

Alberta Oil Sands Royalty Guidelines

Appendix

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Oil Sands Royalty Guidelines
Due to the size of this document the guidelines are under separate cover.

Appendix A

A. Glossary

Act	In this document, the <i>Mines and Minerals Act</i> .
actual financial transaction	A transaction that has actually been incurred is supported by documentation and has specific, practical application for an oil sands royalty project.
advance ruling	The Department's statement on how it will interpret the applicable laws, policies and guidelines with respect to proposed business arrangements or specific allowed costs that relate to oil sands royalty projects.
allowed cost	Costs described in Schedule 1 and Schedule 2 of the regulation that may be eligible for deduction from project revenues in the calculation of oil sands royalty. Allowed costs are directly attributable to the recovery, processing and transportation of oil sands products to the boundary of an oil sands royalty project.
API gravity	The gravity of crude bitumen as measured by a hydrometer and expressed in degrees on the American Petroleum Institute scale. $API\ gravity = (141.5 / \text{specific gravity}) - 131.5$. The lower the API gravity, the heavier and more viscous the bitumen. Athabasca bitumen has an API gravity number of less than 10°.
barrel	A measure of volume equivalent to 0.159 m ³ . Many of the examples used in these guidelines use 1590 m ³ —the equivalent of 10,000 barrels.
basic service	Any service that uses a non-arm's-length capital that is not part of the project to recover or obtain OSR project-approved oil sands products or to clean crude bitumen from oil sands products produced pursuant to the project or from other sources.
battery	A system of tanks or surface equipment that receives natural gas or crude oil from one or more wells prior to delivery to market or other disposition. A battery may include equipment for separating and measuring oil, gas and water.

bitumen	A sticky, tar-like form of crude oil which is so thick and heavy that it must be heated or diluted before it will flow. At room temperature, bitumen is much like cold molasses. It typically contains more sulphur, metals and heavy hydrocarbons than conventional crude oil. See also: crude bitumen, cleaned crude bitumen, blended bitumen and dirty bitumen .
blended bitumen	Cleaned crude bitumen that has been blended with diluent so that it can be transported by pipeline.
Board	In this document, the Alberta Energy and Utilities Board (EUB).
cleaned crude bitumen	Crude bitumen that has been removed to an extent which makes it possible to blend it with diluent and transport it by pipeline.
cogeneration	Co-generation means concurrent production of usable forms of energy from a single fuel source using electricity and thermal and/or mechanical energy.
concept audit	An advance review conducted by the Department to verify that a proposed or current research project or activity is directly attributable to an oil sands royalty project.
Crown	In this document, the Government of Alberta (that is, the Crown in right of Alberta).
Crown rights	Surface rights or mineral rights which are owned by the Crown.
Crown's share	With regard to an oil sands royalty project in which the oil sands rights are owned by in the Crown, 100% of the oil sands and oil sands products recovered by the project. When an oil sands project includes freehold rights, the Crown's share is the proportion of the oil sands and oil sands products that is allocated under a unit agreement .
crude bitumen	In the <i>Mines and Minerals Act</i> , "a naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well."
cumulative cost	With regard to an oil sands royalty project, the sum of (1) the project's prior net cumulative balance, (2) the project's allowed costs and (3) royalty paid to the Crown during the project's pre-payout period.
cumulative cost balance	See net cumulative balance .
cumulative revenue	With regard to an oil sands royalty project, the sum of project revenue and other net proceeds received or receivable from the project's effective date onwards.

Department	In this document, the Alberta Department of Energy.
development area	The lands and subsurface strata included as part of an oil sands royalty project.
diluent	A hydrocarbon substance used to dilute crude bitumen so that it can be transported by pipeline.
disposition	Where any reference is made in the OSRR, 1997 to the disposing or disposition of any thing, the reference shall be construed as referring to a sale or any other disposition of the thing to a person who by reason of the sale or disposition becomes its owner.
effective date	With regard to an oil sands royalty project, the date from which royalty begins to be calculated under the terms of the <i>Oil Sands Royalty Regulation</i> , 1997 AR (185/97).
end of period statement	A type of royalty report required by the Department. An annual end of period statement signed by an authorized financial officer is required for both pre-payout and post-payout oil sands royalty projects. The statement provides a detailed summary of the financial- and production-related operations of the project.
facility	In the petroleum industry, an oil and gas battery, battery compressor station, gathering system, gas processing plant, reprocessing plant, gas injection facility, commercial storage facility, field dehydrator or separator, water disposal or injection plant, oil cleaning plant, waste processing and disposal facility, loading facility, truck or pipeline terminal.
fair market value	The Department's determination of the value of a good or service based on the value of comparable goods or services available on the open market.
freehold rights	Mineral rights that are not owned by the federal or provincial governments.
good faith estimate (GFE)	A type of royalty report required by the Department. A monthly good faith estimate is required for post-payout oil sands royalty projects. The estimate provides a detailed summary of the financial- and production-related operations of the project. It includes actual figures for previous months and estimated figures for future months.
gross revenue	For an oil sands royalty project, the project revenue minus the cost of diluent contained in any blended bitumen included in the calculation of the project's revenue.

handling charges	For an oil sands royalty project, all charges incurred in moving an oil sands product from the royalty calculation point to the disposition point. The disposition point is the point of sale or the Alberta export terminal (Edmonton, Hardisty or Lloydminster) that is closest to the project.
hedges	Transactions that use actual commodities, futures, contracts, swap arrangements and other financial instruments to counterbalance price fluctuations and reduce the risk of an investment.
in-fill drilling	Drilling of crude bitumen wells on undrilled drilling spacing unit (DSU), as defined by the EUB.
“inside” a project	Lands, leases, operations, facilities and infrastructure specified in an approved project description are said to be “part of the project” or “inside the project.” See “outside” a project .
lease	An oil sands agreement which grants rights to develop and use oil sands resources.
long-term bond rate (LTBR)	The return allowance rate, published weekly by the Bank of Canada that is applied to the net cumulative balance or net loss of an oil sands royalty project.
mineral rights	The right to explore for, produce and sell the minerals contained in a parcel of land. This entitlement may accrue through freehold ownership or through a Crown leasing arrangement.
Minister	In this document, the Alberta Minister of Energy.
month	As defined in the <i>Oil Sands Royalty Regulation</i> , AR (185/97), the period commencing at 8:00 AM on the first day of a month and ending before 8:00 AM on the first day of the next month
monthly royalty calculation (MRC)	A type of royalty report required by the Department. A monthly royalty calculation is required for pre-payout oil sands royalty projects. It reports production, sales and royalty information for each oil sands product for the month.
net book value	For a capital asset, the original cost less accumulated depreciation.
net cumulative balance	The amount by which the cumulative costs exceed cumulative revenue. The net cumulative balance is sometimes referred to as the cumulative cost balance or the unrecovered balance.
net loss	For an oil sands royalty project, the amount by which the allowed costs for a period exceed the sum of revenues and other net proceeds for the period.
net revenue	For an oil sands royalty project, the amount by which project revenue exceeds net project costs in a given reporting period. Net project costs are allowed costs less other net proceeds.

non-basic pipeline	Pipelines for transporting bitumen (or blended bitumen) to market (from a royalty calculation point to the point of disposition) are called non-basic pipelines.
oil sands	Defined in the <i>Mines and Minerals Act</i> as <ul style="list-style-type: none">▪ sands and other rock materials containing crude bitumen▪ the crude bitumen contained in those sands and other rock materials▪ any other mineral substance (except natural gas) associated with the above-mentioned crude bitumen, sands or rock materials
oil sands product	Crude bitumen, cleaned crude bitumen, synthetic crude oil or any other product obtained from oil sands by processing, reprocessing or otherwise, but does not include natural gas.
oil sands royalty (OSR) project	An oil sands project for which royalty calculation and reporting is governed by the <i>Oil Sands Royalty Regulation</i> , 1997 (AR 185/97).
opening balance	See prior net cumulative balance .
operator	The person or corporation responsible for the management and operation of an oil sands royalty project. Project operators have the legal authority to represent the project and its owners.
other net proceeds	Revenue (proceeds) earned as a result of selling, leasing or licensing project-related assets, technology or substances <i>other than</i> oil sands products.
“outside” a project	Lands, leases, operations, facilities and infrastructure that are not specified in an approved project description are considered to be “outside the project.” See “inside” a project .
participating interest	The proportion of ownership in the whole of a project that is held by any one project owner.
payout date	For a pre-payout project, the first date at which the cumulative revenue of a project first equals the cumulative cost of the project.
period	Each calendar year that occurs between a project’s effective date and the date when project approval is revoked.
person	As defined in section 1(v) of the <i>Oil Sands Royalty Regulation</i> , 1997 (AR 185/97), the term “person” includes firms, trusts, partnerships, joint ventures, associations, governments or government agencies.
post-payout period	Each period commencing on or after the payout date of an oil sands royalty project.

pre-payout period	Each period commencing before the payout date of an oil sands royalty project.
prior net cumulative balance	For an oil sands royalty project, the opening balance of costs less revenues incurred prior to the project's effective date.
processing plant	A facility for the extraction, cleaning or upgrading of crude bitumen.
production month	The month in which an oil sands product was recovered or obtained.
project	See oil sands royalty project .
project description	The section of an oil sands royalty project approval order that specifies the lands, leases, operations, facilities and infrastructure that are considered to be "part of the project" or "in the project." The approved project description for a new oil sands royalty project is called the initial project description . When a project is amended, the approved description referred to as the amended project description .
project operator	See operator .
project owner	The lessee of oil sands rights and the person who, according to Land Titles Office records, has the right to recover oil sands from the development area of an oil sands royalty project.
project revenue	The sum of the volume of each oil sands product times the unit price .
project substances	Oil sands and oil sands products recovered from the development area of an oil sands royalty project.
qualifying joint venture project	An oil sands royalty project that meets all the ownership and operational requirements specified in section 16(2)(a)(iv) of the <i>Oil Sands Royalty Regulation</i> , 1997 (AR 185/97). The cost rules for qualifying joint ventures are slightly different from those for other OSR projects.
quality differential	The difference—measured in dollars per m ³ —between the price of an oil sands product and the price of an appropriate benchmark crude oil such as Edmonton Light Par or Hardisty Heavy.
realized revenue	The sum revenues from all crude bitumen-based oil sands products less handling charges. The realized revenue plus revenue from other oil sands products determines the project revenue.

return allowance	A return on investment to cover risk. For oil sands royalty projects, the allowance is calculated using Canada's long-term bond rate . For pre-payout projects, a monthly return allowance is provided on the net cumulative balance for the month. For post-payout projects, a period return allowance is provided if the project has a net loss at the end of the period.
royalty	A share of production or equivalent revenue that is paid to the owner of a mineral resource in exchange for the use of that resource. Owners of mineral rights may lease these rights to oil and gas companies in exchange for a royalty.
royalty calculation point	For an oil sands royalty project, the point at which the Crown's royalty share of the project's sales is measured.
sales price	The calculated value of the sales revenue divided by the sales volume.
sales revenue	The total proceeds from the sale of an oil sands product.
sales volume	The actual volume of the oil sands product sold.
synthetic crude oil	A mixture of hydrocarbons derived by upgrading crude bitumen.
Total Acid Number (TAN)	The total acid number (TAN) is the number expressed in milligrams (mg) of potassium hydroxide needed to neutralize the acid in one gram of oil. The test is used to indicate the amount of oxidation that the fluid has undergone. The TAN increases as the fluid undergoes increased amounts of oxidation.
unit agreement	An agreement made between lessees and lessors of mineral rights within a defined area to share production costs and revenues.
unit price	For an oil sands royalty project, the net value of sold substances measured at the royalty calculation point.
unrecovered balance	See net cumulative balance .
zone designation	A description of the stratigraphic interval for a particular set of mineral rights.

Appendix B

B. Project Application Forms and Approvals

- Application for Royalty Terms Under the Oil Sands Royalty Regulation, 1997 (AR 185/97)
- Economic Evaluation Data (In-Situ)
- Ministerial Order (Oil Sands Royalty Project Approval Order)

Referenced from Section 3.3.2 in the Oil Sands Royalty Guidelines

APPLICATION FOR ROYALTY TERMS UNDER THE OIL SANDS ROYALTY REGULATION, 1997 (AR 185/97)

PROJECT STATUS

- New Project or Project Amendment (indicate type)
- Project Expansion
 - Project Amalgamation
 - Other (explain)

DEFINITIONS

“**The regulation**” refers to the *Oil Sands Royalty Regulation, 1997 (AR 185/97)*. Section references (s.) refer to the regulation.

“**The Department**” refers to the Alberta Department of Energy.

A **new project** is an oil sands project that has not commenced production or a project for which royalty is currently calculated under the *Oil Sands Royalty Regulation, 1984 (AR 166/84)*.

A **project amendment** is an amendment to a currently approved oil sands royalty project.

- Project **expansions** add lands or facilities, usually from a new or amended Alberta Energy and Utilities Board (EUB) approval.
- Project **amalgamations** combine two or more projects into one project for the purposes of the regulation.
- **Other** amendments include the Department-sanctioned removal of lands or facilities, or other significant changes to the initial project description issued when the project was approved.

PROJECT OWNERSHIP

s. 15 **Project Owner(s)**

Identify and provide contact information for all project owners.

When there is more than one owner, identify each owner’s equity percentage and include a copy of the operating agreement.

s. 16(1)
&
s. 15(2) **Freehold Interests**

When the project includes freehold rights, include a copy of the unit agreement. Project applications that propose the inclusion of freehold lands but do not submit a unit agreement will not be approved.

s. 19
&
s. 16(2) **Qualifying Joint Ventures**

Applicants, who feel their projects are qualifying joint ventures, as defined by the regulation, must include a copy of the joint venture agreement.

PROJECT IDENTIFICATION

Include the following information.

- project name (and OSR project approval number, if the application is for an amendment)
- project contact person, including the contact person's
 - name
 - title
 - company
 - mailing address
 - courier address (as appropriate)
 - telephone number and area code
 - fax number and area code
 - e-mail address

The contact person is often the project operator. All project-related issues and correspondence are directed to the project contact person. The project operator is responsible for notifying the Department if contact information changes.

- s. 16(2)(v) ▪ project operator

If the operator is not the sole owner, attach a copy of the operating agreement to validate the operator's legal authority to represent the project owners.

PROJECT OVERVIEW

Provide a summary of the project's history and development plans, including

- a description of the lands and facilities included within the proposed project
- the dates when lands and leases were acquired
- the locations of the first wells on the project site and the dates they were drilled
- annual production to date
- other relevant details

Applications pertaining to project amendments must describe the relationship between the proposed amendment and the existing project. Applications that do not provide this information will not be processed.

PROJECT DESCRIPTION

Information provided in this section is the basis of the project description issued as part of an oil sands royalty project approval order. If the project application includes errors in defining the project, lands and facilities may be excluded from the project description. Costs may be disallowed as a result.

S. 17(1) **Alberta Energy and Utilities Board Approvals**

The production schemes, operations, processing plants, wells and facilities of a proposed oil sands royalty project must all be approved by the Alberta Energy and Utilities Board (EUB).

Describe each project component and include a copy of the relevant EUB approval. Note any specific terms or conditions required by the EUB. Related applications and approvals for separate facilities (central batteries, processing plants (cleaning and treating plants, upgraders), sand disposal facilities, pipelines, etc.) must also be included.

All required EUB approvals must be in place before an oil sands royalty project can be approved.

S. 17(1) **Lands, Leases and Mineral Rights**

Provide the following information about the project development area:

- project lands
 - legal land descriptions (section, township, range and meridian) that define the surface areas included in the project
 - A map showing the area, the project and facilities must be included.
- project leases
 - the lease number and lease description for all leased lands included within the project
 - the subsurface strata (geological names and zone designations or deeper rights reversion zone designation) and deposits from which oil sands products will be recovered
 - copy of lease agreement

Project Operations

Describe the following:

- the recovery methods and technology that will be used
- the oil sands products that will be recovered or processed
- information on development plans or production profile

Facilities and Other Capital Assets

Provide the following information about each facility and asset required to produce the proposed oil sands products:

- the function
- the location
- the facility name and identification code, if available
- the appropriate EUB approvals or permits

If the proposed project includes wells, provide the unique well identifier and Finished Drilling Date for each well.

Identify all off-lease facilities and assets and all shared (co-owned) facilities. Specify each owner's equity share.

FINANCIAL DETAILS

Financial information submitted by an oil sands royalty project applicant is kept confidential. All financial information is subject to verification by Department of Energy auditors.

s. 18(1)
&
s. 15(5) Use the Department's prior net cumulative balance (PNCB) forms (or in-house equivalents) to itemize all project costs and revenues. PNCB forms can be downloaded from the Department website. An authorization of expenditure (AFE) or comparable budgetary approval document must be included with each form.

Submit a separate PNCB form for each scheme or operation proposed for inclusion in the oil sands royalty project.

- Calculation of Prior Net Cumulative Balance: Summary
 - This form summarizes the costs and revenues for the appropriate period. Provide information for all the categories included on this form.
- Prior Net Cumulative Balance: Cost Detail
 - Complete a cost detail form for each year reported on the PNCB summary. For all capital assets, cross-reference the corresponding AFE number on a separate sheet. NOTE: The categories included on the cost detail form are intended as examples. Project applicants may substitute the listed categories with ones that reflect their particular operations.
 - Provide proposed allocations between project and non-project assets (if applicable)
- Prior Net Cumulative Balance: Revenue Detail
 - Complete a revenue detail form for each year reported on the summary form. Provide information for all the categories included on this form.

SIGNATURES

S. 15(5) Applications for oil sands projects must be signed by the senior financial officer who represents the project owner or the owner's designee and by the individual who prepared the application.

These signatures

- verify that the information included in the application is accurate
- authorize the Department to audit the information and to access additional project records, if required
- confirm that the applicant accepts responsibility for reporting project changes to the Department
- confirm the applicant's willingness to comply with the provisions of the *Oil Sands Royalty Regulation, 1997 (AR 185/97)*

Required Text for Signature Lines

We confirm the preceding information to be accurate and consent to provide the Department with access to all records relating to any physical or financial component necessary to verify the project's prior net cumulative balance. We agree to abide by the provisions of the *Oil Sands Royalty Regulation, 1997 (AR 185/97)*, and the *Oil Sands Royalty Guidelines* that support it.

We understand that it is our responsibility to report to the Department any changes made to the project, and that these changes may require an application to amend the oil sands royalty project approval for continued application of the provisions of the *Oil Sands Royalty Regulation, 1997 (AR 185/97)*.

Financial Officer

Name _____

Signature _____

Position _____

Person Who Completed the Application

Name _____

Signature _____

Position _____

COMPLETED APPLICATIONS SHOULD BE SUBMITTED TO:

Colin Pate, Director of Operational Policy
Oil Sands Business Unit, Oil Development Division
Alberta Department of Energy
North Petroleum Plaza,
9945 - 108 Street
Edmonton, Alberta Canada
T5K 2G8

QUESTIONS?

Contact Colin Pate at (780) 427-6513. [Email: colin.pate@gov.ab.ca](mailto:colin.pate@gov.ab.ca)



Oil Sands - Economic Evaluation Data (In-Situ) - Notes

Notes:

1. New project or Approved OSR
 - Economic data relating to a NEW project or to CURRENT approved OSR project
2. Amendment Application (not required for NEW project application)
 - Incremental economic data - assuming the project would be a stand-alone royalty project (i.e. as if it was owned by a third party)
 - data relating to the incremental wells only
3. OSR Amended Project (not required for NEW project application)
 - data relating to the combined project: OSR approved project + Amendment

The Department of Energy is requesting information on production, prices and costs based on the operator's best estimate. The Department, however, reserves the right to adjust any or all of the data provided while doing its internal review/analysis.

Last Updated: July 2005



Oil Sands - Economic Evaluation Data (In-Situ) - for New Project Applications or Existing Projects

New Project #: EUB approval # OR Existing OSR Project #: OSR ###

Project Name: Enter Name assigned to Project

Operator Name: Enter Name of Operator

Operator ID: Enter Operator ID

Notes:

Forecast Effective Date: YYYY MM DD

General Information:

First Production Date: YYYY Enter Year
 Last Production Date: YYYY Enter Year

API
 Sulphur %
 TAN

Opening unrecovered balance: PNCB (thousands (000's))

Diluent/Bitumen Ratio
 Stream

Data is real dollars starting Enter Year to Start Inflation

Thousands (000's)

Year ¹	Bitumen production volumes (m3)	# of Producing Wells	# of Injector Wells	Bitumen price (\$/m3)	Net Gas Production/Consumption (GJ) ²	Natural Gas Price (\$/GJ)	Non-gas Variable Opex (\$/m3)	Fixed Opex (\$/well-yr)	Opening Unrecovered Balance	Other Net Proceeds	Gross Revenue	1% Gross Revenue Crown Royalty	25% Net Revenue Crown Royalty	Crown Royalty Payable	Total Operating Costs	Capital Expenditures - Sustaining	Capital Expenditures - Strategic	Capital Expenditures - Abandonments	Unrecovered Balance before Return Allowance	Return Allowance Rate	Unrecovered Balance After Return Allowance
2004	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2005	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2006	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2007	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2008	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2009	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2010	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2011	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2012	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2013	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2014	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2015	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2016	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2017	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2018	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2019	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2020	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2021	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2022	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2023	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2024	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2025	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2026	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2027	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2028	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2029	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2030	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2031	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2032	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2033	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2034	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2035	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2036	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2037	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2038	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2039	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2040	0.00	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
Total	0.00										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			\$0.00

NPV at 6.00%

Notes

¹ Start at year that matches previously reported PNCB number . If, for example, PNCB was reported in the application to the department for the period ending June 2003, then the data in this table should start as of July 2003 (half-year) and then full years thereafter

² Enter gas consumption as negative



Oil Sands - Economic Evaluation Data (In-Situ) - Project Application Amendment

New Project: EUB approval #

Project Name: Enter Name assigned to Project

Operator Name: Enter Name of Operator

Operator ID: Enter Operator ID

Forecast Effective Date: YYYY MM DD

Notes:

General Information:

First Production Date: YYYY Enter Year

Last Production Date: YYYY Enter Year

Opening unrecovered balance: \$0 PNCB (thousands (000's))

Data is real dollars starting \$0 Enter Year to Start Inflation

API

Sulphur %

TAN

Diluent/Bitumen Ratio

Stream

Thousands (000's)

Year ¹	Bitumen production volumes (m3)	# of Producing Wells	# of Injector Wells	Bitumen price (\$/m3)	Net Gas Production/Consumption (GJ) ²	Natural Gas Price (\$/GJ)	Non-gas Variable Opex (\$/m3)	Fixed Opex (\$/well-yr)	Opening Unrecovered Balance	Other Net Proceeds	Gross Revenue	1% Gross			Total Operating Costs	Capital Expenditures - Sustaining	Capital Expenditures - Strategic	Capital Expenditures - Abandonments	Unrecovered Balance before Return Allowance	Return Allowance Rate	Unrecovered Balance After Return Allowance
												Revenue Crown Royalty	25% Net Revenue Crown Royalty	Crown Royalty Payable							
2004	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2005	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2006	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2007	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2008	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2009	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2010	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2011	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2012	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2013	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2014	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2015	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2016	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2017	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2018	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2019	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2020	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2021	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2022	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2023	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2024	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2025	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2026	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2027	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2028	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2029	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2030	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2031	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2032	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2033	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2034	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2035	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2036	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2037	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2038	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2039	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2040	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
Total	0.00											\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00

NPV at 6.00% \$0.00

Notes

¹ Start at year that matches previously reported PNCR number . If, for example, PNCR was reported in the application to the department for the period ending June 2003, then the data in this table should start as of July 2003 (half-year) and then full years thereafter

² Enter gas consumption as negative



Oil Sands - Economic Evaluation Data (In-Situ) - Amended Project

OSR Project Number: OSR ###

Project Name: Enter Name assigned to Project

Operator Name: Enter Name of Operator

Operator ID: Enter Operator ID

Forecast Effective Date: YYYY MM DD

General Information:

First Production Date: YYYY Enter Year
 Last Production Date: YYYY Enter Year

Opening unrecovered balance: \$0 PNCB (thousands (000's))

Data is real dollars starting \$0 Enter Year to Start Inflation

Notes:

API
 Sulphur %
 TAN
 Diluent/Bitumen Ratio
 Stream

Thousands (000's)

Year ¹	Bitumen production volumes (m3)	# of Producing Wells	# of Injector Wells	Bitumen price (\$/m3)	Net Gas Production/Consumption (GJ) ²	Natural Gas Price (\$/GJ)	Non-gas Variable Opex (\$/m3)	Fixed Opex (\$/well-yr)	Opening Unrecovered Balance	Other Net Proceeds	Gross Revenue	1% Gross Revenue Crown Royalty	25% Net Revenue Crown Royalty	Crown Royalty Payable	Total Operating Costs	Capital Expenditures - Sustaining	Capital Expenditures - Strategic	Capital Expenditures - Abandonments	Unrecovered Balance before Return Allowance	Return Allowance Rate	Unrecovered Balance After Return Allowance	
2004	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2005	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2006	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2007	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2008	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2009	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2010	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2011	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2012	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2013	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2014	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2015	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2016	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2017	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2018	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2019	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2020	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2021	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2022	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2023	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2024	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2025	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2026	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2027	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2028	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2029	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2030	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2031	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2032	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2033	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2034	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2035	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2036	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2037	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2038	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2039	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
2040	0.00	0	0	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00
Total	0.00										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00

NPV at 6.00% \$0.00

Notes

¹ Start at year that matches previously reported PNCB number . If, for example, PNCB was reported in the application to the department for the period ending June 2003, then the data in this table should start as of July 2003 (half-year) and then full years thereafter

² Enter gas consumption as negative



Oil Sands - Economic Evaluation Data (In-Situ) - Project Review Summary

EUB approval #

OSR ###

Enter Name assigned to Project

[Enter Name of Operator]

[Enter Operator ID]

YYYY MM DD

Notes:

	Bitumen volumes	Opening unrecovered balance	Gross revenue	Operating costs	Capital expenditures - sustaining	Capital expenditures - strategic	Capital expenditures - abandonments	Crown royalties - nominal	Crown royalties - discounted 6%
New Application or Existing OSR Project	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OSR Amendment Application	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amended OSR Project	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Difference	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

GOVERNMENT OF ALBERTA

DEPARTMENT OF ENERGY

MINISTERIAL ORDER __/2005

I, _____, Business Unit Leader, Oil Sands Development Business Unit, as the delegate of the Minister of Energy under section 8(1)(j) of the *Mines and Minerals Act*, R.S.A. 2000, c. M-17, make, pursuant to section 16 of the *Oil Sands Royalty Regulation, 1997*, A.R. 185/97, Project Approval Order No. OSR0__ as set out in the attached Appendix.

DATED at Edmonton, Alberta, this _____ day of _____, 2005.

**Business Unit Leader
Oil Sands Development Business
Unit
Department of Energy**

APPENDIX TO PROJECT APPROVAL ORDER NO. OSR0XX

issued under the authority of the

Mines and Minerals Act

Oil Sands Royalty Regulation, 1997 (AR 185/97)

- (S.16(1)) 1. Project ABC is hereby approved as a Project under and for the purposes of the Oil Sands Royalty Regulation, 1997 (the “Regulation”) in accordance with this Order.
- (S.17(1),(3)) 2. Project ABC comprises
- (a) the operations and assets described in Schedule A to this Project Approval Order No. OSR0XX (Part 1 of Schedule A, excluding Part 2 of Schedule A, being referred to as the “initial Project description”).
- (S.16(2)(a)(ii)) 3. For the purposes of the Regulation, the effective date of the initial Project description is January 1, 2004.
- (S.16(2)(a)(iii)) 4. The prior net cumulative balance in respect of the initial Project description is \$500,000,000, as described in Part 3 of Schedule A to the Project Approval Order No. OSR0XX, effective January 1, 2004, and is subject to verification and, if necessary, adjustment pursuant to an audit performed on behalf of the Crown.
- (S.16(2)(a)(iv)) 5. Project ABC is not a Qualifying Joint Venture Project for the purposes of the Regulation.
- (S.16(2)(a)(v)) 6. The initial Operator of Project ABC is XYZ Corp. Inc.
- (S.16(2)(a)(vi)) 7. This approval is subject to the following conditions:
- (a) The Minister will upon request, be given such access to the financial, production and other records as the Minister considers necessary for the purposes of verification and audit in relation to the prior net cumulative balance of the initial Project description, and may amend the prior net cumulative balance of the initial Project description, in accordance with the Minister's findings. Each time the Minister approves, under the Regulation, an amendment to the ABC Project, if any, the Minister will upon request, be given such access to the

financial, production and other records as the Minister considers necessary for the purposes of verification and audit in relation to the modifications to the prior net cumulative balance attributable to that amendment, and may amend the modifications to the prior net cumulative balance, attributable to that amendment, in accordance with the Minister's findings.

(b) The Minister may, from time to time, add terms and conditions to this approval and amend or delete the terms and conditions of this approval.

8. Attachment 1, Attachment 2 and Attachment 3 to this Project Approval Order No. OSR0XX are added to and form part of this Project Approval Order No. OSR0XX, as Schedule A, Exhibit A of Schedule A and Exhibit B of Schedule A, respectively.

ATTACHMENT 1 TO PROJECT APPROVAL ORDER NO. OSR0XX

Schedule A to Project Approval Order No. OSR0XX Initial Project Description

PART 1: Inclusions

- (S.17(1)(b)(i)) 1. Project ABC occupies the following development areas, referred to as the “Project Leases”, and which are displayed on Exhibit A of this Schedule A:
- a) Portions of Crown oil sands agreement 79XXXXXXXXX, granting the rights to oil sands in the Wabiskaw-McMurray, as described in Zone Designation 3412, underlying the following lands:
 - (i) the northwest quarter of Section XX in Township XX, Range X West of the Xth Meridian;
 - (ii) Section XX in Township XX, Range X West of the Xth Meridian; and
 - (iii) the west half of Section XX in Township XX, Range X West of the Xth Meridian.
- (S.17(1)(b)(ii)) 2. Project ABC occupies the following surface areas, referred to as the “Project Lands”, and which are displayed on Exhibit A of this Schedule A:
- (a) the northwest quarter of Section XX in Township XX, Range X West of the Xth Meridian;
 - (b) Section XX in Township XX, Range X West of the Xth Meridian; and
 - (c) the west half of Section XX in Township XX, Range X West of the Xth Meridian.
- (S.17(3)) 3. Project ABC is limited to the following activities, identified in the Operator’s applications to the Minister under the Regulation, and to the Alberta Energy and Utilities Board (“EUB”) under the Oil Sands Conservation Act, and referred to here as the “Project Operations”:

- (a) recovering Project substances through primary methods;
 - (b) recovering Project substances through thermal methods, such as steam assisted gravity drainage (“SAGD”) technologies, using the horizontal injection-production well pairs identified in Exhibit B, and without the assistance of gaseous or liquid solvents;
 - (c) producing no more than 25,000 m³ of Project substances per month, recovered from Project wells on the Project Lands;
 - (d) obtaining cleaned crude bitumen from Project substances through a processing plant located on Project Lands, blending the cleaned crude bitumen with diluent on Project Lands, temporarily storing the blended cleaned crude bitumen at tank facilities on Project Lands;
 - (e) separating water from the bitumen, for treating, de-oiling and disposal at Project disposal wells located off the Project Lands; and
 - (f) disposing of the cleaned crude bitumen, without further processing into other oil sands products, and transporting the blended cleaned crude bitumen to market by truck.
- (S.17(1)(a)) 4. Until December 31, 2010, the ABC Project will operate under the following Approval, granted by the EUB pursuant to the Oil Sands Conservation Act, for the recovery by steam assisted gravity drainage of crude bitumen from the Wabiskaw-McMurray Deposit in the Athabasca Oil Sands Area:
- (a) EUB Approval No. XXXX, dated January 1, 2002 and expiring December 31, 2010.
- (S.17(3)) 5. Project ABC includes only the crude bitumen production wells described in Exhibit B of this Schedule A and their associated well pads.
- (S.17(3)) 6. Project ABC includes the SAGD injection, observation, water source, water disposal, water monitoring and delineation wells described in Exhibit B of this Schedule A. The ABC Project also includes any subsequent wells, other than crude bitumen wells, and their associated well pads, if any, which:

- (a) were drilled or recompleted after the effective date of the initial Project description;
- (b) have both a surface location and a bottom hole location on the Project Lands; and
- (c) fall within the definition of “Project Operations.”

(S.17(3))

7. Project ABC includes the following facilities, identified in the Operator’s application to the Minister under the Regulation, and to the EUB under the Oil Sands Conservation Act, and referred to here as the “Project Facilities”:

- (a) the SAGD facilities, located on Project Lands, including the steam generator, boiler feedwater treatment system, production treatment equipment, production storage tanks, produced gas system and electrical generators, residing on Project Lands and which are necessary for Project Operations;
- (b) the Class Ib scheme for the disposal of water, operating under EUB Approval No. XXXX, the waste water disposal system, including pipelines and power lines, and the water disposal and water monitoring wells listed on Exhibit B and which are necessary for Project Operations;
- (c) the following crude oil and crude bitumen batteries residing on Project Lands and that are necessary for Project Operations:

(i) Facility Code	Name
(ii) XXXXXXXX	ABC Battery 01-31
(iii) XXXXXXXX	ABC Steam 01-31

- (d) all other project infrastructure, including buildings, access roads, well pads and pad facilities, well heads, pumps and engines, tanks and heaters, steam distribution systems, flares, pipelines, electric power lines, residing on Project Lands and which are necessary for Project Operations;
- (i) including any subsequent facilities, built after the effective date of the initial Project description on the Project Lands, and which fall within the definition of “Project Operations”.

PART 2: Exclusions

- (S.17(3)) 1. Any wells, facilities or infrastructure residing off the Project Lands, unless specifically included in Part 1 as being part of the initial Project description.

PART 3 – Prior Net Cumulative Balance

- (S.18(1)(a)) 1. The prior net cumulative balance of the initial Project description will include all revenues and allowed costs of Project ABC incurred from January 1, 2001 to the effective date of the initial Project description.
- (S.18(1)(a)) 2. The prior net cumulative balance of the initial Project description will also include allowed costs of the Project ABC incurred from November 1, 1999 to December 31, 2000 during which time the Operator was taking diligent and substantial action, through community consultation and baseline environmental surveys, towards obtaining EUB approval for their scheme.

ATTACHMENT 2 TO PROJECT APPROVAL ORDER NO. OSR0XX

Exhibit A of Schedule A to Project Approval Order No. OSR0XX

Project Leases and Project Lands

The following page of Attachment 2 to Project Approval Order No. OSR0XX includes a map displaying the location of the Project Leases and Project Lands. This map is included for the purpose of illustration only. In the event of a discrepancy between this map and the written legal descriptions of the Project Leases, Project Lands and Project Wells in Schedule A, the written legal descriptions in Schedule A will take precedence.

Sample

ATTACHMENT 3 TO PROJECT APPROVAL ORDER NO. OSR0XX

Exhibit B of Schedule A to Project Approval Order No. OSR004

Project Wells

1. **Crude Bitumen Production Wells**

Well Name	CPA Format Well ID	Drilling Completed
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2. **SAGD Injection Wells**

Well Name	CPA Format Well ID	Drilling Completed
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3. **Observation Wells**

Well Name	CPA Format Well ID	Drilling Completed
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4. **Delineation Wells**

Well Name	CPA Format Well ID	Drilling Completed
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5. **Water Source Wells Located off Project Lands**

Well Name	CPA Format Well ID	Drilling Completed
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6. **Disposal Wells**

Well Name	CPA Format Well ID	Drilling Completed
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Appendix C

C. Prior Net Cumulative Balance

- Prior Net Cumulative Balance Summary
- Prior Net Cumulative Balance Cost Detail
- Prior Net Cumulative Balance Revenue Detail

Referenced from Section 2.3.10 in the Oil Sands Royalty Guidelines



Calculation of Prior Net Cumulative Balance

Summary

PNCB_Sum

Project Name: [Enter Name assigned to Project]

Operator Name: [Enter name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Year (YYYY)	Month	Allowed Operating Costs (incl. diluent costs)	Allowed Capital Costs	Royalty Paid	Less: Revenue (incl. diluent revenue)	Unrecovered Balance
						\$0
2002	January	\$1	\$1	\$1	(\$1)	\$2
	February	\$1	\$1	\$1	(\$1)	\$4
	March	\$1	\$1	\$1	(\$1)	\$6
	April	\$1	\$1	\$1	(\$1)	\$8
	May	\$1	\$1	\$1	(\$1)	\$10
	June	\$1	\$1	\$1	(\$1)	\$12
	July	\$1	\$1	\$1	(\$1)	\$14
	August	\$1	\$1	\$1	(\$1)	\$16
	September	\$1	\$1	\$1	(\$1)	\$18
	October	\$1	\$1	\$1	(\$1)	\$20
	November	\$1	\$1	\$1	(\$1)	\$22
	December	\$1	\$1	\$1	(\$1)	\$24
2002	Period Total	\$12	\$12	\$12	(\$12)	
	Balance					\$24
2003	January	\$1	\$1	\$1	(\$1)	\$26
	February	\$1	\$1	\$1	(\$1)	\$28
	March	\$1	\$1	\$1	(\$1)	\$30
	April	\$1	\$1	\$1	(\$1)	\$32
	May	\$1	\$1	\$1	(\$1)	\$34
	June	\$1	\$1	\$1	(\$1)	\$36
	July	\$1	\$1	\$1	(\$1)	\$38
	August	\$1	\$1	\$1	(\$1)	\$40
	September	\$1	\$1	\$1	(\$1)	\$42
	October	\$1	\$1	\$1	(\$1)	\$44
	November	\$1	\$1	\$1	(\$1)	\$46
	December	\$1	\$1	\$1	(\$1)	\$48
2003	Period Total	\$12	\$12	\$12	(\$12)	
	Balance					\$48
2004	January	\$1	\$1	\$1	(\$1)	\$50
	February	\$1	\$1	\$1	(\$1)	\$52
	March	\$1	\$1	\$1	(\$1)	\$54
	April	\$1	\$1	\$1	(\$1)	\$56
	May	\$1	\$1	\$1	(\$1)	\$58
	June	\$1	\$1	\$1	(\$1)	\$60
	July	\$1	\$1	\$1	(\$1)	\$62
	August	\$1	\$1	\$1	(\$1)	\$64
	September	\$1	\$1	\$1	(\$1)	\$66
	October	\$1	\$1	\$1	(\$1)	\$68
	November	\$1	\$1	\$1	(\$1)	\$70
	December	\$1	\$1	\$1	(\$1)	\$72
2004	Period Total	\$12	\$12	\$12	(\$12)	
	Balance					\$72
2005	January	\$1	\$1	\$1	(\$1)	\$74
	February	\$1	\$1	\$1	(\$1)	\$76
	March	\$1	\$1	\$1	(\$1)	\$78
	April	\$1	\$1	\$1	(\$1)	\$80
	May	\$1	\$1	\$1	(\$1)	\$82
	June	\$1	\$1	\$1	(\$1)	\$84
	July	\$1	\$1	\$1	(\$1)	\$86
	August	\$1	\$1	\$1	(\$1)	\$88
	September	\$1	\$1	\$1	(\$1)	\$90
	October	\$1	\$1	\$1	(\$1)	\$92
	November	\$1	\$1	\$1	(\$1)	\$94
	December	\$1	\$1	\$1	(\$1)	\$96
2005	Period Total	\$12	\$12	\$12	(\$12)	
Opening Balance						\$96



Prior Net Cumulative Balance

Cost Detail PNCB - Cost

OSR Project Number: [\[Enter Name assigned to Project \]](#)
 Operator Name: [\[Enter name of Operator \]](#)
 Operator ID: [\[Enter Operator ID \]](#)
 For the Period: [YYYY MM DD](#) to: [YYYY MM DD](#)

Operating Cost Details

Month	Staff	Supplies & Services	Repairs & Maintenance	Utilities	Custom Processing	Diluent	Royalty	Total
January	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
February	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
March	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
April	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
May	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
June	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
July	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
August	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
September	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
October	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
November	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
December	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Capital Cost Details

Month	Drilling & Completion	Production Equipment	New Facilities	Facility Improvements	Seismic	Other	Other	Total
January	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
February	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
March	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
April	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
May	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
June	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
July	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
August	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
September	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
October	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
November	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
December	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sub-total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Period Total

\$0



Prior Net Cumulative Balance

Revenue Detail PNCB - Rev

OSR Project Number: [Enter Name assigned to Project]
 Operator Name: [Enter name of Operator]
 Operator ID: [Enter Operator ID]
 For the Period: YYYY MM DD to: YYYY MM DD

Month	Sales Volume** (m ³)	Sales Revenue (\$)	Less: Handling Charges (\$)	Other Net Proceeds (\$)	Project Revenue (\$)
January	0.0	\$0	\$0	\$0	\$0
February	0.0	\$0	\$0	\$0	\$0
March	0.0	\$0	\$0	\$0	\$0
April	0.0	\$0	\$0	\$0	\$0
May	0.0	\$0	\$0	\$0	\$0
June	0.0	\$0	\$0	\$0	\$0
July	0.0	\$0	\$0	\$0	\$0
August	0.0	\$0	\$0	\$0	\$0
September	0.0	\$0	\$0	\$0	\$0
October	0.0	\$0	\$0	\$0	\$0
November	0.0	\$0	\$0	\$0	\$0
December	0.0	\$0	\$0	\$0	\$0
Total	0.0	\$0	\$0	\$0	\$0

** If more than one oil sands product is sold then the volume and sales revenue must be reported individually.

Appendix D

D. Pre-Payout - Monthly Royalty Calculation Reporting Forms

- MRC-1a Pre-payout Monthly Royalty Calculation (Blended Bitumen)
- MRC-1b Pre-payout Monthly Royalty Calculation (Bitumen)
- MRC-1c Pre-payout Monthly Royalty Calculation (Synthetic Crude Oil)
- MRC-1d Pre-payout Monthly Royalty Calculation (Other Oil Sands Products)

Referenced from Section 6.1.1 in the Oil Sands Royalty Guidelines

Pre-payout -- Monthly Royalty Calculation (Blended Bitumen)

Project:	Project Name	OSR Project Number:	OSR XXX
Operator:	Operator Name	EUB Scheme Number:	XXXX
Operator ID:	0XX9	Production Month:	YYYY-MM

		<u>Volume (m³)</u>	<u>Price (\$/m³)</u>	<u>Value (\$)</u>																									
Blend	Sales*	300.2	\$110.00	\$33,022.00																									
	Less: Handling Charges																												
	Trucking	100.2	\$5.00	(\$501.00)																									
	Pipeline Tariffs	200.0	\$0.80	(\$160.00)																									
	Other	0.0	\$0.00	\$0.00																									
	Unit Price	300.2	\$107.80	\$32,361.00																									
	Royalty Share Disposed	3.0	\$107.80	\$323.61																									
	Less: Diluent Value	(0.6)	\$140.00	(\$84.00)																									
	Royalty Payable	2.4	\$99.75	\$239.61																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><i>*Diluent Included in Sales</i></td> <td style="width: 25%;"></td> <td style="width: 15%; text-align: right;">60.0</td> <td style="width: 15%; text-align: right;">\$140.00</td> <td style="width: 20%; text-align: right;">\$8,400.00</td> </tr> <tr> <td><i>Crude Bitumen Net Sales</i></td> <td></td> <td style="text-align: right;">240.2</td> <td style="text-align: right;">\$99.75</td> <td style="text-align: right;">\$23,961.00</td> </tr> <tr> <td><i>Production:</i></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;"><i>Crown (m³):</i></td> <td></td> <td style="text-align: right;">300.0</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;"><i>Freehold (m³):</i></td> <td></td> <td style="text-align: right;">0.0</td> <td></td> <td></td> </tr> </table>					<i>*Diluent Included in Sales</i>		60.0	\$140.00	\$8,400.00	<i>Crude Bitumen Net Sales</i>		240.2	\$99.75	\$23,961.00	<i>Production:</i>					<i>Crown (m³):</i>		300.0			<i>Freehold (m³):</i>		0.0		
<i>*Diluent Included in Sales</i>		60.0	\$140.00	\$8,400.00																									
<i>Crude Bitumen Net Sales</i>		240.2	\$99.75	\$23,961.00																									
<i>Production:</i>																													
<i>Crown (m³):</i>		300.0																											
<i>Freehold (m³):</i>		0.0																											

Completed By: _____

Telephone: _____

E-Mail Address: _____

Date Prepared: _____

Pre-payout -- Monthly Royalty Calculation (Bitumen)

Project:	Project Name	OSR Project Number:	OSR XXX
Operator:	Operator Name	EUB Scheme Number:	XXXX
Operator ID:	0XX9	Production Month:	YYYY-MM

		<u>Volume (m³)</u>	<u>Price (\$/m³)</u>	<u>Value (\$)</u>
Bitumen	Sales*	120.0	\$40.00	\$4,800.00
	Less: Handling Charges			
	Trucking (clean oil only)	120.0	\$5.00	(\$600.00)
	Pipeline Tariffs	0.0	\$0.00	\$0.00
	Other	0.0	\$0.00	\$0.00
	Unit Price	120.0	\$35.00	\$4,200.00
	Royalty Share Disposed	1.2	\$35.00	\$42.00
	Royalty Payable	1.2	\$35.00	\$42.00

<i>Crude Bitumen Net Sales</i>	120.0	\$35.00	\$4,200.00
<i>Production:</i>			
<i>Crown (m³):</i>	120.0		
<i>Freehold (m³):</i>	0.0		

Completed By: _____

Telephone: _____

E-Mail Address: _____

Date Prepared: _____

Pre-payout -- Monthly Royalty Calculation (Synthetic Crude Oil)

Project:	Project Name	OSR Project Number:	OSR XXX
Operator:	Operator Name	EUB Scheme Number:	XXXX
Operator ID:	0XX9	Production Month:	YYYY-MM

		<u>Volume (m³)</u>	<u>Price (\$/m³)</u>	<u>Value (\$)</u>
SCO	Sales*	200.0	\$140.00	\$28,000.00
	Less: Handling Charges			
	Trucking	100.0	\$5.00	(\$500.00)
	Pipeline Tariffs	100.0	\$0.60	(\$60.00)
	Other	0.0	\$0.00	\$0.00
	Unit Price	200.0	\$137.20	\$27,440.00
	Royalty Share Disposed	2.0	\$137.20	\$274.40
	Royalty Payable	2.0	\$137.20	\$274.40

<i>Crude Bitumen Net Sales</i>	200.0	\$137.20	\$27,440.00
<i>Production:</i>			
<i>Crown (m³):</i>	220.0		
<i>Freehold (m³):</i>	0.0		

Completed By: _____

Telephone: _____

E-Mail Address: _____

Date Prepared: _____

Pre-payout -- Monthly Royalty Calculation (Other Oil Sands Products)

Project:	Project Name	OSR Project Number:	OSR XXX
Operator:	Operator Name	EUB Scheme Number:	XXXX
Operator ID:	0XX9	Production Month:	YYYY-MM

		<u>Volume (m³)</u>	<u>Price (\$/m³)</u>	<u>Value (\$)</u>
Other	Sales	125.0	\$5.00	\$625.00
	Less: Handling Charges			
	Transport	0.0	\$0.00	\$0.00
	Other	125.0	\$4.00	(\$500.00)
	Unit Price	125.0	\$1.00	\$125.00
	Royalty Share Disposed	1.3	\$1.00	\$1.25
	Royalty Payable	1.3	\$1.00	\$1.25

<i>Production:</i>	
<i>Crown (m³):</i>	125.0
<i>Freehold (m³):</i>	0.0

Completed By: _____

Telephone: _____

E-Mail Address: _____

Date Prepared: _____

Appendix E

E. Pre-Payout - End-of-Period Statement Reporting Forms

- PRE-1 Auditor's Letter Requirement
- PRE-2 Project Payout Status
- PRE-3 Allowed Costs Summary
- PRE-3a Allowed Cost Detail (Sample format a)
- PRE-3b Allowed Cost Detail (Sample format b)
- PRE-4 Return Allowance
- PRE-5 Revenue Summary
- PRE-6 Royalty Summary
- PRE-6a Royalty Detail (Blended Bitumen)
- PRE-6b Royalty Detail (Bitumen)
- PRE-6c Royalty Detail (Synthetic Crude Oil - SCO)
- PRE-6d Royalty Detail (Other Oil Sand Products)

Referenced from Section 6.1.2 in the Oil Sands Royalty Guidelines

Signed letter from the Auditing Firm indicating they are satisfied that the Operator has complied with the Oil Sands Royalty Regulation, 1997. Independent audited statements are required only if the Project has bitumen sales that average greater than 1,590 m³/day (10,000 bbls/day) during the Period.

If sales average less than 1,590 m³/day (10,000 bbls/ day), then end of period financial statements prepared by the Operator and signed by the Operator or the Operator's Representative.

This sheet is for your information, it does not need to be submitted.



Oil Sands Pre Payout Project - End of Period Statement

Project Payout Status

PRE-2

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]

Operator ID: [ENTER Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Cumulative Costs

Cumulative Costs at Beginning of Period	<u>YYYY MM DD</u> (date)	\$2,000,000	
Adjustments from Prior Periods		<u>\$0</u>	
Revised Cumulative Costs for Beginning of Period		\$2,000,000	
Allowable Costs Incurred during the Period (excluding Royalty and Return Allowance)		\$14,136,276	[PRE -3]
Royalty Payable during the Period		\$37,760	[PRE - 6]
Return Allowance Earned during the Period		<u>\$304,045</u>	[PRE - 4]
Cumulative Costs at End of Period	<u>YYYY MM DD</u> (date)		\$16,478,081

Cumulative Revenue

Cumulative Revenue at Beginning of Period	<u>YYYY MM DD</u> (date)	(\$250,000)	
Adjustments from Prior Periods		<u>\$0</u>	
Revised Cumulative Revenue for Beginning of Period		(\$250,000)	
Revenue during the Period		<u>(\$8,347,262)</u>	[PRE - 5]
Cumulative Revenue at End of Period	<u>YYYY MM DD</u> (date)		<u>(\$8,597,262)</u>

Project Net Cumulative Cost/Project Net Cumulative Balance at End of Period YYYY MM DD \$7,880,819
(date)

Expected Date of Payout based on estimated price \$/m³, price differential, production volumes, and Cdn. exchange rate. _____
(date)

Section 29 (2)(a) of the Oil Sands Royalty Regulation, 1997 requires that the End of Period Statement be signed by the Operator of the Project or by the Operator's representative.



Oil Sands - Pre Payout Project - End of Period Statement

Allowed Costs Summary PRE-3

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project
Operator Name: [ENTER Name of Operator]
Operator ID: [ENTER Operator ID]
For the Period: YYYY MM DD to: YYYY MM DD

Allowed Costs

Operating:	\$10,365,000
Capital:	\$2,500,000
Diluent:	<u>\$1,271,276</u>
Sub-total:	\$14,136,276
Royalty Payable:	\$37,760
Return Allowance Earned:	<u>\$304,045</u>
Total	\$14,478,081



Oil Sands - Pre Payout Project - End of Period Statement Allowed Cost Detail

PRE-3Suppa

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]
 Operator ID: [ENTER Operator ID]
 For the Period: YYYY MM DD to: YYYY MM DD

Operating Cost Details

Month	Staff	Supplies & Services	Repairs & Maintenance	Utilities	Fuel	Other	Total
January	\$375,000	\$190,833	\$149,750	\$70,087	\$74,096	\$8,325	\$868,091
February	\$386,123	\$189,547	\$148,954	\$69,871	\$73,858	\$8,268	\$876,621
March	\$369,045	\$187,526	\$147,985	\$66,457	\$73,103	\$8,459	\$852,575
April	\$375,078	\$188,987	\$168,512	\$68,957	\$75,184	\$8,359	\$885,077
May	\$372,896	\$192,351	\$159,255	\$71,578	\$74,358	\$8,459	\$878,897
June	\$377,891	\$187,458	\$155,877	\$70,259	\$75,895	\$8,247	\$875,627
July	\$381,897	\$194,127	\$150,459	\$69,875	\$63,523	\$8,115	\$867,996
August	\$375,149	\$190,752	\$145,023	\$68,569	\$62,335	\$8,357	\$850,185
September	\$377,584	\$189,741	\$146,257	\$70,589	\$64,172	\$8,168	\$856,511
October	\$376,582	\$192,341	\$147,541	\$70,015	\$64,650	\$8,195	\$859,324
November	\$374,394	\$186,594	\$144,052	\$69,783	\$64,466	\$8,349	\$847,638
December	\$367,361	\$199,743	\$133,335	\$71,930	\$65,390	\$8,699	\$846,458
Sub-total	\$4,509,000	\$2,290,000	\$1,797,000	\$837,970	\$831,030	\$100,000	\$10,365,000

Capital Cost Details

Month	Drilling & Completion	Production Equipment	New Facilities	Facility Improvements	Seismic	Other	Total
January	\$100,000	\$149,875	\$0	\$41,738	\$22,229	\$11,200	\$325,042
February	\$100,000	\$151,789	\$0	\$41,615	\$22,157	\$12,500	\$328,061
March	\$100,000	\$150,265	\$0	\$39,660	\$21,931	\$13,887	\$325,743
April	\$0	\$0	\$0	\$41,092	\$22,555	\$13,358	\$77,005
May	\$0	\$0	\$87,450	\$42,593	\$22,307	\$10,258	\$162,608
June	\$0	\$0	\$88,100	\$41,837	\$23,664	\$11,239	\$164,840
July	\$0	\$0	\$86,900	\$41,617	\$19,057	\$11,781	\$159,355
August	\$0	\$0	\$87,550	\$40,869	\$18,701	\$12,593	\$159,713
September	\$0	\$0	\$0	\$42,026	\$19,943	\$13,954	\$75,923
October	\$0	\$0	\$0	\$41,698	\$19,395	\$12,891	\$73,984
November	\$100,000	\$154,753	\$0	\$41,565	\$19,340	\$12,658	\$328,316
December	\$100,000	\$143,318	\$0	\$42,794	\$19,617	\$13,681	\$319,410
Sub-total	\$500,000	\$750,000	\$350,000	\$499,104	\$250,896	\$150,000	\$2,500,000

Diluent	\$1,271,276
Royalty Payable	\$37,760
Return Allowance	\$304,045
Period Total	\$14,478,081



Oil Sands - Pre Payout Project - End of Period Statement

Allowed Cost Detail

PRE-3Suppb

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]

Operator ID: [ENTER Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Operating Costs:

Staff	\$4,509,000	
Fuel	\$1,669,000	
Supplies	\$2,290,000	
Contracted Services	\$1,797,000	
Research	\$100,000	
Total:		\$10,365,000

Capital Costs:

Sustaining:

Equipment	\$750,000	
Facility Rehab.	\$750,000	
Total:		\$1,500,000

Developmental

Drilling	\$500,000	
New Facilities	\$350,000	
Other	\$150,000	
Total:		\$1,000,000

Diluent		\$1,271,276
Royalty Payable		\$37,760
Return Allowance		\$304,045
Total Costs		\$14,478,080

OR:

Operating Costs:

Mining	\$4,509,000	
Extraction	\$1,669,000	
Upgrading	\$2,290,000	
Contracted Services	\$1,797,000	
Research	\$100,000	
Total:		\$10,365,000

Capital Costs:

Sustaining:

Equipment	\$750,000	
Facility Rehab.	\$750,000	
Total:		\$1,500,000

Developmental

Drilling	\$500,000	
New Facilities	\$350,000	
Other	\$150,000	
Total:		\$1,000,000

Diluent		\$1,271,276
Royalty Payable		\$37,760
Return Allowance		\$304,045
Total Costs		\$14,478,080



Oil Sands - Pre Payout Project - End of Period Statement

Return Allowance
PRE-4

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]
 Operator ID: [ENTER Operator ID]
 For the Period: YYYY MM DD to: YYYY MM DD

Month	Costs (excluding Royalty & Return Allowance) (\$)	Royalty Payable (\$)	Less: Cumulative Revenue (\$)	Net Cumulative Balance (base for Return Allowance) (\$)	LTBR - monthly rate (%)	Return Allowance (\$)	Cumulative Cost (\$)
Carry Forward from Previous Period							\$2,000,000
January	\$1,277,523	\$2,368	(\$846,186)	\$2,433,705	0.46%	\$11,195	\$3,291,086
February	\$1,298,368	\$2,866	(\$1,501,498)	\$3,090,822	0.48%	\$14,836	\$4,607,156
March	\$1,230,784	\$1,877	(\$2,016,620)	\$3,823,197	0.46%	\$17,587	\$5,857,404
April	\$1,023,325	\$2,016	(\$2,554,478)	\$4,328,267	0.47%	\$20,343	\$6,903,088
May	\$1,141,991	\$2,914	(\$3,221,360)	\$4,826,632	0.47%	\$22,685	\$8,070,678
June	\$1,136,267	\$3,853	(\$3,977,461)	\$5,233,337	0.48%	\$25,120	\$9,235,918
July	\$1,157,751	\$3,698	(\$4,752,657)	\$5,644,710	0.47%	\$26,530	\$10,423,897
August	\$1,141,102	\$3,690	(\$5,527,858)	\$6,040,831	0.48%	\$28,996	\$11,597,685
September	\$1,062,834	\$3,698	(\$6,303,059)	\$6,361,158	0.48%	\$30,534	\$12,694,750
October	\$1,063,708	\$3,560	(\$7,064,460)	\$6,697,558	0.48%	\$32,148	\$13,794,167
November	\$1,306,354	\$3,601	(\$7,829,961)	\$7,274,161	0.49%	\$35,643	\$15,139,765
December	\$1,296,269	\$3,619	(\$8,597,262)	\$7,842,391	0.49%	\$38,428	\$16,478,081
Period Total	\$14,136,276	\$37,760				\$304,045	

Carry Forward to Next Period: \$16,478,081



Oil Sands - Pre Payout Project - End of Period Statement

Revenue Summary

PRE-5

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]

Operator ID: [ENTER Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Month	Sales Revenue (Bitumen, Blend, SCO or Other Oil Sands Products) (\$)	Less: Handling Charges (- \$)	Less: Diluent Costs (- \$)	Gross Revenue (\$)	Other Net Proceeds (\$)	Cumulative Revenue (\$)
Carry Forward from Previous Period						\$250,000
January	\$330,000	(\$8,814)	(\$84,390)	\$236,796	\$275,000	\$846,186
February	\$390,600	(\$10,288)	(\$93,685)	\$286,627	\$275,000	\$1,501,498
March	\$247,500	(\$7,378)	(\$52,467)	\$187,655	\$275,000	\$2,016,620
April	\$270,000	(\$7,142)	(\$61,244)	\$201,614	\$275,000	\$2,554,478
May	\$402,300	(\$10,418)	(\$100,486)	\$291,396	\$275,000	\$3,221,360
June	\$495,500	(\$14,399)	(\$95,800)	\$385,301	\$275,000	\$3,977,461
July	\$514,995	(\$14,799)	(\$130,400)	\$369,796	\$275,000	\$4,752,657
August	\$515,000	(\$14,799)	(\$131,204)	\$368,997	\$275,000	\$5,527,858
September	\$515,000	(\$14,799)	(\$130,400)	\$369,801	\$275,000	\$6,303,059
October	\$501,200	(\$14,799)	(\$130,400)	\$356,001	\$275,000	\$7,064,460
November	\$505,300	(\$14,799)	(\$130,400)	\$360,101	\$275,000	\$7,829,961
December	\$507,100	(\$14,799)	(\$130,400)	\$361,901	\$275,000	\$8,597,262
Period Total	\$5,194,495	(\$147,233)	(\$1,271,276)	\$3,775,986	\$3,300,000	\$8,347,262
Carry Forward to Next Period						\$8,597,262

Revenue from Other Net Proceeds

Disposition of assets and non-oil sands' products	\$0
Sale / Lease of Technology	\$4,000
Insurance and Legal Settlements	\$0
Custom Processing and Transportation Fees	\$8,000
Processing of Project Owners' non-project substances	\$0
Period Total	\$12,000



Oil Sands - Pre Payout Project - End of Period Statement

Royalty Summary

PRE-6

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]

Operator ID: [ENTER Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Royalty Summary:

Month	Crown Royalty Share Payable				Total Payable (\$)	Total Royalty Paid (\$)
	Blend (\$)	Bitumen (\$)	SCO (\$)	Other (\$)		
January	\$1,895	\$473	\$0	\$0	\$2,368	\$123,459,158
February	\$2,306	\$560	\$0	\$0	\$2,866	\$2,866
March	\$1,524	\$353	\$0	\$0	\$1,877	\$1,877
April	\$1,629	\$387	\$0	\$0	\$2,016	\$2,017
May	\$2,337	\$577	\$0	\$0	\$2,914	\$2,914
June	\$3,146	\$707	\$0	\$0	\$3,853	\$3,854
July	\$2,963	\$735	\$0	\$0	\$3,698	\$3,699
August	\$2,954	\$736	\$0	\$0	\$3,690	\$3,691
September	\$2,963	\$736	\$0	\$0	\$3,698	\$3,699
October	\$2,845	\$715	\$0	\$0	\$3,560	\$3,561
November	\$2,880	\$721	\$0	\$0	\$3,601	\$3,602
December	\$2,895	\$724	\$0	\$0	\$3,619	\$3,620
Period Total	\$30,336	\$7,424	\$0	\$0	\$37,760	\$123,494,557

Payable / (Refund) Balance: (\$123,456,797)



Oil Sands - Pre Payout Project - End of Period Statement

Royalty Detail (Blended Bitumen) PRE-6a

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project
 Operator Name: [ENTER Name of Operator]
 Operator ID: [ENTER Operator ID]
 For the Period: YYYY MM DD to: YYYY MM DD

Blended Bitumen

Month	Sales Volume (m ³)	Production Volume (m ³)	Sales Revenue (\$)	Less: Handling Charges (- \$)	Crown Royalty Share				Royalty Paid (\$)	
					Unit Price (\$/m ³)	Volume (m ³)	Revenue (\$)	Less: Diluent Costs (- \$)		Payable (\$)
January	2,000.0	1,850.0	\$280,500	(\$6,610)	\$136.95	20.0	\$2,739	(\$844)	\$1,895	\$1,895
February	2,400.0	2,375.0	\$332,010	(\$7,715)	\$135.12	24.0	\$3,243	(\$937)	\$2,306	\$2,306
March	1,500.0	1,475.0	\$210,375	(\$5,533)	\$136.56	15.0	\$2,048	(\$525)	\$1,524	\$1,524
April	1,633.3	1,608.3	\$229,500	(\$5,356)	\$137.23	16.3	\$2,241	(\$612)	\$1,629	\$1,629
May	2,433.3	2,408.3	\$341,955	(\$7,814)	\$137.32	24.3	\$3,341	(\$1,005)	\$2,337	\$2,337
June	3,000.0	2,975.0	\$421,175	(\$10,800)	\$136.79	30.0	\$4,104	(\$958)	\$3,146	\$3,146
July	3,066.7	3,041.7	\$437,750	(\$11,100)	\$139.12	30.7	\$4,267	(\$1,304)	\$2,963	\$2,963
August	3,066.7	3,042.3	\$437,750	(\$11,100)	\$139.12	30.7	\$4,267	(\$1,312)	\$2,954	\$2,954
September	3,066.7	3,041.7	\$437,750	(\$11,100)	\$139.12	30.7	\$4,267	(\$1,304)	\$2,963	\$2,963
October	2,866.7	2,841.7	\$426,020	(\$11,100)	\$144.74	28.7	\$4,149	(\$1,304)	\$2,845	\$2,845
November	2,933.3	2,908.3	\$429,505	(\$11,100)	\$142.64	29.3	\$4,184	(\$1,304)	\$2,880	\$2,880
December	2,966.7	3,001.2	\$431,035	(\$11,100)	\$141.55	29.7	\$4,199	(\$1,304)	\$2,895	\$2,895
Period Total	30,933.4	30,568.5	4,415,325.0	(110,428)	\$139.17	309.3	\$43,049	(\$12,713)	\$30,336	\$30,336

Payable / (Refund) Balance: \$0



Oil Sands - Pre Payout Project - End of Period Statement

Royalty Detail (Bitumen) PRE-6b

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]

Operator ID: [ENTER Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Bitumen

Month	Sales Volume (m ³)	Production Volume (m ³)	Sales Revenue (\$)	Less: Handling Charges (- \$)	Crown Royalty Share			Royalty Paid (\$)
					Unit Price (\$/m ³)	Volume (m ³)	Payable (\$)	
January	1,000.0	1,050.0	\$49,500	(\$2,203)	\$47.30	10.0	\$473	\$473
February	1,200.0	1,250.0	\$58,590	(\$2,572)	\$46.68	12.0	\$560	\$560
March	750.0	800.0	\$37,125	(\$1,844)	\$47.04	7.5	\$353	\$353
April	816.7	866.7	\$40,500	(\$1,785)	\$47.40	8.2	\$387	\$387
May	1,216.7	1,266.7	\$60,345	(\$2,605)	\$47.46	12.2	\$577	\$577
June	1,500.0	1,550.0	\$74,325	(\$3,600)	\$47.15	15.0	\$707	\$707
July	1,533.3	1,488.3	\$77,245	(\$3,700)	\$47.97	15.3	\$735	\$735
August	1,533.3	1,490.3	\$77,250	(\$3,700)	\$47.97	15.3	\$736	\$736
September	1,533.3	1,489.2	\$77,250	(\$3,700)	\$47.97	15.3	\$736	\$736
October	1,433.3	1,388.3	\$75,180	(\$3,700)	\$49.87	14.3	\$715	\$715
November	1,466.7	1,421.7	\$75,795	(\$3,700)	\$49.15	14.7	\$721	\$721
December	1,483.3	1,438.3	\$76,065	(\$3,700)	\$48.79	14.8	\$724	\$724
Period Total	15,466.6	15,499.5	779,170	(36,809)	\$48.00	154.7	\$7,424	\$7,424

Payable / (Refund) Balance: \$0



Oil Sands - Pre Payout Project - End of Period Statement

Royalty Detail (Synthetic Crude Oil)

PRE-6c

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]

Operator ID: [ENTER Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Synthetic Crude Oil (SCO)

Month	Sales		Less: Handling Charges (\$)	Crown Royalty Share			Royalty Paid (\$)
	Volume (m ³)	Revenue (\$)		Unit Price (\$/m ³)	Volume (m ³)	Payable (\$)	
January	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
February	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
March	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
April	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
May	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
June	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
July	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
August	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
September	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
October	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
November	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
December	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0
Period Total	0.0	\$0	\$0	\$0.00	0.0	\$0	\$0

Payable / (Refund) Balance: _____ \$0



Oil Sands - Pre Payout Project - End of Period Statement

Royalty Detail (Other Oil Sand Products)

PRE-6d

OSR Project Number: OSR ### Project Name: ENTER Name assigned to Project

Operator Name: [ENTER Name of Operator]
 Operator ID: [ENTER Operator ID]
 For the Period: YYYY MM DD to: YYYY MM DD

Other - Specify Product: Product Name

Month	Sales		Less: Handling Charges (\$)	Crown Royalty Share			Total Royalty Paid (\$)
	Volume (m ³ or tonne)	Revenue (\$)		Unit Price (\$/m ³ or \$/tonne)	Volume (m ³ or tonne)	Payable (\$)	
January	0.0	\$0	(\$1.00)	\$0.00	0.0	\$0	\$1
February	0.0	\$0	(\$1.00)	\$0.00	0.0	\$0	\$0
March	0.0	\$0	(\$1.00)	\$0.00	0.0	\$0	\$0
April	0.0	\$0	(\$1.00)	\$0.00	0.0	\$0	\$1
May	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$0
June	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
July	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
August	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
September	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
October	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
November	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
December	0.0	\$0	\$1.00	\$0.00	0.0	\$0	\$1
Period Total	0.0	\$0	\$4.00	\$0.00	0.0	\$0	\$8

Product Name

Product Name

Payable / (Refund) Balance: (\$8)

Appendix G

G.Post-Payout - End-of-Period Statement Reporting Forms

- PST-1 Auditor's Letter Requirement
- PST-2 Royalty Payable
- PST-3 Royalty Calculations
- PST-4 Allowed Costs Summary
- PST-4a Allowed Cost Detail (supplement format a)
- PST-4b Allowed Cost Detail (supplement format b)
- PST-5 Other Net Proceeds
- PST-6 Return Allowance
- PST-7 Project Revenue
- PST-7a Revenue Detail (Blended Bitumen Sales)
- PST-7b Revenue Detail (Bitumen Sales)
- PST-7c Revenue Detail (Synthetic Crude Oil Sales, SCO)
- PST-7d Revenue Detail (Other Oil Sand Products Sales)
- PST-8 Carry Forward Amounts

Referenced from Section 6.2.2 in the Oil Sands Royalty Guidelines

Signed letter from the Auditing Firm indicating they are satisfied that the Operator has complied with the Oil Sands Royalty Regulation, 1997. Independent audited statements are required only if the Project has bitumen sales that average greater than 1,590 m³/day (10,000 bbls/day) during the Period.

If sales average less than 1,590 m³/day (10,000 bbls/ day), then end of period financial statements prepared by the Operator and signed by the Operator or the Operator's Representative.

This sheet is for your information, do not submit.



Oil Sands - Post Payout Project - End of Period Statement

Royalty Payable
PST-2

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Royalty Payable

Greater of
1% Gross Revenue Royalty [PST - 3]

or
25% Net Revenue Royalty \$7,056,475 [PST - 3]

Adjustments from Previous Period(s) \$0

Royalty Paid During the Period \$6,988,000

Royalty Payable (Refund) \$68,475

Section 29 (2)(a) of the Oil Sands Royalty Regulation, 1997 requires that the End of Period Statement be signed by the Operator of the Project or by the Operator's representative.



Oil Sands - Post Payout Project - End of Period Statement

Royalty Calculations

PST-3

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Royalty Based on Gross Revenue

Project Revenue from Bitumen, Blend SCO, and Other Oil Sands Products (all net of handling charges)	\$57,513,783	[PST - 7]
Less: Cost of Diluent Used	(\$15,404,200)	[PST - 4]
<hr/>		
Gross Revenue	\$42,109,583	
Royalty of 1% Gross Revenue	\$421,096	

Royalty Based on Net Revenue

Project Revenue	\$57,513,783	[PST - 7]
Less: Total Costs	(\$29,299,884)	[PST - 4]
Add: Allowable portion of Other Net Proceeds	\$12,000	[PST - 5]
Net Revenue (Net Loss)	<hr/> \$28,225,899	
Royalty of 25% Net Revenue	\$7,056,475	

Excess of Gross Revenue Royalty over Net Revenue Royalty [carried forward as an allowed cost of the next Period]



Oil Sands Post Payout Project - End of Period Statement

Allowed Costs Summary

PST-4

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Allowed Costs

Return Allowance on Previous Period's Net Loss	\$30,684	[PST - 6]
Net Loss Carried Forward from Previous Period	\$1,000,000	[from previous Period's PST-8]
Excess Gross Revenue Royalty Over Net Revenue Royalty Paid during Previous Period	\$0	[from previous Period's PST-8]
Operating	\$10,365,000	
Capital	\$2,500,000	
Diluent	\$15,404,200	
Total	\$29,299,884	



Oil Sands - Post Payout Project - End of Period Statement

Allowed Cost Details

PST - 4 Supp-a

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Operating Cost Details

Month	Staff	Supplies & Services	Repairs & Maintenance	Utilities	Fuel	Other	Total
January	\$375,000	\$190,833	\$149,750	\$70,087	\$74,096	\$8,325	\$868,091
February	\$386,123	\$189,547	\$148,954	\$69,871	\$73,858	\$8,268	\$876,621
March	\$369,045	\$187,526	\$147,985	\$66,457	\$73,103	\$8,459	\$852,575
April	\$375,078	\$188,987	\$168,512	\$68,957	\$75,184	\$8,359	\$885,077
May	\$372,896	\$192,351	\$159,255	\$71,578	\$74,358	\$8,459	\$878,897
June	\$377,891	\$187,458	\$155,877	\$70,259	\$75,895	\$8,247	\$875,627
July	\$381,897	\$194,127	\$150,459	\$69,875	\$63,523	\$8,115	\$867,996
August	\$375,149	\$190,752	\$145,023	\$68,569	\$62,335	\$8,357	\$850,185
September	\$377,584	\$189,741	\$146,257	\$70,589	\$64,172	\$8,168	\$856,511
October	\$376,582	\$192,341	\$147,541	\$70,015	\$64,650	\$8,195	\$859,324
November	\$374,394	\$186,594	\$144,052	\$69,783	\$64,466	\$8,349	\$847,638
December	\$367,361	\$199,743	\$133,335	\$71,930	\$65,390	\$8,699	\$846,458
Sub-total	\$4,509,000	\$2,290,000	\$1,797,000	\$837,970	\$831,030	\$100,000	\$10,365,000

Capital Cost Details

Month	Drilling & Completion	Production Equipment	New Facilities	Facility Improvements	Seismic	Other	Total
January	\$100,000	\$149,875	\$0	\$41,738	\$22,229	\$11,200	\$325,042
February	\$100,000	\$151,789	\$0	\$41,615	\$22,157	\$12,500	\$328,061
March	\$100,000	\$150,265	\$0	\$39,660	\$21,931	\$13,887	\$325,743
April	\$0	\$0	\$0	\$41,092	\$22,555	\$13,358	\$77,005
May	\$0	\$0	\$87,450	\$42,593	\$22,307	\$10,258	\$162,608
June	\$0	\$0	\$88,100	\$41,837	\$23,664	\$11,239	\$164,840
July	\$0	\$0	\$86,900	\$41,617	\$19,057	\$11,781	\$159,355
August	\$0	\$0	\$87,550	\$40,869	\$18,701	\$12,593	\$159,713
September	\$0	\$0	\$0	\$42,026	\$19,943	\$13,954	\$75,923
October	\$0	\$0	\$0	\$41,698	\$19,395	\$12,891	\$73,984
November	\$100,000	\$154,753	\$0	\$41,565	\$19,340	\$12,658	\$328,316
December	\$100,000	\$143,318	\$0	\$42,794	\$19,617	\$13,681	\$319,410
Sub-total	\$500,000	\$750,000	\$350,000	\$499,104	\$250,896	\$150,000	\$2,500,000

Diluent	\$15,404,200
Net Loss Carried Forward from Previous Period	\$1,000,000
Return Allowance on Previous Period's Net Loss	\$30,684
Excess Gross Revenue Royalty over Net Revenue Royalty Paid during Previous Period	\$0

Period Total \$29,299,884



Oil Sands - Post Payout Project - End of Period Statement

Allowed Cost Detail PST - 4 Supp-b

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]
 Operator ID: [Enter Operator ID]
 For the Period: YYYY MM DD to: YYYY MM DD

Operating Costs:

Staff	\$4,509,000	
Fuel	\$1,669,000	
Supplies	\$2,290,000	
Contracted Services	\$1,797,000	
Research	\$100,000	
		Total: \$10,365,000

Capital Costs:

Sustaining

Equipment	\$750,000	
Facility Rehab.	\$750,000	
		Total: \$1,500,000

Developmental

Drilling	\$500,000	
New Facilities	\$350,000	
Other	\$150,000	
		Total: \$1,000,000

Diluent \$15,404,200

Return Allowance on Previous Period's Net Loss \$30,684

Net Loss Carried Forward From Previous Period \$1,000,000

Excess Gross Revenue Royalty
Over Net Revenue Royalty Paid
during Previous Period \$0

Total Costs: \$29,299,884

OR Operating Costs:

Mining	\$4,509,000	
Extraction	\$1,669,000	
Upgrading	\$2,290,000	
Contracted Services	\$1,797,000	
Research	\$100,000	
		Total: \$10,365,000

Capital Costs:

Sustaining

Equipment	\$750,000	
Facility Rehab.	\$750,000	
		Total: \$1,500,000

Developmental

Drilling	\$500,000	
New Facilities	\$350,000	
Other	\$150,000	
		Total: \$1,000,000

Diluent \$15,404,200

Return Allowance on PreviousPeriod's Net Loss \$30,684

Net Loss Carried Forward From Previous Period \$1,000,000

Excess Gross Revenue Royalty
Over Net Revenue Royalty Paid
during Previous Period \$0

Total Costs: \$29,299,884



Oil Sands - Post Payout Project - End of Period Statement

Other Net Proceeds

PST - 5

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Other Net Proceeds

Unused Portion Carried Forward from Previous Period \$0 [from previous Period's PST-8]

Disposition of assets and non-oil sands' products \$0

Sale / Lease of Technology \$4,000

Insurance and Legal Settlements \$0

Custom Processing and Transportation Fees \$8,000

Processing of Project Owners' non-project substances \$0

Total \$12,000

Allowable Portion of Other Net Proceeds

Lesser of:
Other Net Proceeds \$12,000

or
Total Allowed Costs \$29,299,884 [PST - 4]

Excess of Other Net Proceeds over Total Allowed Costs [carried forward as an other net proceed for the next Period]



Oil Sands - Post Payout Project - End of Period Statement

Return Allowance
PST - 6

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Return Allowance

<u>Net Losses</u>		<u>Return Allowance Rate</u>	<u>Return Allowance Earned</u>	
Net Loss for Second Previous Period (i.e., XXXX)	\$0	7.31%	\$0	
Net Loss for Previous Period (i.e., XXXX-1)	\$1,000,000	6.12%	\$30,684	(An allowed cost for the current Period).
Net Loss for Current Period (i.e., XXXX)	\$0	6.39%	\$0	(An allowed cost for the next Period).



Oil Sands - Post Payout Project - End of Period Statement

Project Revenue

PST - 7

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Project Revenue

	Project Revenue (\$)	Less: Cost of Diluent (\$)	Gross Revenue (\$)
January	\$4,499,650	(\$1,203,800)	\$3,295,850
February	\$4,568,400	(\$1,224,600)	\$3,343,800
March	\$4,667,425	(\$1,249,750)	\$3,417,675
April	\$4,833,137	(\$1,292,800)	\$3,540,337
May	\$4,852,850	(\$1,299,000)	\$3,553,850
June	\$4,798,962	(\$1,286,200)	\$3,512,762
July	\$4,926,098	(\$1,318,600)	\$3,607,498
August	\$4,827,026	(\$1,294,450)	\$3,532,576
September	\$4,796,786	(\$1,285,700)	\$3,511,086
October	\$4,906,553	(\$1,314,500)	\$3,592,053
November	\$4,936,896	(\$1,322,300)	\$3,614,596
December	\$4,900,000	(\$1,312,500)	\$3,587,500
Period Total	\$57,513,783	(\$15,404,200)	\$42,109,583



Oil Sands - Post Payout Project - End of Period Statement

Revenue Detail (Blended Bitumen Sales)

PST - 7a

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Blended Bitumen

	Blend Sales Volume (m ³)	Blend Sales Revenue (\$)	Less: Blend Handling Charges (\$)	Blend Unit Price (\$/m ³)	Blend Sales Net Revenue (goes to Project Revenue) (\$)	Less: Cost of Diluent (\$)	Blend Sales Contribution to Gross Revenue (\$)
January	42,100.0	\$4,815,200	(\$336,800)	\$106.38	\$4,478,400	(\$1,203,800)	\$3,274,600
February	43,700.0	\$4,898,400	(\$349,600)	\$104.09	\$4,548,800	(\$1,224,600)	\$3,324,200
March	44,000.0	\$4,999,000	(\$352,000)	\$105.61	\$4,647,000	(\$1,249,750)	\$3,397,250
April	45,100.0	\$5,171,200	(\$360,800)	\$106.66	\$4,810,400	(\$1,292,800)	\$3,517,600
May	45,500.0	\$5,196,000	(\$364,000)	\$106.20	\$4,832,000	(\$1,299,000)	\$3,533,000
June	45,900.0	\$5,144,800	(\$367,200)	\$104.09	\$4,777,600	(\$1,286,200)	\$3,491,400
July	46,200.0	\$5,274,400	(\$369,600)	\$106.16	\$4,904,800	(\$1,318,600)	\$3,586,200
August	46,400.0	\$5,177,800	(\$371,200)	\$103.59	\$4,806,600	(\$1,294,450)	\$3,512,150
September	45,900.0	\$5,142,800	(\$367,200)	\$104.04	\$4,775,600	(\$1,285,700)	\$3,489,900
October	46,500.0	\$5,258,000	(\$372,000)	\$105.08	\$4,886,000	(\$1,314,500)	\$3,571,500
November	46,600.0	\$5,289,200	(\$372,800)	\$105.50	\$4,916,400	(\$1,322,300)	\$3,594,100
December	46,500.0	\$5,250,000	(\$372,000)	\$104.90	\$4,878,000	(\$1,312,500)	\$3,565,500
Period Total	544,400.0	\$61,616,800	(\$4,355,200)	\$105.18	\$57,261,600	(\$15,404,200)	\$41,857,400



Oil Sands - Post Payout Project - End of Period Statement

Revenue Detail (Bitumen Sales)

PST - 7b

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Bitumen

	Bitumen Sales Volume (m ³)	Bitumen Sales Revenue (\$)	Less: Bitumen Handling Charges (\$)	Bitumen Unit Price (\$/m ³)	** Bitumen Sales Net Revenue (\$)
January	0.0	\$0	\$0	\$0.00	\$0
February	0.0	\$0	\$0	\$0.00	\$0
March	0.0	\$0	\$0	\$0.00	\$0
April	0.0	\$0	\$0	\$0.00	\$0
May	0.0	\$0	\$0	\$0.00	\$0
June	0.0	\$0	\$0	\$0.00	\$0
July	0.0	\$0	\$0	\$0.00	\$0
August	0.0	\$0	\$0	\$0.00	\$0
September	0.0	\$0	\$0	\$0.00	\$0
October	0.0	\$0	\$0	\$0.00	\$0
November	0.0	\$0	\$0	\$0.00	\$0
December	0.0	\$0	\$0	\$0.00	\$0
Period Total	0.0	\$0	\$0	\$0.00	\$0

** Bitumen Sales Net Revenue contributes to both Project Revenue and Gross Revenue totals.



Oil Sands - Post Payout Project - End of Period Statement

Revenue Detail (SCO Sales) PST - 7c

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Synthetic Crude Oil

	SCO Sales Volume (m ³)	SCO Sales Revenue (\$)	Less: SCO Handling Charges (\$)	SCO Unit Price (\$/m ³)	** SCO Sales Net Revenue (\$)
January	0.0	\$0	\$0	\$0.00	\$0
February	0.0	\$0	\$0	\$0.00	\$0
March	0.0	\$0	\$0	\$0.00	\$0
April	0.0	\$0	\$0	\$0.00	\$0
May	0.0	\$0	\$0	\$0.00	\$0
June	0.0	\$0	\$0	\$0.00	\$0
July	0.0	\$0	\$0	\$0.00	\$0
August	0.0	\$0	\$0	\$0.00	\$0
September	0.0	\$0	\$0	\$0.00	\$0
October	0.0	\$0	\$0	\$0.00	\$0
November	0.0	\$0	\$0	\$0.00	\$0
December	0.0	\$0	\$0	\$0.00	\$0
Period Total	0.0	\$0	\$0	\$0.00	\$0

** SCO Sales Net Revenue contributes to both Project Revenue and Gross Revenue totals.



Oil Sands Post Payout Project - End of Period Statement

Revenue Detail (Other Oil Sand Product Sales) PST - 7d

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD to: YYYY MM DD

Other Oil Sand Products (Specify Product)

	Other Sales Quantity (m ³ or tonne)	Sales Revenue (\$)	Less: Handling Charges (\$)	Unit Price (\$/m ³ or tonne)	** Sales Net Revenue (\$)
January	3,125.0	\$31,250	(\$10,000)	\$6.80	\$21,250
February	2,960.0	\$29,600	(\$10,000)	\$6.62	\$19,600
March	3,042.5	\$30,425	(\$10,000)	\$6.71	\$20,425
April	3,273.7	\$32,737	(\$10,000)	\$6.95	\$22,737
May	3,085.0	\$30,850	(\$10,000)	\$6.76	\$20,850
June	3,136.2	\$31,362	(\$10,000)	\$6.81	\$21,362
July	3,129.8	\$31,298	(\$10,000)	\$6.80	\$21,298
August	3,042.6	\$30,426	(\$10,000)	\$6.71	\$20,426
September	3,118.6	\$31,186	(\$10,000)	\$6.79	\$21,186
October	3,055.3	\$30,553	(\$10,000)	\$6.73	\$20,553
November	3,049.6	\$30,496	(\$10,000)	\$6.72	\$20,496
December	3,200.0	\$32,000	(\$10,000)	\$6.88	\$22,000
Period Total	37,218.3	\$372,183	(\$120,000)	\$6.78	\$252,183

** Other Oil Sands Product Sales Net Revenue contributes to both Project Revenue and Gross Revenue totals.



Oil Sands - Post Payout Project - End of Period Statement

Carry Forward Amounts

PST - 8

OSR Project Number: OSR ### Project Name: Enter Name assigned to Project

Operator Name: [Enter Name of Operator]

Operator ID: [Enter Operator ID]

For the Period: YYYY MM DD

to: YYYY MM DD

Carry Forward Amounts to Next Period

Net Loss During Period	\$0	[PST - 6]	(to be carried forward to next period's Allowed Costs)
Return Allowance for Current Period's Net Loss	\$0	[PST - 6]	(to be carried forward to next period's Allowed Costs)
Excess of Gross Revenue Royalty over Net Revenue Royalty	\$0	[PST - 3]	(to be carried forward to next period's Allowed Costs)
Excess of Other Net Proceeds over Total Allowed Costs	\$0	[PST - 5]	(to be carried forward to next period's Other Net Proceeds)

Appendix F

F. Good Faith Estimates (GFEs)

- Sample Calculations
- End-of-Period Statement Reporting forms (PSTs)

Referenced from Section 6.2.1 in the Oil Sands Royalty Guidelines

SAMPLE CROWN ROYALTY CALCULATIONS

Monthly Installment of Royalty =

$$(0.25) * (\text{Estimated Annual Net Revenue} * \frac{(\text{Monthly Gross Revenue to Date})}{(\text{Royalties Actually Paid to Date})} - (\text{Estimated Annual Gross Revenue}))$$

OR

$$(0.01) * (\text{Annual Gross Revenue}) - (\text{Royalty Actually Paid to Date})$$

BASED ON THE GREATER ANNUAL TOTAL OF 1% GROSS REVENUES OR 25% NET REVENUES

$$\Rightarrow (0.25) * (168,834,027) - \frac{(35,623,200 + 23,786,521 + 18,678,825 + 18,880,7 - 10,099,310)}{326,359,027}$$

$$\Rightarrow (42,208,057) * (0.297125 - 10,099,310)$$

$$\Rightarrow 12,541,189 - 10,099,310$$

$$\Rightarrow 2,441,879 \quad \Rightarrow \text{April's Installment of the Royalty Payment}$$

Cost of Diluent =

$$(\text{Opening Inventory} + \text{Purchases}) * (\text{Weighted Average Cost})$$

$$\text{Opening inventory: } 19,000\text{m}^3 @ \$190/\text{m}^3 = 3,610,000$$

$$\text{Purchases in Month: } 35,190\text{m}^3 @ \$191/\text{m}^3 = 6,721,290 \quad \text{Note: Average Cost} = (\$935/\text{m}^3)/5 = \$187.00/\text{m}^3$$

$$30,200\text{m}^3 @ \$187/\text{m}^3 = 5,647,400$$

$$19,000\text{m}^3 @ \$188/\text{m}^3 = 3,572,000$$

$$\underline{5,200\text{m}^3 @ \$179/\text{m}^3 = 930,800}$$

$$108,590\text{m}^3 \quad 20,481,490$$

$$\Rightarrow \text{Weighted Average Cost} = \$188.61/\text{m}^3$$

Project used 93,795m³ which at \$188.61/m³ results in a cost of \$17,690,674.

Blended Bitumen Unit Price Calculation =

$$\frac{(\text{Blended Bitumen Revenue}) - (\text{Handling Charges})}{(\text{Quantity})}$$

$$\Rightarrow \frac{(36,027,000) - (5,825)}{(356,503)}$$

$$\Rightarrow \frac{(36,021,175)}{(356,503)} \quad \Rightarrow \$101.04/\text{m}^3$$

April Project Revenue =

$$(\text{Oil Sands Product Quantity}) * (\text{Unit Price})$$

$$\Rightarrow (356,503) * (101.04) + (10,000) * (55.00)$$

$$\Rightarrow 36,571,063 \quad \text{Note: Rounding adjustments cause this figure to be slightly lower than the 36,571,175 that appears on the form.}$$

April Gross Revenue =

$$(\text{Project Revenue} - \text{Cost of Diluent})$$

$$\Rightarrow (36,571,175) - (17,690,400)$$

$$\Rightarrow 18,880,775$$

April Net Revenue =

$$(\text{Project Revenue}) - (\text{Allowed Costs} - \text{Other Net Proceeds})$$

$$\Rightarrow (36,571,175) - (35,036,400 - 350,000)$$

$$\Rightarrow 1,884,775$$

POST - PAYOUT -- GOOD FAITH ESTIMATE (ANNUAL ROYALTY ESTIMATE)

GFE - 1

Project: **OSR Approval Number:**

Operator:

Date/Period:



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Indicate Estimate or Actual for Month	(Act)	(Act)	(Act)	(Act)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	(Est)	
PRODUCTION AND SALES DATA													
Total Crude Bitumen Production (monthly m ³)	304,294	278,490	260,083	262,708	278,330	309,690	360,152	361,565	321,552	307,458	309,744	323,119	3,677,185
Crude Bitumen Net Price	\$115.26	\$83.44	\$69.70	\$69.78	\$87.60	\$87.62	\$87.65	\$87.65	\$87.44	\$87.43	\$87.43	\$87.07	---
Crude Bitumen Sales (m ³)	0	0	0	0	0	0	0	0	0	0	0	0	0
Crude Bitumen Unit Price (\$/m ³)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	---
Blended Bitumen Sales (m ³)	423,854	390,984	364,511	356,503	380,753	423,653	492,684	494,618	439,880	420,599	423,727	442,024	5,053,790
Diluent Volume Included in Sales (m ³)	119,550	112,494	104,428	93,795	102,423	113,963	132,532	133,053	118,328	113,141	113,983	118,905	1,376,595
Blended Bitumen Unit Price (\$/m ³)	\$145.90	\$118.29	\$104.76	\$101.04	\$118.33	\$118.33	\$118.33	\$118.33	\$118.33	\$118.33	\$118.33	\$118.06	---
SCO Sales (m ³)	0	0	0	0	0	0	0	0	0	0	0	0	0
SCO Unit Price (\$/m ³)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	---
Total Other Oil Sands Products (m ³ or tonnes)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	120,000
Product Unit Price (\$/m ³ or \$/tonne)	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	---
REVENUE													
Crude Bitumen Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less: Bitumen handling charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Blended Bitumen Revenue	\$61,851,000	\$46,257,000	\$38,193,600	\$36,027,000	\$45,061,800	\$50,139,000	\$58,308,600	\$58,537,800	\$52,059,600	\$49,778,000	\$50,147,000	\$52,193,000	\$598,553,400
Less: Blend handling charges	(\$10,000)	(\$7,479)	(\$6,175)	(\$5,825)	(\$7,286)	(\$8,106)	(\$9,427)	(\$9,464)	(\$8,417)	(\$8,048)	(\$8,108)	(\$8,439)	(\$96,773)
SCO Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less: SCO handling charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Oil Sands Products' Proceeds	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$6,000,000
Less: Handling charges	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$600,000
Project Revenue (use to calculate Net Revenue)	\$62,391,000	\$46,799,521	\$38,737,425	\$36,571,175	\$45,604,514	\$50,680,894	\$58,849,173	\$59,078,336	\$52,601,183	\$50,319,952	\$50,688,892	\$52,734,561	\$605,056,627
Diluent Price (\$/m ³)	\$223.90	\$204.57	\$192.08	\$188.61	\$201.83	\$201.78	\$201.70	\$201.70	\$202.26	\$202.31	\$202.30	\$202.26	
Less: Cost of Diluent Used	(\$26,767,800)	(\$23,013,000)	(\$20,058,600)	(\$17,690,400)	(\$20,672,400)	(\$22,995,000)	(\$26,731,800)	(\$26,836,800)	(\$23,933,400)	(\$22,889,400)	(\$23,059,200)	(\$24,049,800)	(\$278,697,600)
Gross Revenue (do not use to calculate Net Revenue)	\$35,623,200	\$23,786,521	\$18,678,825	\$18,880,775	\$24,932,114	\$27,685,894	\$32,117,373	\$32,241,536	\$28,667,783	\$27,430,552	\$27,629,692	\$28,684,761	\$326,359,027
ALLOWED COSTS													
Plant Operations (excludes cost of diluent)	\$65,348,000	\$9,747,000	\$13,346,000	\$16,346,000	\$9,847,000	\$10,848,000	\$12,900,000	\$12,450,000	\$10,849,000	\$9,348,000	\$9,348,000	\$9,348,000	\$189,725,000
Diluent	\$26,767,800	\$23,013,000	\$20,058,600	\$17,690,400	\$20,672,400	\$22,995,000	\$26,731,800	\$26,836,800	\$23,933,400	\$22,889,400	\$23,059,200	\$24,049,800	\$278,697,600
Capital	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$12,000,000
Period Costs	\$93,115,800	\$33,760,000	\$34,404,600	\$35,036,400	\$31,519,400	\$34,843,000	\$40,631,800	\$40,286,800	\$35,782,400	\$33,237,400	\$33,407,200	\$34,397,800	\$480,422,600
Previous Period's Net Loss	→	→	→	→	→	→	→	→	→	→	→	→	\$0
Total Allowed Costs													\$480,422,600
OTHER NET PROCEEDS													
Carry forward amount	\$40,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000,000
Earned	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$4,200,000
Total Other Net Proceeds	\$40,350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$44,200,000
Allowable Revenue from Other Net Proceeds	\$40,350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$44,200,000
Excess of Other Net Proceeds over Allowed Costs	→	→	→	→	→	→	→	→	→	→	→	→	\$0
NET REVENUE / (NET LOSS - CARRY FORWARD)													
Crown Royalty (25% Net Revenue)	→	→	→	→	→	→	→	→	→	→	→	→	\$42,208,507
Crown Royalty (1% Gross Revenue)	→	→	→	→	→	→	→	→	→	→	→	→	\$3,263,590
ROYALTY PAYMENT (for the month)	\$4,607,202	\$3,076,347	\$2,415,761	\$2,441,879	\$3,224,508	\$3,580,659	\$4,153,788	\$4,169,847	\$3,707,648	\$3,547,635	\$3,573,390	\$3,709,844	\$42,208,507
Cumulative Actual Royalty Paid	\$4,607,202	\$7,683,549	\$10,099,310	\$12,541,189	\$15,765,697	\$19,346,356	\$23,500,144	\$27,669,991	\$31,377,638	\$34,925,273	\$38,498,663	\$42,208,507	\$42,208,507

Appendix H

H. Operator's Forecast

- Operators Forecast Report

Referenced from Section 6.3 in the Oil Sands Royalty Guidelines

**Sample Format for Operator's Forecast Report
Oil Sands Royalty Regulation, 1997 - Section 27**

		Units ¹	Current Year ²	Forecast Year 1	Forecast Year 2	Forecast Year 3	Forecast Year 4
Opening Balance³		\$000					
Sales Volumes⁴	Product 1	API Sulphur % m ³ /year					
	Product 2	m ³ /year					
	Product 3	m ³ /year					
	Product 4	m ³ /year					
Quality Differential⁵	Product 1	Benchmark Used \$/m ³					
	Product 2	\$/m ³					
	Product 3	\$/m ³					
	Product 4	\$/m ³					
Handling Charges⁶	Product 1	To: \$/m ³					
	Product 2	\$/m ³					
	Product 3	\$/m ³					
	Product 4	\$/m ³					
Other Product Revenues⁷		\$000					
Natural Gas Volumes Used⁸		m ³ /year					
Diluent Volumes Used⁹		m ³ /year					
Allowed Costs¹⁰	Operating Costs	\$000					
	Capital Costs:	\$000					
		\$000					
Other Net Proceeds¹¹		\$000					
Forecast of Project Payout Date¹²							

Appendix I

I. Abbreviations Used in Guideline

AEUB	Alberta Energy and Utilities Board
AFEs	Authorizations of Expenditure
ATC	Athabasca Tribal Council (ATC)
CEMA	Cumulative Effects Management Association
CHP	Combined Heat and Power
COS	Cost of Service
DSU	Drilling Spacing Unit
Eff	Efficiency
FCP	Fuel Charged to Power
FCS	Fuel Charged to Steam
FMV	Fair Market Value
GAAP	Generally Accepted Accounting Principles
GT	Gas Turbine
HRSG	Heat Recovery Steam Generator
LICA	Lakeland Industry and Community Association
LTBR	Long-Term Bond Rate
MRC	Monthly Royalty Calculation
NAL	Non-Arms Length
NPV	Net Present Value
OSR	Oil Sands Royalty
OTSG	Once Through Steam Generators
PNCB	Prior Net Cumulative Balance
RORC	Rate of Return On Capital
SCO	Synthetic Crude Oil
TAN	Total Acid Number

Appendix J

J. Contact Information

Mailing Address (Edmonton)

Oil Sands Development
Alberta Department of Energy
North Petroleum Plaza
9945-108 St
Edmonton, Alberta Canada
T5K 2G6

Mailing Address (Calgary)

Oil Sands Development
Alberta Department of Energy
300, 801 - 6th Avenue SW
Calgary, Alberta Canada
T2P 3W2

Receptionist: 9945-108 St. / 7th Floor NPP

Couriers: 9915-108 St. / Main Floor SPP

For more information about this document and about Alberta's oil sands royalty regime, please contact the following Department of Energy staff:

Requesting an Advance Ruling
Business Unit Leader, Oil Sands Development
Phone: 780 644-4771

Submitting a Project Application
Director of Operational Policy, Oil Sands Development
Colin Pate
Phone: 780 427-6513
Email: colin.pate@gov.ab.ca

Submission of Forecasts
Director of Evaluations, Oil Sands Development
Larry Ziegenhagel
Phone: 780 427-6384
Email: larry.ziegenhagel@gov.ab.ca

Requesting an Appeal

Director of Dispute Resolution, Legal Services

Mineral Development and Strategic Resources Division, Department of Energy

11th Floor • North Petroleum Plaza

9945 - 108th Street, Edmonton, Alberta T5K 2G6

Don Petruk

Phone: 780 427-6397

Email: don.petruk@gov.ab.ca

Revenue Audit Inquiries

Audit Manager of the Oil Sands Section, Compliance and Assurance Branch,
Organizational Effectiveness Business Unit

Mineral Development and Strategic Resources Division, Department of Energy

AMEC Place

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[Email: noelle.winter@gov.ab.ca](mailto:noelle.winter@gov.ab.ca)

Brenda Lanuk

Telephone: 780 422 5568

[Email: brenda.lanuk@gov.ab.ca](mailto:brenda.lanuk@gov.ab.ca)

Technical Inquiries

Ken Sparks – Engineering Manager

Telephone: 780 422 0686

[Email: ken.sparks@gov.ab.ca](mailto:ken.sparks@gov.ab.ca)

Supplies Statutes & Regulations

Queen's Printer Bookstore

602 620 – 7 Avenue SW

Calgary, Alberta T2P 0Y8

Telephone: 403 297-7157

Or

Queen's Printer Bookstore

10611 – 98 Avenue

Edmonton, Alberta T5K 2P7

Telephone: 780 427-4952

Fax: 780 452-0668

Also available on-line at: <http://www.qp.gov.ab.ca>

CIBC Rapidtrans (royalty payment) deposit slips

Alberta Department of Energy

Calgary Information Centre

300, 801 - 6th Avenue SW

Calgary, Alberta T2P 3W2

Telephone: 403 297-8955

Fax: 403 297-8954

Appendix K

K. List of Figures

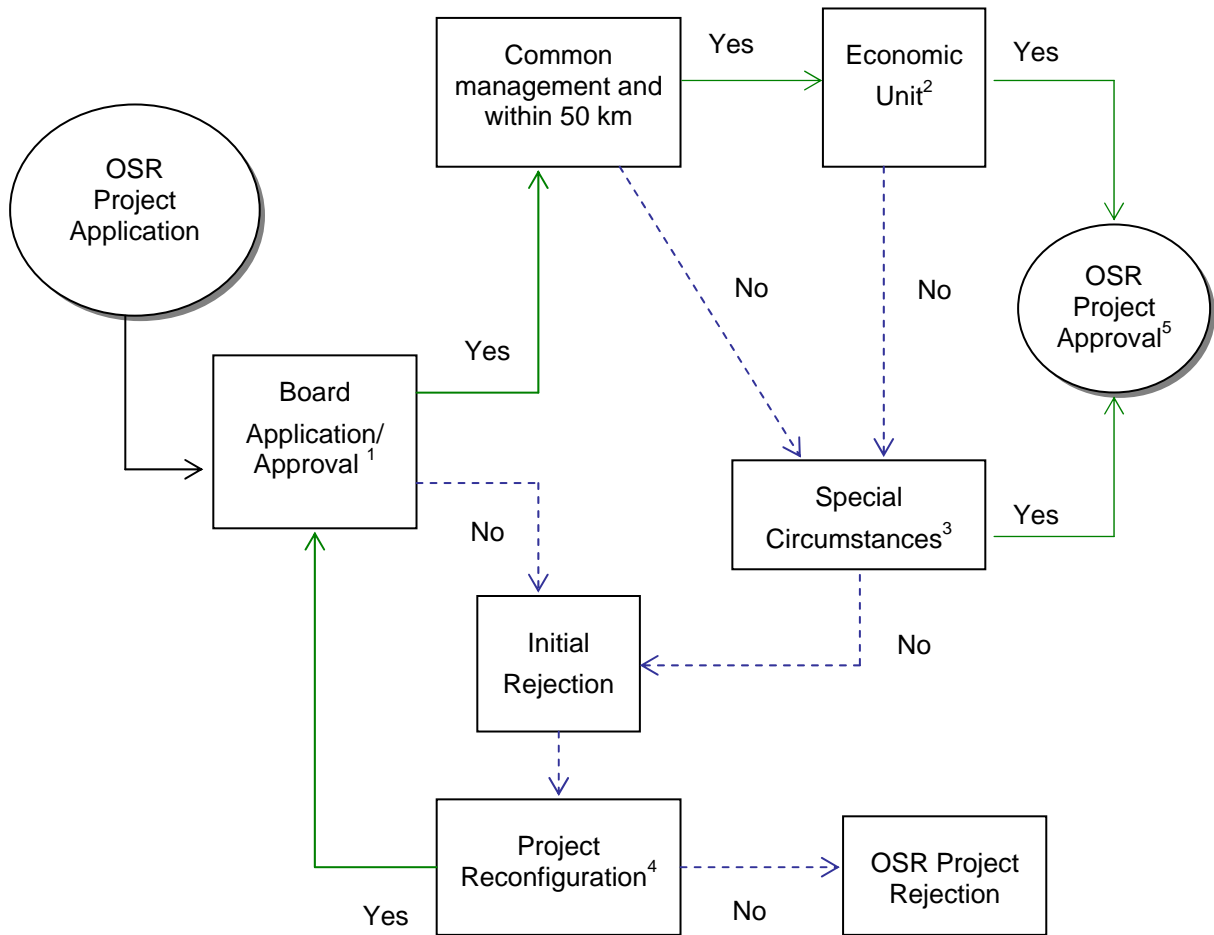
This appendix is provided to offer a quick reference to the figures in the Guidelines. Specific information on any of these figures and/or the rules governing them may be found in the Guidelines. References are made to the appropriate section in the guidelines.

List of Figures

- Figure 1: The approval process for oil sands royalty projects
- Figure 2: An oil sands royalty project with no processing facilities
- Figure 3: An oil sands royalty project with jointly owned facilities
- Figure 4: Two projects with joint ownership of processing facilities
- Figure 5: An oil sands royalty project with processing facilities that processes the output (production) from another project
- Figure 6: Calculating line fill costs
- Figure 7: Calculating the toll adjustment factor when a pipeline is sold
- Figure 8: Allowed costs for non-arm's-length cogeneration
- Figure 9: Approving and auditing research projects
- Figure 10: The information required for oil sands royalty payments.
- Figure 11: Cost rules for non-arm's-length assets

Figure 1: The approval process for oil sands royalty projects

[For details, see Guidelines section 3.3.2, "Making an Application"]



Notes:

¹All project components require Board approval, and must include a scheme or operation approved under the Oil Sands Conservation Act, in order to receive OSR project approval. The applicant may apply for the OSR and Board approvals concurrently.

²Proposed project boundaries and facilities must be justified for economic reasons. If any aspect of the proposed project definition does not materially benefit the project's profitability, the Department will not approve that project definition. The Department will also consider the Crown's royalty share. If the Department determines that any aspect of the proposed project definition results in a shift of the Crown's share of project revenue to the project owner(s) and away from the Crown, the Department will not approve that application until it is amended to protect the Crown's interest.

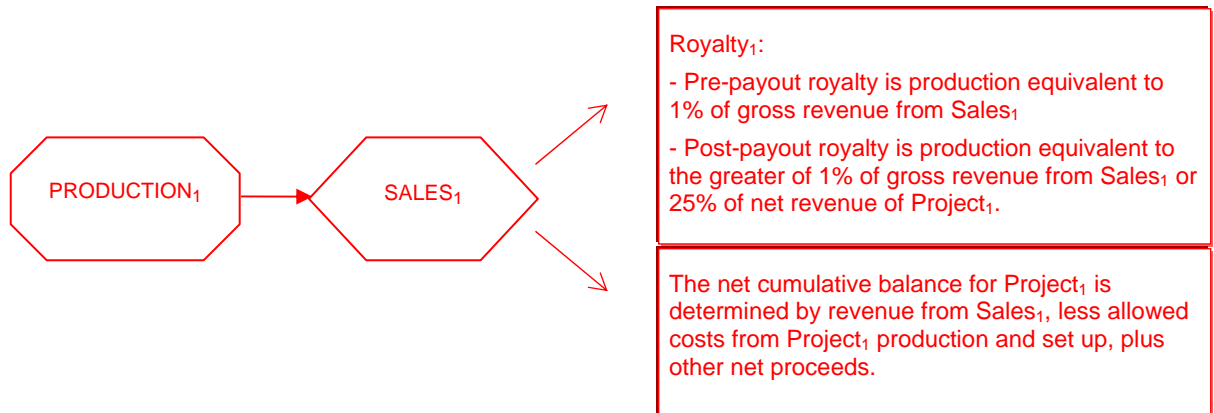
³The Department will consider special or unforeseen circumstances that may justify project approval. Such circumstances will be reviewed on a case-by-case basis, where every case is considered on its own merits. These Guidelines provide direction, but are not intended to replace the requirement for case-by-case consideration.

⁴If a request for project approval is rejected at any level, the applicant must restructure the proposal in order for the project to be reconsidered.

⁵Project approval may contain conditions such as dealing with measurement of costs/revenues, non-arm's length fees, etc.

Figure 2: An oil sands royalty project with no processing facilities

[For details, see Guidelines section 4.6.1, "An OSR Project that Produces Crude Bitumen"]

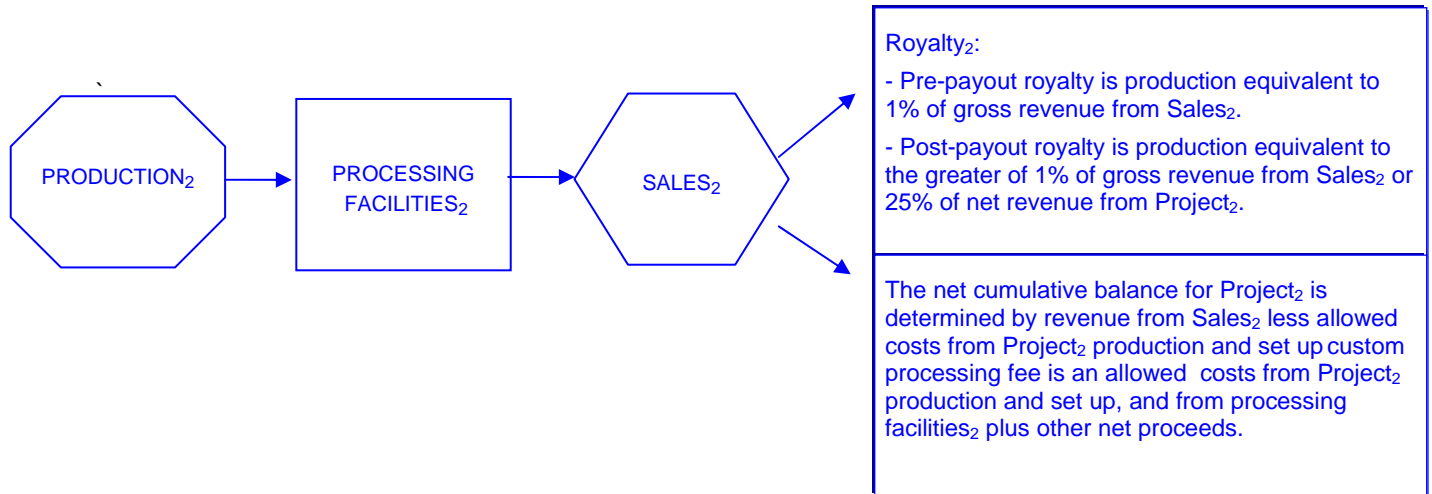


Sales₁ is the sale of all oil sands products obtained from oil sands rights included in the project.

Net revenue from Sales₁ is determined by revenue from Sales₁ less allowed costs from Project₁ production. In this example, the project either sells raw bitumen or cleans the bitumen at processing facilities outside the project. If raw bitumen is sold, royalty is calculated based on the Department's determination of revenue that could be obtained from clean bitumen and the bitumen cleaning costs may be deducted. If a project has other net proceeds, these are deducted from allowed costs when determining net revenue. If the processing plant is outside the project, the revenue is based on clean bitumen sales. The amount allowed for cleaning costs depends on whether the processing facility is at arm's length or non-arm's length, and is an allowed cost rather than **unit price** deduction.

Figure 3: An oil sands royalty project with processing facilities

[For details, see Guidelines section 4.6.2, "An OSR Project with Processing Facilities"]

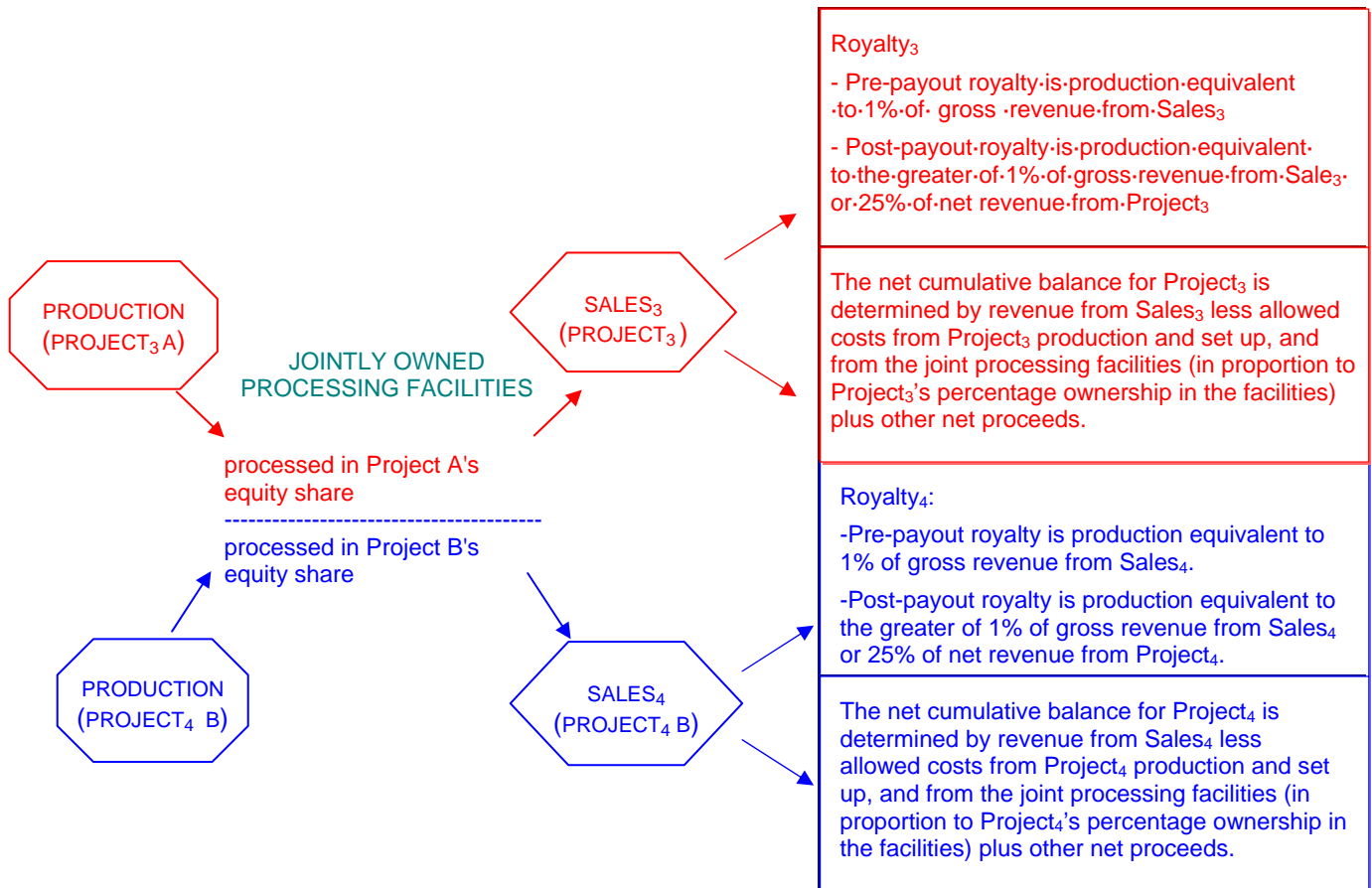


Sales₂ is the sale of all oil sands products obtained from oil sands rights included in the project. The royalty calculation point is at the outlet of the processing facilities₂.

Net revenue from Sales₂ is determined by revenue from Sales₂ less costs from Project₂ production and from processing facilities₂. If a project has other net proceeds, these are deducted from allowed costs when determining net revenue.

Figure 4: Two projects with joint ownership of processing facilities

[For details, see Guidelines section 4.6.3, "OSR Project with Jointly Owned Facilities"]



Sales₃ and Sales₄ is the sale of all oil sands products obtained from oil sands rights included in the projects. The royalty calculation point is at the outlet of the joint processing facility.

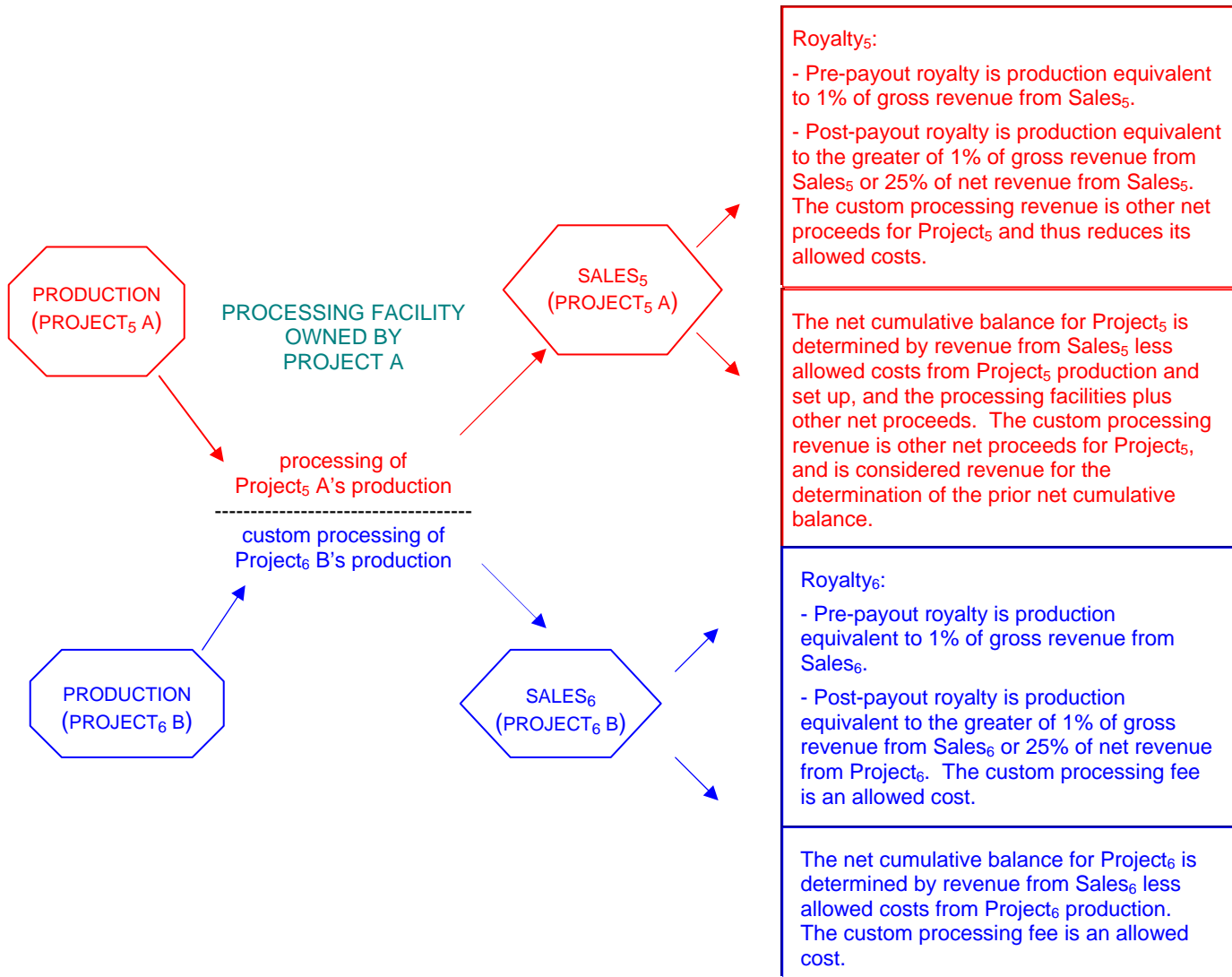
Net revenue for Project₃ is determined by revenue from Sales₃, less allowed costs from Project₃ production and from the joint processing facilities (in proportion to Project₃'s percentage ownership in the facilities). If a project has other net proceeds, these are deducted from allowed costs when determining net revenue. Net revenue for Project₄ is determined in the same way as for Project₃.

NOTE: If a processing plant is owned jointly by project owners and/or non-project owners, the processing done for each project is assumed to be in proportion to each project's ownership in the joint processing facilities (i.e., if ownership is 50/50, processing is assumed to be 50/50). If the processing is not in the same proportion as the ownership, a cost equalization payment is made to account for the difference. This cost equalization payment is intended to ensure one of the joint facility owner(s) is not covering costs for the other joint facility owner(s) for the determination of royalty.

The cost equalization payment is treated as custom processing (see Figure 5). Where the processing facilities are owned in whole or in part by a participant in the project, or an affiliate of a participant on a non-arm's length basis, and the facility is not included in the project, custom processing of project substances in the facility would be considered a basic service.

Figure 5: An oil sands royalty project with processing facilities that processes the output (production) from another project

[For details, see Guidelines section 4.6.4, "An OSR Project that Provides Custom Processing Services"]



Sales₅ and Sales₆ are the sale of all oil sands products obtained from oil sands rights included in the projects. The royalty calculation point is the outlet of the processing facilities.

The costs of the processing facilities are an allowed cost for Project₅, while the revenue from the custom processing fee is other net proceeds for Project₅ and an allowed cost for Project₆. Where the processing facilities are owned in whole or in part by one or more participants in the project or affiliates of the participants on a non-arm's length basis, and the facility is not included in the project, the use of the facility would be considered a basic service.

Net revenue for Project₅ is determined by revenue from Sales₅ less costs from Project₅ production and the processing facilities. The custom-processing revenue is other net proceeds, which reduces allowed costs. Net revenue for Project₆ is determined by revenue from Sales₆ less allowed costs from Project₆ production, including the custom-processing fee.

Figure 6: Calculating line fill costs

[For details, see Guidelines section 5.2.2, "Line Fill Costs"]

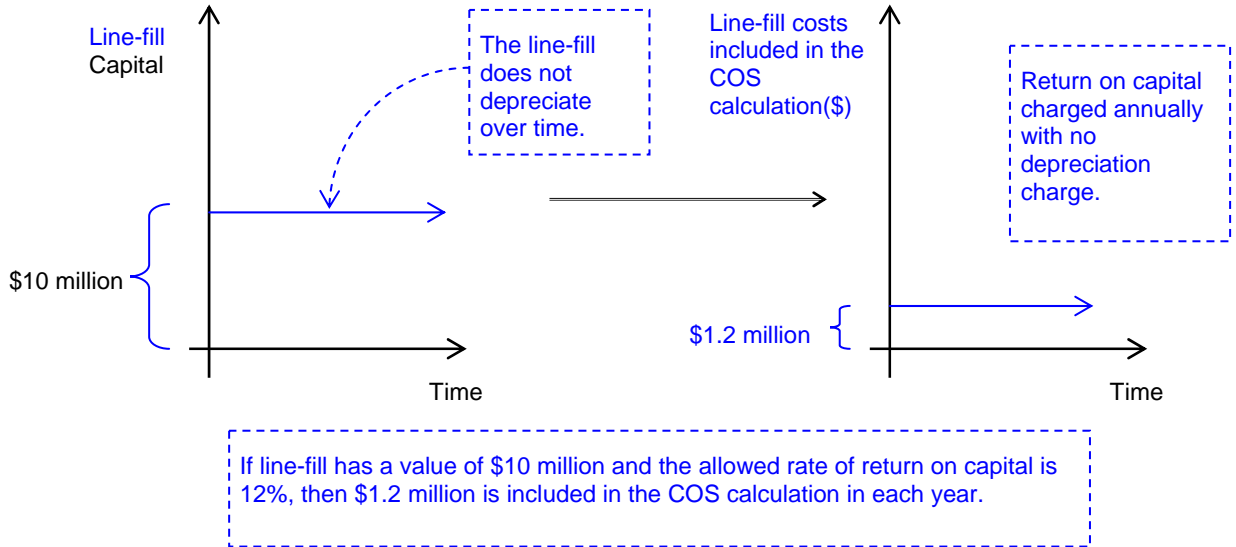


Figure 7: Calculating the toll adjustment factor when a pipeline is sold

[For details, see Guidelines section 5.2.3 "Cost Rules for Sales of Pipelines"]

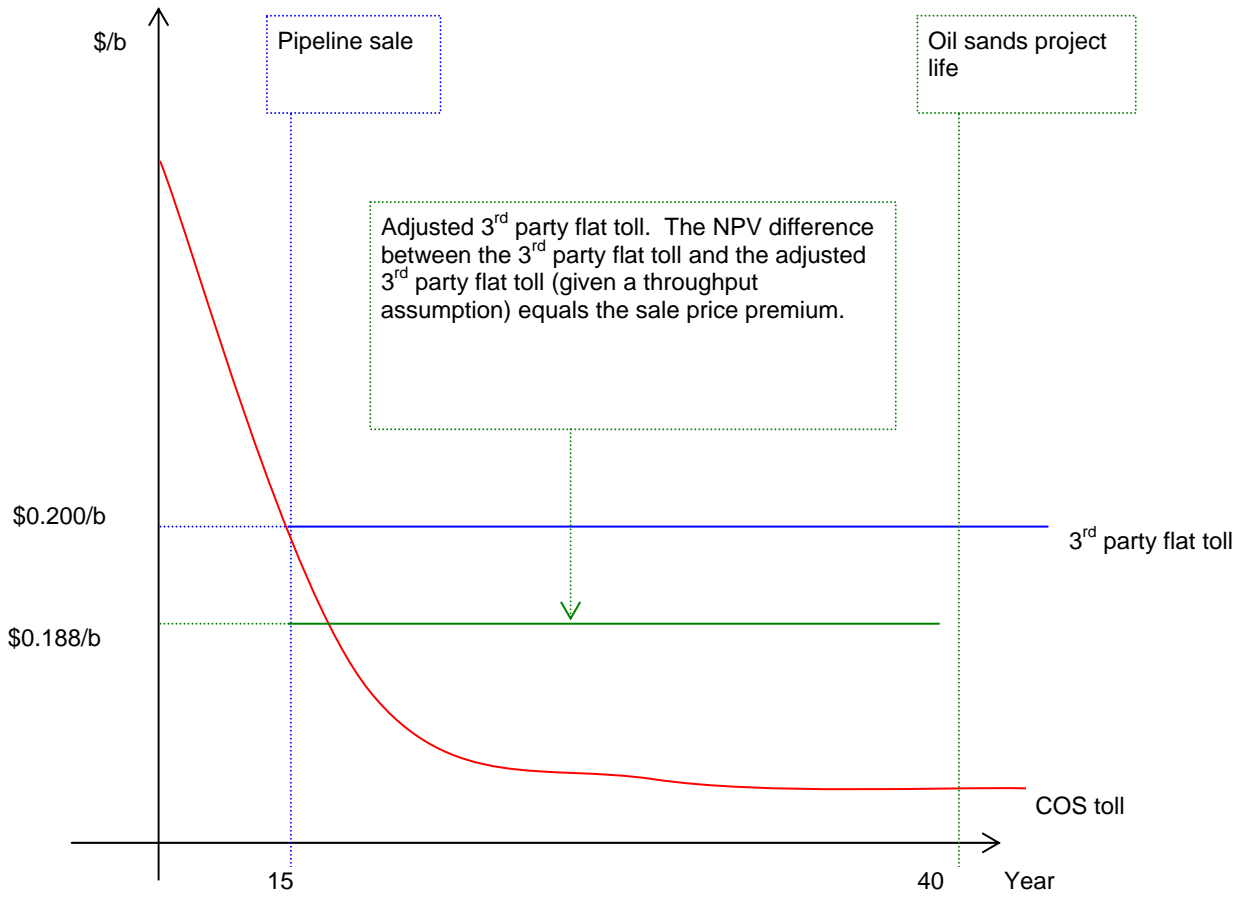
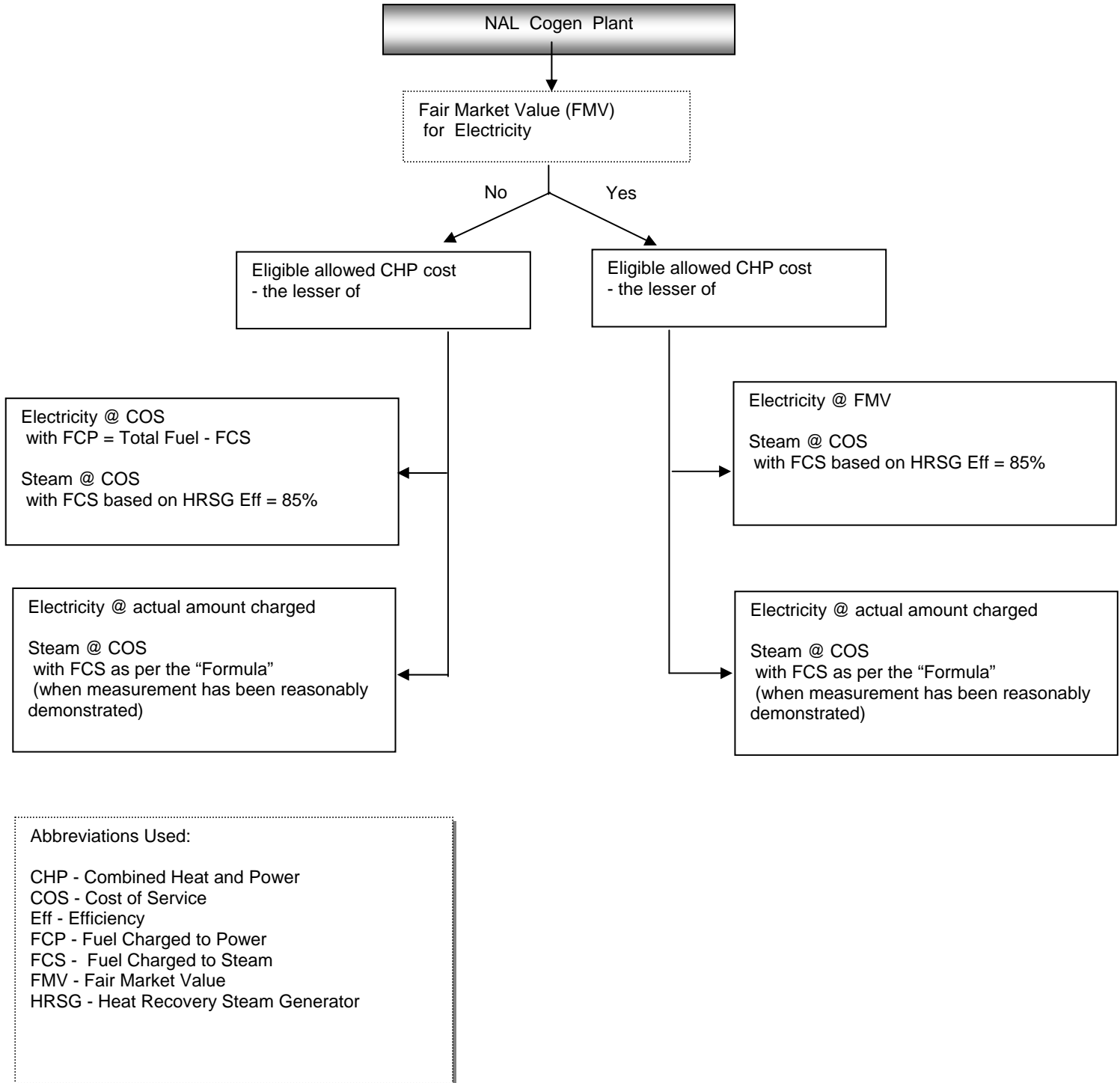


Figure 8: Allowed costs for non-arm's-length cogeneration

[For details, see Guidelines section 5.3.1.3 "Valuing Steam and Electricity from a Cogeneration Plant"]



FUEL CHARGED TO STEAM (FCS) CALCULATIONS w/r HRSG EFFICIENCIES (fired & unfired)

Data inputs in **blue** based on measured and manufacturer's data
Sensitivity changes reported in the Summary Table are determined by **red** inputs

Manufacturer's Data (GJ/day)			SUMMARY TABLE			
	Unfired HRSG	Fired HRSG	HRSG Efficiency	Unfired FCS Efficiency	HRSG Efficiency	Fired FCS Efficiency
GT fuel	24,735	24,735	95%	86%	95%	89%
Steam sensible heat	10,149	18,239	90%	86%	90%	88%
HRSG flue gas	4,138	4,901	85%	86%	85%	86%
Duct firing fuel	-	8,853	80%	86%	80%	85%
HRSG efficiency	71%	79%	75%	71%	75%	84%
			70%	86%	70%	83%
			65%	86%	65%	82%
			60%	86%	60%	81%
			55%	86%	55%	80%
			50%	86%	50%	80%
			45%	86%	45%	79%
			40%	86%	40%	78%

NOTE: the formula was run with different HRSG efficiencies that encompasses the experience with actual operations. Industry has suggested that a unfired HRSG (no duct firing) efficiency of 71% is reasonable, and 79% for a fired HRSG.

STEPS	Formula with Unfired HRSG	Formula with Fired HRSG
1	Steam sensible heat from duct firing —	Steam sensible heat from duct firing 6,994
	Duct firing fuel —	Duct firing fuel 8,853
	HRSG efficiency 71%	HRSG efficiency 79%
	Steam sensible heat from duct firing —	Steam sensible heat from duct firing 6,994
2	Steam sensible heat from GT 10,149	Steam sensible heat from GT 11,245
	Total steam sensible heat 10,149	Total steam sensible heat 18,239
	Less duct firing sensible heat —	Less duct firing sensible heat 6,994
	Steam sensible heat from GT 10,149	Steam sensible heat from GT 11,245
3	HRSG flue gas chargeable to steam 1,698	HRSG flue gas chargeable to steam 1,383
	Duct firing fuel —	Duct firing fuel 8,853
	Duct firing sensible heat —	Duct firing sensible heat 6,994
3.1	Duct firing loss —	Duct firing loss 1,859
	HRSG flue gas 4,138	HRSG flue gas 4,901
	Duct firing loss —	Duct firing loss 1,859
3.2	Flue gas loss due to GT 4,138	Flue gas loss due to GT 3,042
	Steam sensible heat form GT 10,149	Steam sensible heat form GT 11,245
	Total GT fuel 24,735	Total GT fuel 24,735
3.3	Sensible GT heat/ GT fuel 41%	Sensible GT heat/ GT fuel 45%
	Sensible GT heat/ GT fuel 41%	Sensible GT heat/ GT fuel 45%
	Flue gas loss due to GT 4,138	Flue gas loss due to GT 3,042
3.4	HRSG flue gas chargeable to steam 1,698	HRSG flue gas chargeable to steam 1,383
4	Total FCS from GT 11,847	Total FCS from GT 12,628
	Steam sensible heat from GT 10,149	Steam sensible heat from GT 11,245
	HRSG flue gas chargeable to steam 1,698	HRSG flue gas chargeable to steam 1,383
	Total FCS from GT 11,847	Total FCS from GT 12,628
5	Total FCS from duct firing —	Total FCS from duct firing 8,853
6	TOTAL FCS: 11,847	TOTAL FCS: 21,481
	Total FCS from GT 11,847	Total FCS from GT 12,628
	Total FCS from duct firing —	Total FCS from duct firing 8,853
	TOTAL FCS: 11,847	TOTAL FCS: 21,481
	FCS Efficiency (financial measure) 86%	FCS Efficiency (financial measure) 85%
	Total steam sensible heat 10,149	Total steam sensible heat 18,239
	Total FCS 11,847	Total FCS 21,481
	Total steam / total FCS 86%	Total steam / total FCS 85%

Figure 9: Approving and auditing research projects

[For details, see Guidelines section 5.6.1 "Cost Rules for Research"]

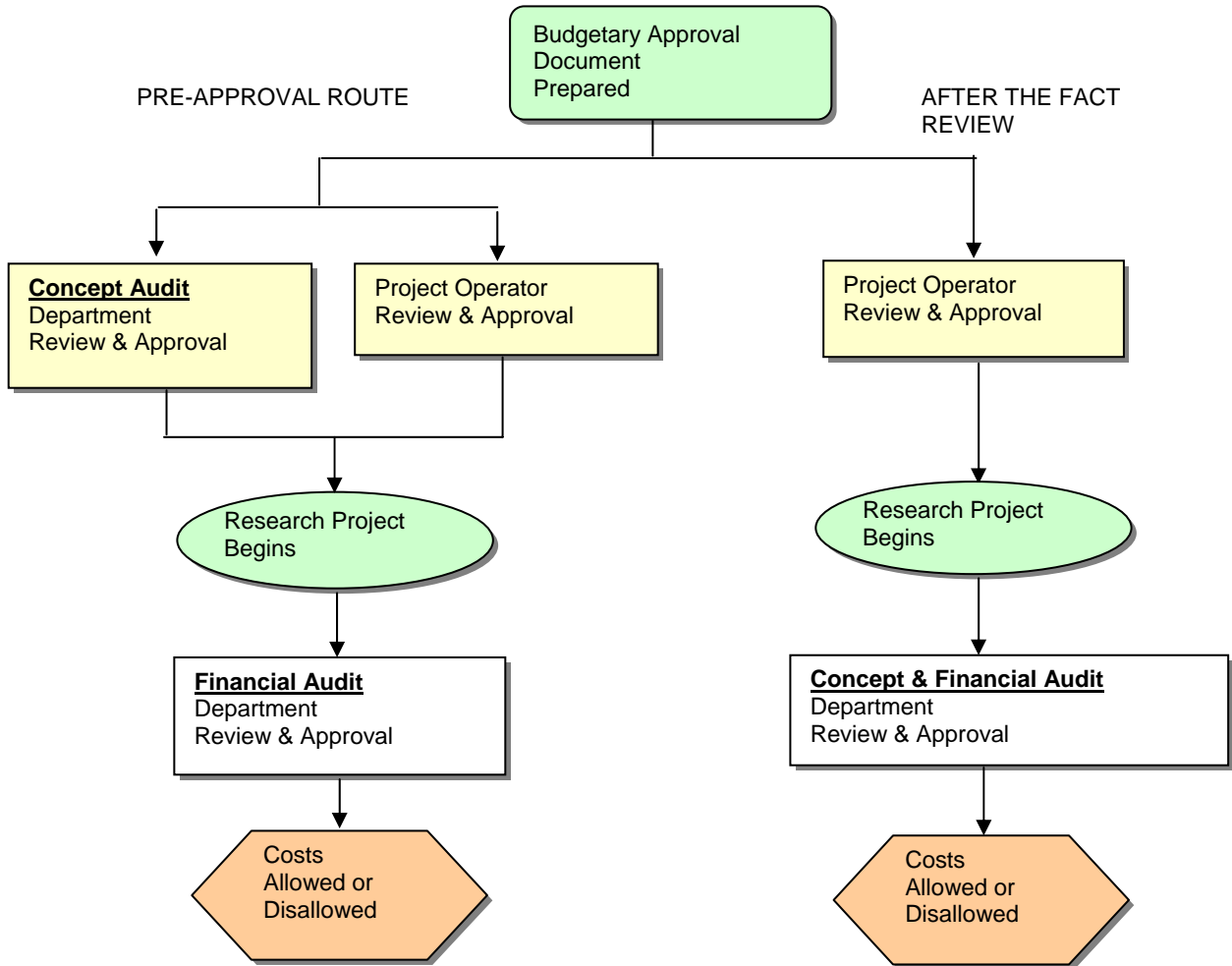


Figure 10: The information required for oil sands royalty payments.

[For details, see Guidelines section 6.5.1 "Methods of Payment"]

CLIENT ACCOUNT NUMBERS AND ID(S)	PAYMENT TYPE	LIST CHEQUE & AMOUNT (\$)
G94 ← Only applicable if reporting gas royalty		
G94		
G94		
OTHER (PLEASE IDENTIFY) eg. PCR, EOR PSR AssignedName OSR 123	PSR OSR	10,000.00 1,123,456.00
TOTAL DEPOSIT		\$ 1,133,456.00

Oil Sands Royalty Payments are reported under "OTHER"

Required Information

Oil sands royalty payments must include the following information:

- the payment date
- the name of the payer
- the activity ID that identifies the name or number assigned to the project
- the dollar amount for each activity ID, if the payment is for more than one project
- the payment total

If the payment is made by direct deposit, the required information must be entered directly on the RapidTrans slip.

If the payment is by mail or electronic transfer of funds, the required information can be faxed to the Cashiers Financial Services Group at 780.422-4281.

Figure 11: Cost rules for non-arm's-length assets

[For details, see Guidelines section 9.2 "Cost Rules Associated with Non-Arm's Length Transactions"]

