reasonable care and measures to prevent impairment or damage in respect of the Sites;

WHEREAS impairment or damage in respect of the Sites could reasonably be expected to result in harm to the public or the environment;

WHEREAS, based on the above, the Manager is of the opinion that it is necessary to order the abandonment of the Sites to protect the public and the environment;

WHEREAS section 137 of the *EPEA* states that an operator must conserve and reclaim specified land, and, unless exempted by the regulations, obtain a reclamation certificate in respect of the conservation and reclamation;

WHEREAS reclamation certificates have not been issued for the Lands under section 138 of the *EPEA*;

WHEREAS section 140 of the *EPEA* permits the AER to issue an environmental protection order directing the performance of any work if the AER is of the opinion the work is necessary to conserve and reclaim specified land;

WHEREAS the Manager is of the opinion that the performance of the work described in this Order is necessary to conserve and reclaim the Lands;

Therefore, I, Colin Woods, Manager, Field Operations - Provincial, pursuant to section 27 of the *Oil and Gas Conservation Act*, section 23 of the *Pipeline Act*, and sections 140 and 241 of the *Environmental Protection and Enhancement Act*, do hereby order the following:

Abandonment

1. The wells and facilities listed in Appendix 1 remain suspended.
2. Within **fourteen (14) calendar days** from the date of this Order, Sunshine shall submit to the Manager a plan for AER approval for the Abandonment of its wells, facilities and pipelines (the Abandonment Plan). The Abandonment Plan must include, at a minimum:
 - a. Timelines for implementation and expected completion of abandonment of its wells and facilities,
 - b. Timelines for implementation and expected completion of abandonment of its pipelines,
 - c. Measurable outcomes leading towards the completion of abandonment,
 - d. Timelines for completion of those conditions of the *EPEA Approval* and the *Scheme Approval* that are relevant to the decommissioning of the Sites.
3. Sunshine must implement the Abandonment Plan as approved by the AER. The AER will advise Sunshine if the Abandonment Plan is complete or requires changes. Sunshine will be required to

submit any outstanding elements to the AER, provide additional information to the AER, or address other deficiencies, until the AER advises that the Abandonment Plan is approved.

4. Abandonment work, including surface abandonment and removal of cement pads, debris and produced liquids associated with the wells, must be completed in accordance with AER requirements **no later than 24 months** from the date of this Order.

Reclamation

5. Within **thirty (30) calendar days** from the date of this Order, Sunshine must submit a Reclamation Plan for AER approval for the conservation and reclamation of the Lands, including the activities required in Schedule IX of the *EPEA* Approval (the Reclamation Plan).
6. The Reclamation Plan shall include the actions Sunshine will take to reclaim the Lands and obtain reclamation certificates as required under section 137 of the *EPEA*. The Reclamation Plan shall include:
 - a. A list of all actions to be taken in obtaining a reclamation certificate (such as Environmental Site Assessments, Detailed Site Assessments, reclamation certificate applications), and
 - b. A schedule of implementation for each step in the Reclamation Plan.
7. If any changes occur to the Reclamation Plan, Sunshine must immediately inform the AER in writing.
8. Sunshine must implement the Reclamation Plan, as approved by the AER.
9. Sunshine will implement any reasonable changes required by the AER to the approved Reclamation Plan which are prior to Sunshine obtaining a reclamation certificate for the Sites. The AER will advise Sunshine in writing of any changes to the approved Reclamation Plan that are required;
10. Sunshine shall apply for a reclamation certificate for each Site once that site is fully reclaimed in accordance with section 137(2) of the *EPEA* and amendments thereto.

Reporting

11. Beginning **fourteen (14) calendar days** from the date of this Order, Sunshine must provide written updates every 2 weeks to the Manager, with details on the progress of the work required under this Order.
12. All plans and information required in this Order shall be submitted to FieldOpsNortheast@aer.ca.
13. If requested by the Manager, Sunshine shall submit, within **two (2) business days**, any records pertaining to this Order.

General

14. All submissions of records related to work required in this Order shall be submitted in the format, and to the appropriate AER System, as required by AER regulations and the Manager, and as required by any approval issued by the AER, where specified.
15. Where a deadline or reporting frequency has been specified in this Order, the Manager may authorize in writing a different deadline or reporting frequency as applicable.
16. In carrying out the requirements of this Order, Sunshine shall obtain and comply with all required federal, provincial, or municipal permits and governing legislation and provide to the AER all authorizations obtained upon request by the AER.
17. All applicable regulatory requirements are to be followed and complied with in the undertaking of any actions or directions prescribed under this Order

Dated at the town of Bonnyville in the Province of Alberta, the 9th day of May, 2025.

<Original signed by>

Colin Woods
Manager, Field Operations - Provincial
Alberta Energy Regulator

In complying with this order, the party or parties Sunshine must obtain all approvals necessary, notwithstanding the above requirements.

This order in no way precludes any enforcement actions being taken regarding this matter under the *OGCA*, the *Pipeline Act*, or the *EPEA* or any other provincial or federal legislation, or by any other regulator with jurisdiction.

Under the *Responsible Energy Development Act*, an eligible person may appeal decisions that meet certain criteria. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request according to the AER's requirements. You can find filing requirements and forms on the AER website, www.aer.ca, under Regulating Development: Project Application: Regulatory Appeal Process.

Appendix 1

Licences held by the Licensee

Table 1 Wells

Licence	Unique Well Identifier	Status	Surface Location	WIP Current Name	WIP Interest
W0455426	F1/06-08-090-20W4/0	Suspension	06-08-090-20W4	Sunshine Oilsands Ltd.	100%
W0455142	00/06-14-096-18W4/0	Amended	06-14-096-18W4	Sunshine Oilsands Ltd.	100%
W0455131	06/09-31-094-17W4/0	Suspension	16-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455130	13/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455129	12/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455128	11/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455127	10/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455126	09/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455125	08/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0455124	13/11-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454990	00/09-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454989	07/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454988	06/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454987	05/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454986	04/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454985	03/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454984	02/10-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0454983	12/11-31-094-17W4/0	Suspension	15-30-094-17W4	Sunshine Oilsands Ltd.	100%

W0453700	11/11-31-094-17W4/0	Issued	11-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0453655	00/02-31-094-17W4/0	Issued	02-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0452861	04/03-31-094-17W4/0	Issued	03-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0452860	02/06-31-094-17W4/0	Issued	06-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0450611	02/07-31-094-17W4/0	Issued	07-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0450610	00/07-31-094-17W4/0	Issued	07-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0450237	00/10-31-094-17W4/0	Issued	10-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0448921	10/11-31-094-17W4/0	Issued	14-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448920	09/11-31-094-17W4/0	Issued	14-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448919	08/11-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448918	07/11-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448917	13/12-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448916	12/12-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448915	11/12-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448904	06/11-31-094-17W4/0	Issued	14-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448903	05/11-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448902	04/11-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448901	03/11-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448900	07/12-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448899	06/12-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448898	05/12-31-094-17W4/0	Issued	13-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0448794	00/04-31-094-17W4/0	Issued	04-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0447542	00/05-31-094-17W4/0	Issued	05-31-094-17W4	Sunshine Oilsands Ltd.	100%

W0447530	03/03-31-094-17W4/0	Amended	03-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0447520	00/12-31-094-17W4/0	Issued	12-31-094-17W4	Sunshine Oilsands Ltd.	100%
W0446038	00/11-31-094-17W4/0	Amended	14-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0446037	02/11-31-094-17W4/0	Amended	14-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0444605	00/09-04-099-21W4/0	Suspension	09-04-099-21W4	Sunshine Oilsands Ltd.	100%
W0444397	F1/07-21-096-18W4/0	Issued	07-21-096-18W4	Sunshine Oilsands Ltd.	100%
W0444287	F1/01-20-096-18W4/0	Issued	01-20-096-18W4	Sunshine Oilsands Ltd.	100%
W0443997	F1/04-09-090-19W4/0	Suspension	04-09-090-19W4	Sunshine Oilsands Ltd.	100%
W0443105	00/05-30-094-17W4/0	Amended	05-30-094-17W4	Sunshine Oilsands Ltd.	100%
W0441512	00/09-25-094-18W4/0	Amended	09-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441511	00/10-25-094-18W4/0	Amended	10-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441510	00/08-25-094-18W4/0	Amended	08-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441509	03/08-25-094-18W4/0	Amended	08-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441508	02/08-25-094-18W4/0	Amended	08-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441507	00/07-25-094-18W4/0	Amended	07-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441505	10/02-25-094-18W4/0	Amended	02-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441504	14/01-25-094-18W4/0	Amended	01-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0441091	00/11-12-099-21W4/0	Amended	11-12-099-21W4	Sunshine Oilsands Ltd.	100%
W0441090	00/09-22-100-21W4/0	Amended	09-22-100-21W4	Sunshine Oilsands Ltd.	100%
W0441089	00/08-12-100-21W4/0	Amended	08-12-100-21W4	Sunshine Oilsands Ltd.	100%
W0441086	00/07-08-100-20W4/0	Amended	07-08-100-20W4	Sunshine Oilsands Ltd.	100%
W0440987	02/10-09-096-18W4/0	Amended	10-09-096-18W4	Sunshine Oilsands Ltd.	100%
W0440985	00/07-21-096-18W4/0	Amended	07-21-096-18W4	Sunshine Oilsands Ltd.	100%

W0440983	00/04-17-096-18W4/0	Amended	04-17-096-18W4	Sunshine Oilsands Ltd.	100%
W0440982	00/04-08-096-18W4/0	Amended	04-08-096-18W4	Sunshine Oilsands Ltd.	100%
W0440981	00/01-20-096-18W4/0	Amended	01-20-096-18W4	Sunshine Oilsands Ltd.	100%
W0440810	00/08-03-091-18W4/0	Amended	08-03-091-18W4	Sunshine Oilsands Ltd.	100%
W0440809	00/02-03-091-18W4/0	Amended	02-03-091-18W4	Sunshine Oilsands Ltd.	100%
W0440808	00/02-27-090-18W4/0	Amended	02-27-090-18W4	Sunshine Oilsands Ltd.	100%
W0430655	00/01-33-094-17W4/0	Amended	01-33-094-17W4	Sunshine Oilsands Ltd.	100%
W0430654	00/01-32-094-17W4/0	Amended	01-32-094-17W4	Sunshine Oilsands Ltd.	100%
W0430531	00/11-09-091-01W5/0	Issued	11-09-091-01W5	Sunshine Oilsands Ltd.	100%
W0430474	00/09-16-096-18W4/0	Amended	09-16-096-18W4	Sunshine Oilsands Ltd.	100%
W0429961	00/05-16-096-18W4/0	Amended	05-16-096-18W4	Sunshine Oilsands Ltd.	100%
W0429903	00/14-16-096-18W4/0	Amended	14-16-096-18W4	Sunshine Oilsands Ltd.	100%
W0429650	00/14-27-090-18W4/0	Amended	14-27-090-18W4	Sunshine Oilsands Ltd.	100%
W0429368	00/05-09-096-18W4/0	Amended	05-09-096-18W4	Sunshine Oilsands Ltd.	100%
W0429366	00/02-02-096-18W4/0	Amended	02-02-096-18W4	Sunshine Oilsands Ltd.	100%
W0429190	00/15-33-096-18W4/0	Amended	15-33-096-18W4	Sunshine Oilsands Ltd.	100%
W0429183	00/14-25-094-18W4/0	Amended	14-25-094-18W4	Sunshine Oilsands Ltd.	100%
W0428470	00/02-33-090-18W4/0	Amended	02-33-090-18W4	Sunshine Oilsands Ltd.	100%
W0428468	00/09-29-090-18W4/0	Amended	09-29-090-18W4	Sunshine Oilsands Ltd.	100%
W0428464	00/09-28-090-18W4/0	Amended	09-28-090-18W4	Sunshine Oilsands Ltd.	100%
W0427170	02/12-10-079-20W4/0	Amended	12-10-079-20W4	Sunshine Oilsands Ltd.	100%
W0427139	00/11-36-094-18W4/0	Amended	11-36-094-18W4	Sunshine Oilsands Ltd.	100%
W0427138	00/15-36-094-18W4/0	Amended	15-36-094-18W4	Sunshine Oilsands Ltd.	100%

W0427136	00/01-36-094-18W4/0	Amended	01-36-094-18W4	Sunshine Oilsands Ltd.	100%
W0427131	00/05-36-094-18W4/0	Amended	05-36-094-18W4	Sunshine Oilsands Ltd.	100%
W0427048	00/15-26-078-20W4/0	Amended	15-26-078-20W4	Sunshine Oilsands Ltd.	100%
W0425851	00/11-21-095-24W4/0	Suspension	11-21-095-24W4	Sunshine Oilsands Ltd.	100%
W0418748	00/09-08-096-17W4/0	Amended	09-08-096-17W4	Sunshine Oilsands Ltd.	100%
W0417558	00/09-21-096-18W4/0	Amended	09-21-096-18W4	Sunshine Oilsands Ltd.	100%
W0248993	00/02-30-095-17W4/0	Suspension	01-30-095-17W4	A.J. Blashyn & Associates Ltd.	0.74%
	00/02-30-095-17W4/0	Suspension	01-30-095-17W4	Canadian Natural Resources	6.28%
	00/02-30-095-17W4/0	Suspension	01-30-095-17W4	Sunshine Oilsands Ltd.	89.16%
	00/02-30-095-17W4/0	Suspension	01-30-095-17W4	Tourmaline Oil Corp.	3.82%
W0248989	00/04-29-095-17W4/0	Suspension	01-30-095-17W4	A.J. Blashyn & Associates Ltd.	0.74%
	00/04-29-095-17W4/0	Suspension	01-30-095-17W4	Canadian Natural Resources	6.28%
	00/04-29-095-17W4/0	Suspension	01-30-095-17W4	Sunshine Oilsands Ltd.	89.16%
	00/04-29-095-17W4/0	Suspension	01-30-095-17W4	Tourmaline Oil Corp.	3.82%
W0248972	00/01-30-095-17W4/0	Suspension	01-30-095-17W4	Sunshine Oilsands Ltd.	100%
W0220084	00/05-29-094-17W4/0	Suspension	05-29-094-17W4	Sunshine Oilsands Ltd.	100%
	00/05-29-094-17W4/2	Suspension	05-29-094-17W4	Sunshine Oilsands Ltd.	100%
W0213988	00/01-17-095-17W4/0	Suspension	08-17-095-17W4	Canadian Natural Resources	21.88%
	00/01-17-095-17W4/0	Suspension	08-17-095-17W4	Sunshine Oilsands Ltd.	69.67%
	00/01-17-095-17W4/0	Suspension	08-17-095-17W4	Tourmaline Oil Corp.	8.46%
W0212853	00/07-20-095-17W4/0	Suspension	07-20-095-17W4	Canadian Natural Resources Limited	21.87%
	00/07-20-095-17W4/0	Suspension	07-20-095-17W4	Sunshine Oilsands Ltd.	69.67%
	00/07-20-095-17W4/0	Suspension	07-20-095-17W4	Tourmaline Oil Corp.	8.46%

W0121786	00/15-35-093-21W4/0	Suspension	15-35-093-21W4	Sunshine Oilsands Ltd.	100%
W0112885	00/03-31-094-17W4/0	Suspension	03-31-094-17W4	Canadian Natural Resources	21.88%
	00/03-31-094-17W4/0	Suspension	03-31-094-17W4	Sunshine Oilsands Ltd.	69.67%
	00/03-31-094-17W4/0	Suspension	03-31-094-17W4	Tourmaline Oil Corp.	8.46%
W0112674	00/09-35-094-18W4/0	Suspension	09-35-094-18W4	Sunshine Oilsands Ltd.	100%
W0112354	00/05-24-094-18W4/0	Suspension	05-24-094-18W4	Canadian Natural Resources	21.88%
	00/05-24-094-18W4/0	Suspension	05-24-094-18W4	Sunshine Oilsands Ltd.	69.67%
	00/05-24-094-18W4/0	Suspension	05-24-094-18W4	Tourmaline Oil Corp.	8.46%
W0105972	00/04-05-095-17W4/0	Suspension	04-05-095-17W4	Canadian Natural Resources	21.88%
	00/04-05-095-17W4/0	Suspension	04-05-095-17W4	Sunshine Oilsands Ltd.	69.67%
	00/04-05-095-17W4/0	Suspension	04-05-095-17W4	Tourmaline Oil Corp.	8.46%
W0104782	00/11-09-096-17W4/0	Suspension	11-09-096-17W4	Sunshine Oilsands Ltd.	100%
W0100331	00/10-02-096-18W4/0	Suspension	10-02-096-18W4	A.J. Blashyn & Associates Ltd.	0.74%
	00/10-02-096-18W4/0	Suspension	10-02-096-18W4	Canadian Natural Resources	6.28%
	00/10-02-096-18W4/0	Suspension	10-02-096-18W4	Sunshine Oilsands Ltd.	89.16%
	00/10-02-096-18W4/0	Suspension	10-02-096-18W4	Tourmaline Oil Corp.	3.82%
W0081557	00/11-12-096-18W4/0	Suspension	11-12-096-18W4	Sunshine Oilsands Ltd.	100%

Table 2 Pipelines

Licence	Segment	From Surface Location	To Surface Location	Status
P54810	1	01-30-095-17W4	04-13-095-18W4	Discontinued
	2	03-31-094-17W4	03-31-094-17W4	Discontinued
	3	10-02-096-18W4	10-34-095-18W4	Discontinued
P54825	1	10-31-094-17W4	14-30-094-17W4	Operating
	2	14-30-094-17W4	14-30-094-17W4	Operating
P54885	1	10-33-094-17W4	16-32-094-17W4	Operating

	2	16-32-094-17W4	16-32-094-17W4	Operating
	3	14-32-094-17W4	03-04-095-17W4	Operating
	4	16-32-094-17W4	10-31-094-17W4	Operating
P54889	1	11-31-094-17W4	10-31-094-17W4	Operating
P55094	1	14-30-094-17W4	14-30-094-17W4	Operating
P55095	1	10-31-094-17W4	14-30-094-17W4	Operating
	1	10-31-094-17W4	14-30-094-17W4	Operating
P55096	1	14-30-094-17W4	14-30-094-17W4	Operating
	2	14-30-094-17W4	10-31-094-17W4	Operating
P55132	1	14-30-094-17W4	10-31-094-17W4	Operating
P55133	1	14-30-094-17W4	14-30-094-17W4	Operating
P56059	1	04-05-095-17W4	03-31-094-17W4	Discontinued
	2	05-24-094-18W4	07-26-094-18W4	Discontinued
	3	09-35-094-18W4	07-26-094-18W4	Discontinued
	4	07-20-095-17W4	08-17-095-17W4	Discontinued
	5	07-26-094-18W4	03-31-094-17W4	Discontinued
P56060	1	08-17-095-17W4	11-11-095-18W4	Discontinued
P56061	1	15-35-093-21W4	04-01-094-21W4	Discontinued

Table 3 Facilities

Licence	Surface Location	Status
F25331	04-13-095-18W4	Inactive
F42557	11-21-095-24W4	Inactive
F44352	10-31-094-17W4	Active
F46035	14-30-094-17W4	Active