

BY E-MAIL ONLY

March 4, 2016

Andrew Scott
O'Chiese First Nation**INFRASTRUCTURE APPLICATIONS NO. 1845551, 1845552, 1845554, 4845555,
1845579, 1845580, 1845581, 1845584, 1845806, 1845807, 1846347****LAND USE APPLICATION NO. 151582
STATEMENTS OF CONCERN NO. 30107, 30096**

Dear Mr. Scott:

You are receiving this letter because you filed statements of concern (SOC) on the applications and authorization listed above on behalf of the Chief and Council of the O'Chiese First Nation (OCFN). The Alberta Energy Regulator (AER) has reviewed your statements of concern, along with the applications, the applicable requirements, and other submissions or information about the applications and has decided that a hearing is not required under an enactment or otherwise necessary to consider the concerns outlined in your statements of concern.

In its review of your concerns, the AER considered the following:

- OCFN's reserve boundaries are located approximately 20km from the nearest portion of the proposed project.
- Applications No. 1845806 and 1845807 are for projects that are located wholly on freehold land.
- Whether a decision of the AER may directly and adversely affect a party such as OCFN is to be considered by the AER in light of the evidence properly adduced before it. OCFN's concerns are of a general nature and the information provided by OCFN does not establish a sufficient degree of location or connection

between the applications and/or authorization and the potential interference or impacts on its asserted Treaty and Aboriginal rights. Accordingly, OCFN has not demonstrated that it may be directly and adversely affected by the applications or the authorization.

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514

The AER has issued the applied-for licences and approval and this is your notice of that decision. A copy of the licences and approval are attached. Under the *Responsible Energy Development Act* an eligible person may file a request for a regulatory appeal on an appealable decision. Eligible persons and appealable decisions are defined in section 36 of the *Responsible Energy Development Act* and section 3.1 of the *Responsible Energy Development Act General Regulation*. If you wish to file a request for regulatory appeal, you must submit your request in the form and manner and within the timeframe required by the AER. You can find filing requirements and forms on the AER website www.aer.ca under Applications & Notices: Appeals.

If you have any questions regarding the Infrastructure Applications, please contact Mr. David Miles at 403-297-3582 or e-mail david.miles@aer.ca.

If you have any questions regarding the Public Lands Approval, please contact Mr. Greg Thompson at 403-755-8441 or e-mail greg.thompson@aer.ca.

Sincerely,

[Original Signed by]

[Original Signed by]

Shelley Youens
Director, Infrastructure Authorizations
(Oil and Gas)

Elizabeth Grilo
Director Land Use

Enclosure (1): Licences and Approvals

cc: Glenda Prudom, Shell Canada Limited
AER Red Deer Field Centre
AER Aboriginal Relations

inquiries 1-855-297-8311
24-hour
emergency 1-800-222-6514



Licence No. 0479118
Well Name SCL HZ RMH43A FERRIER 1-6-40-7
Licensee SHELL CANADA LIMITED
Well Type PRODUCTION
Substance Name GAS
Formation Name DUVERNAY FM

Surface Location LSD 15-07-040-07 W5M

Surface Co-ordinates 341.0 metres South 801.5 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 100/01-06-040-07W5/0 **Surface Rights** ALBERTA CROWN

Field FERRIER **Mineral Rights** ALBERTA CROWN

Lahee / Confidential Status DPT(CB - ROCK CREEK MBR) **Projected Depth** 5911 metres

Field Centre RED DEER **Terminating Zone** DUVERNAY FM

(Ph. (403) 340-5454) **Ground Elevation** 974.8 metres

Emergency Planning Zone 0.21 km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ 0

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 4th day of March 2018 if well has not been spudded.

Dated at Calgary, Alberta this

4th day of March 2016.

Application Number 1845551

For Alberta Energy Regulator



Licence No. 0479119
 Well Name SCL HZ RMH43B FERRIER 1-6-40-7
 Licensee SHELL CANADA LIMITED
 Well Type PRODUCTION
 Substance Name GAS
 Formation Name DUNVEGAN FM

Surface Location LSD 15-07-040-07 W5M

Surface Co-ordinates 345.8 metres South 799.2 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 102/01-06-040-07W5/0 Surface Rights ALBERTA CROWN

Field FERRIER Mineral Rights ALBERTA CROWN

Projected Depth 5882 metres

Lahee / Confidential Status DPT(CB - ROCK CREEK MBR)

Field Centre RED DEER Terminating Zone DUVERNAY FM

(Ph. (403) 340-5454) Ground Elevation 974.8 metres

Emergency Planning Zone 0.21 km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ 0

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 4th day of March 2018 if well has not been spudded.

Dated at Calgary, Alberta this

4th day of March 2016.

Application Number 1845552

For Alberta Energy Regulator



Licence No. 0479120
 Well Name SCL HZ RMH43C FERRIER 2-6-40-7
 Licensee SHELL CANADA LIMITED
 Well Type PRODUCTION
 Substance Name GAS
 Formation Name DUVERNAY FM

Surface Location LSD 15-07-040-07 W5M

Surface Co-ordinates 349.6 metres South 796.8 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID 102/02-06-040-07W5/0 Surface Rights ALBERTA CROWN
 Field FERRIER Mineral Rights ALBERTA CROWN
 Projected Depth 5866 metres

Lahee / Confidential Status DPT(CB - ROCK CREEK MBR)

Field Centre RED DEER Terminating Zone DUVERNAY FM
 (Ph. (403) 340-5454) Ground Elevation 974.8 metres

Emergency Planning Zone 0.21 km

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ 0

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 4th day of March 2018 if well has not been spudded.

Dated at Calgary, Alberta this

4th day of March 2016.

Application Number 1845554

For Alberta Energy Regulator



Licence No. 0479121
 Well Name SCL HZ RMH43D FERRIER 2-6-40-7
 Licensee SHELL CANADA LIMITED
 Well Type PRODUCTION
 Substance Name GAS Formation Name DUVERNAY FM

Surface Location LSD 15-07-040-07 W5M
 Surface Co-ordinates 353.8 metres South 794.5 metres West
 (As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	103/02-06-040-07W5/0	Surface Rights	ALBERTA CROWN
Field	FERRIER	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	DPT(CB - ROCK CREEK MBR)	Projected Depth	5862 metres
Field Centre	RED DEER (Ph. (403) 340-5454)	Terminating Zone	DUVERNAY FM
Emergency Planning Zone	0.21 km	Ground Elevation	974.8 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ 0

Licence Remarks:
 This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.
 This licence expires on 4th day of March 2018 if well has not been spudded.

Dated at Calgary, Alberta this
 4th day of March 2016.
 Application Number 1845555

For Alberta Energy Regulator

Licence 56834
 Licensee Shell Canada Limited
 Consultant
 Field Centre Red Deer
 H2S Content(mol/kmol) 0.00
 Substance (Code) Natural Gas (NG)

Pipe Specification (Pipeline specifications are only removed from the licence if they are no longer in use)

<u>Id No.</u>	<u>O.D. (mm)</u>	<u>Wall Thickness (mm)</u>	<u>Mat</u>	<u>Type</u>	<u>Grade</u>	<u>M.O.P. (kPa)</u>	<u>Stress Level</u>	<u>Joints</u>	<u>I.P.</u>
1	114.3	4.00	S	Z245.1	3592	8960	36	W	U
2	168.3	4.80	S	Z245.1	3592	8960	44	W	U

Pipe Location And Status

<u>Action</u>	<u>Line No.</u>	<u>From Location Lsd-Sec-Twp-Rge-M</u>	<u>From Facility Code</u>	<u>To Location Lsd-Sec-Twp-Rge-M</u>	<u>To Facility Code</u>	<u>Length (km)</u>	<u>Stat</u>	<u>Envr</u>	<u>Id No.</u>
Add	7	16-33-039-08W5M	WE	15-35-039-08W5M	PL	3.07	P	CC	1
Add	8	15-35-039-08W5M	PL	12-01-040-08W5M	PL	2.32	P	CC	2

This licence permits the Licensee to conduct the activities authorized by it. At all times the Licensee must comply with all applicable legislation and regulatory requirements imposed from time to time by the Alberta Energy Regulator.

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

Drilling or construction authorized by this licence must commence on or before March 4, 2018.

Dated at Calgary, Alberta this
4th day of March 2016.

Application Number 1845579



For Alberta Energy Regulator

Licence 56834
 Licensee Shell Canada Limited
 Consultant
 Field Centre Red Deer
 H2S Content(mol/kmol) 0.00
 Substance (Code) Natural Gas (NG)

Pipe Specification (Pipeline specifications are only removed from the licence if they are no longer in use)

<u>Id No.</u>	<u>O.D. (mm)</u>	<u>Wall Thickness (mm)</u>	<u>Mat</u>	<u>Type</u>	<u>Grade</u>	<u>M.O.P. (kPa)</u>	<u>Stress Level</u>	<u>Joints</u>	<u>I.P.</u>
1	168.3	4.80	S	Z245.1	3592	8960	44	W	U

Pipe Location And Status

<u>Action</u>	<u>Line No.</u>	<u>From Location Lsd-Sec-Twp-Rge-M</u>	<u>From Facility Code</u>	<u>To Location Lsd-Sec-Twp-Rge-M</u>	<u>To Facility Code</u>	<u>Length (km)</u>	<u>Stat</u>	<u>Envr</u>	<u>Id No.</u>
Add	9	15-04-041-08W5M	WE	07-11-041-08W5M	CS	4.09	P	CC	1

This licence permits the Licensee to conduct the activities authorized by it. At all times the Licensee must comply with all applicable legislation and regulatory requirements imposed from time to time by the Alberta Energy Regulator.

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

Drilling or construction authorized by this licence must commence on or before March 4, 2018.

Dated at Calgary, Alberta this
 4th day of March 2016.
 Application Number 1845580



For Alberta Energy Regulator

Licence 56834
 Licensee Shell Canada Limited
 Consultant
 Field Centre Red Deer
 H2S Content(mol/kmol) 0.00
 Substance (Code) Natural Gas (NG)

Pipe Specification (Pipeline specifications are only removed from the licence if they are no longer in use)

<u>Id No.</u>	<u>O.D. (mm)</u>	<u>Wall Thickness (mm)</u>	<u>Mat</u>	<u>Type</u>	<u>Grade</u>	<u>M.O.P. (kPa)</u>	<u>Stress Level</u>	<u>Joints</u>	<u>I.P.</u>
1	168.3	4.80	S	Z245.1	3592	8960	44	W	U

Pipe Location And Status

<u>Action</u>	<u>Line No.</u>	<u>From Location Lsd-Sec-Twp-Rge-M</u>	<u>From Facility Code</u>	<u>To Location Lsd-Sec-Twp-Rge-M</u>	<u>To Facility Code</u>	<u>Length (km)</u>	<u>Stat</u>	<u>Envr</u>	<u>Id No.</u>
Add	10	02-11-041-08W5M	WE	10-01-041-08W5M	PL	2.00	P		1

This licence permits the Licensee to conduct the activities authorized by it. At all times the Licensee must comply with all applicable legislation and regulatory requirements imposed from time to time by the Alberta Energy Regulator.

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

Drilling or construction authorized by this licence must commence on or before March 4, 2018.

Dated at Calgary, Alberta this
 4th day of March 2016.
 Application Number 1845581



For Alberta Energy Regulator

Licence 56834
 Licensee Shell Canada Limited
 Consultant
 Field Centre Red Deer
 H2S Content(mol/kmol) 0.00
 Substance (Code) Natural Gas (NG)

Pipe Specification (Pipeline specifications are only removed from the licence if they are no longer in use)

<u>Id No.</u>	<u>O.D. (mm)</u>	<u>Wall Thickness (mm)</u>	<u>Mat</u>	<u>Type</u>	<u>Grade</u>	<u>M.O.P. (kPa)</u>	<u>Stress Level</u>	<u>Joints</u>	<u>I.P.</u>
1	168.3	4.80	S	Z245.1	3592	8960	44	W	U

Pipe Location And Status

<u>Action</u>	<u>Line No.</u>	<u>From Location Lsd-Sec-Twp-Rge-M</u>	<u>From Facility Code</u>	<u>To Location Lsd-Sec-Twp-Rge-M</u>	<u>To Facility Code</u>	<u>Length (km)</u>	<u>Stat</u>	<u>Envr</u>	<u>Id No.</u>
Add	11	14-18-040-07W5M	PL	16-31-040-07W5M	PL	5.34	P		1

This licence permits the Licensee to conduct the activities authorized by it. At all times the Licensee must comply with all applicable legislation and regulatory requirements imposed from time to time by the Alberta Energy Regulator.

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

Drilling or construction authorized by this licence must commence on or before March 4, 2018.

Dated at Calgary, Alberta this
 4th day of March 2016.
 Application Number 1845584



For Alberta Energy Regulator



Licence No. 0479122
 Well Name SCL HZ WILLGR 16-13-40-7
 Licensee SHELL CANADA LIMITED
 Well Type PRODUCTION
 Substance Name GAS
 Formation Name DUVERNAY FM

Surface Location LSD 10-25-040-07 W5M
 Surface Co-ordinates 714.8 metres South 529.2 metres West
 (As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	102/16-13-040-07W5/0	Surface Rights	FREEHOLD
Field	WILLESDEN GREEN	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	DPT(CB - ROCK CREEK MBR)	Projected Depth	5734 metres
Field Centre	RED DEER (Ph. (403) 340-5454)	Terminating Zone	DUVERNAY FM
Emergency Planning Zone	0.21 km	Ground Elevation	1010.4 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ 0

Licence Remarks:
 This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.
 This licence expires on 4th day of March 2018 if well has not been spudded.

Dated at Calgary, Alberta this
 4th day of March 2016.
 Application Number 1845806

For Alberta Energy Regulator



Licence No. 0479123
 Well Name SCL HZ 102 WILLGR 13-18-40-6
 Licensee SHELL CANADA LIMITED
 Well Type PRODUCTION
 Substance Name GAS
 Formation Name DUVERNAY FM

Surface Location LSD 10-25-040-07 W5M

Surface Co-ordinates 714.8 metres South 524.3 metres West

(As measured or calculated from the exterior boundaries of the quarter section)

Unique ID	102/13-18-040-06W5/0	Surface Rights	FREEHOLD
Field	WILLESDEN GREEN	Mineral Rights	ALBERTA CROWN
Lahee / Confidential Status	DPT(CB - ROCK CREEK MBR)	Projected Depth	5671 metres
Field Centre	RED DEER (Ph. (403) 340-5454)	Terminating Zone	DUVERNAY FM
Emergency Planning Zone	0.21 km	Ground Elevation	1010.4 metres

Number of occupied dwellings, public facilities, and/or places of business inside the EPZ 0

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

This licence expires on 4th day of March 2018 if well has not been spudded.

Dated at Calgary, Alberta this

4th day of March 2016.

Application Number 1845807

For Alberta Energy Regulator

Licence 56834
 Licensee Shell Canada Limited
 Consultant
 Field Centre Red Deer
 H2S Content(mol/kmol) 0.00
 Substance (Code) Natural Gas (NG)

Pipe Specification (Pipeline specifications are only removed from the licence if they are no longer in use)

<u>Id No.</u>	<u>O.D. (mm)</u>	<u>Wall Thickness (mm)</u>	<u>Mat</u>	<u>Type</u>	<u>Grade</u>	<u>M.O.P. (kPa)</u>	<u>Stress Level</u>	<u>Joints</u>	<u>I.P.</u>
1	168.3	4.80	S	Z245.1	3592	8960	44	W	U
2	219.1	5.60	S	Z245.1	3592	8960	49	W	U
3	168.3	4.80	S	Z245.1	3592	0	0	W	U

Pipe Location And Status

<u>Action</u>	<u>Line No.</u>	<u>From Location Lsd-Sec-Twp-Rge-M</u>	<u>From Facility Code</u>	<u>To Location Lsd-Sec-Twp-Rge-M</u>	<u>To Facility Code</u>	<u>Length (km)</u>	<u>Stat</u>	<u>Envr</u>	<u>Id No.</u>
Add	12	10-01-041-08W5M	WE	15-31-040-07W5M	PL	2.61	P	CC	1
Add	13	15-31-040-07W5M	PL	01-06-041-07W5M	GP	0.72	P		2
Add	14	15-31-040-07W5M	BE	16-31-040-07W5M	BE	0.38	D		3

This licence permits the Licensee to conduct the activities authorized by it. At all times the Licensee must comply with all applicable legislation and regulatory requirements imposed from time to time by the Alberta Energy Regulator.

Licence Remarks:

This Licence has been issued for a term of two years. The licensee will ensure that the survey plan is up to date and that updated participant involvement notifications are completed prior to commencing construction.

Drilling or construction authorized by this licence must commence on or before March 4, 2018.

Dated at Calgary, Alberta this
 4th day of March 2016.
 Application Number 1846347



For Alberta Energy Regulator

Short Term Pipeline Agreement



OPERATOR: SHELL CANADA LIMITED

DISPOSITION NUMBER: PLA151582

TERM: 4 years

PURPOSE: PIPELINE - PNG or OIL SANDS PIPELINE

THIS SHORT TERM AGREEMENT made in duplicate on the date of approval.

BETWEEN: The Alberta Energy Regulator, acting pursuant to its authority under the Responsible Energy Development Act, S.A. 2012, c. R-17.3 and its regulations ("REDA"), on behalf of HER MAJESTY THE QUEEN in right of the Province of Alberta, as represented by Alberta Energy Regulator (the "Regulator")

SHELL CANADA LIMITED -and-

(the "Operator"),

WHEREAS:

- A. The lands more particularly described in "Land Description" and depicted in the plan number and version dated 96852 P, 2015-12-09, (the "Lands") are public lands within the meaning of the *Public Lands Act, R.S.A. 2000, c. P-40* (the "Act") which are administered by the Minister of Alberta Environment and Parks ("Minister of AEP");
- B. the Regulator has authority under REDA to grant dispositions under the Act and the *Public Lands Administration Regulation, A.R. 187/2011* (the "Regulations") to grant dispositions on the Lands for purposes of one or more pipelines and right of way installations incidental thereto;
- C. the Operator has the right to construct a pipeline, undertake any operations preparatory to the construction of a pipeline, or to operate a pipeline;
- D. the Operator requires access to the Lands for purposes of one or more pipelines and right of way installations incidental thereto; and
- E. the Regulator and the Operator (the "Parties") have agreed that the Operator should have access to the Lands for the purposes of this Agreement.

NOW THEREFORE the Parties hereto agree as follows:

AGREEMENT, TERM AND RENT:

1. Subject to the terms and conditions of this Agreement, and in consideration of the fees, covenants, conditions and stipulations herein reserved and contained on the part of the Operator to be paid, observed, performed and kept, the Regulator hereby leases to the Operator the Lands for a term of 4 years commencing on the date that this Agreement is signed by the Regulator's duly authorized representative unless this Agreement is terminated earlier as hereinafter provided.

Short Term Pipeline Agreement

2. The Operator shall pay to the Department of Alberta Environment and Parks (Department) on the execution of this Agreement the lump-sum consideration calculated in accordance with Schedule "A" (collectively "the consideration") and as compensation for other initial benefits accruing to the Operator.
3. In addition to the consideration paid by the Operator under this Agreement, the Operator shall be liable to the Minister of AEP for damage caused by the Operator in re-entering the right of way in the exercise of the Operator's rights under this Agreement
 - a) after the pipeline or any parts thereof are buried; or
 - b) after the pipeline has been put into operation;whichever event occurs sooner.

THE OPERATOR HEREBY COVENANTS AND AGREES with the Regulator as follows:

4. The Operator shall at all times during the term, perform, observe and comply with all the provisions, obligations and requirements set out in this Agreement, the Act, and the Regulations.
5. The Operator shall pay or cause to be paid to the Department or to such other person duly authorized by the Department in that behalf, the lump-sum consideration, annual rent and other charges hereby reserved.
6. The Operator shall enter the Lands and perform the work including, if applicable, preparation, construction, development, operation, maintenance and abandonment and prepare and submit final submissions to the Regulator in accordance with the terms and conditions of this Agreement, the Act, and the Regulations.
7. The Lands and buildings, structures and equipment erected thereon shall be used by the Operator solely for the purposes permitted by this Agreement, the Act, and the Regulations.
8. The Operator shall not transfer or assign the Lands or any part thereof without the prior written consent of the Regulator.
9. The Operator shall at all reasonable times permit the Minister of AEP, the Regulator, and their employees, agents and designates access to the Lands for the purposes of inspection and to ensure compliance with the terms and conditions of the Act, the Regulations and this Agreement.
10. The Operator shall comply with all terms and conditions contained in;
 - a) Schedule "A",
 - b) Landscape Analysis Tool Report,attached hereto and forming part of this Agreement.

Short Term Pipeline Agreement

11. The Operator shall;
 - a) construct, and
 - b) operate,in accordance with each of the following documents:
 - i) the Pipeline Supplement - AS-003,
 - ii) the Non Standard Mitigation Supplement - MS-001, and
 - iii) the Application Plan (as defined in section 7.0 of the Enhanced Approval Process (EAP) Manual in effect on the date this Licence is issued).
12. The Operator shall comply with the Integrated Standards and Guidelines document for the EAP in effect on the date of issuance of this Agreement, specifically;
 - a) Pre-Application Requirements and Information,
 - b) Approval Standards,
 - c) Operating Conditions, and
 - d) Best Management Guidelines.
13. The Operator shall comply with all applicable federal and provincial laws and all applicable municipal by-laws, and shall obtain all necessary permits, licences, authorizations and approvals required when performing its activities on the Lands.

THE REGULATOR COVENANTS AND AGREES with the Operator as follows:

14. The Regulator accepts the consideration referred to in clause 2 as full compensation for:
 - a) damage to or destruction of the land necessarily and reasonably incurred by the Operator in preparing, constructing and documenting development on the Lands,
 - b) severance,
 - c) injurious affection of other public lands under the administration of the Minister of AEP, and
 - d) nuisance, inconvenience and noise caused by or arising from the operations of the Operator on the Lands.

Acceptance of the above-noted consideration does not absolve or relieve the Operator from its obligation to indemnify the Regulator and the Minister of AEP against all actions, claims and demands that may arise in the exercise or purported exercise of its duties, rights, powers and privileges granted under this Agreement, and does not absolve or relieve the Operator from

Short Term Pipeline Agreement

liability to remediate and reclaim the Lands. The Operator shall at all times use current and best industry practices to minimize damage, destruction, nuisance, inconvenience and noise in performing its operations on the Lands.

15. The Regulator agrees that the Regulator has the right to issue this Agreement to the Operator. Subject to the reservations and terms and conditions contained herein, the Operator, if not in default, has the right to occupy and use the Lands without interruption or disturbance from either the Regulator or the Minister of AEP or any person claiming through or under them.

CANCELLATION OR EXPIRY OR ISSUANCE OF A REPLACEMENT AGREEMENT:

16. The Regulator may cancel, suspend or amend this Agreement in accordance with sections 26 and 27 of the Act if satisfied that the Operator has failed to comply with any of the conditions terms or conditions set out in, or incorporated into, this Agreement, whereupon all considerations, and charges shall be forfeited to the Minister of AEP and the Operator shall not be entitled to any compensation for work performed on the Lands or expenditures by the Operator made incidental to this Agreement.
17. Upon cancellation or expiry of the term of this Agreement, and if the Regulator chooses to not issue a new pipeline Agreement to replace it, the Operator shall at its sole expense within a time period specified by the Regulator remove all infrastructure and reclaim the Lands to a condition satisfactory to the Regulator. If the Operator fails to remove infrastructure and reclaim the Lands to the satisfaction of the Regulator, the Regulator may perform the work, or have the work performed, on behalf of the Operator and all resulting charges and costs shall constitute a debt owed to the Regulator.
18. Provided that the Operator has satisfactorily complied with all applicable provisions, terms and conditions of the Act, Regulations and this Agreement, and provided the Operator has provided to the Regulator a final submission referred to in Schedule "A" that is satisfactory to the Regulator, the Regulator may issue to the Operator a long term pipeline agreement.

INTERPRETATION:

19. The recitals shall form an integral part of this Agreement.
20. Any reference to REDA, the Act or the Regulations shall include REDA, the Act or Regulations as subsequently amended or revised, or any statutes or regulations passed in substitution thereof.
21. All provisions of the Act and Regulations that expressly or by implication relate to a Pipeline Agreement apply to this Agreement and shall be read and construed as if the same had been set out and incorporated herein.
22. Where any provisions of REDA, the Act or Regulations conflict with anything contained in this Agreement, the provisions of REDA, the Act, and then the provisions of the Regulations shall prevail over this Agreement.
23. Where there is more than one applicable Approval Standard or Operating Condition, as the case may be, applicable to the activities and the Lands, the most stringent Approval Standard or Condition shall prevail.

Short Term Pipeline Agreement

24. If there is conflict between the Application Supplement (Pipeline - AS-003), the Non Standard Mitigation Supplement - MS-001, and the Application Plan (as defined in section 7.2 of the EAP Manual), a term or condition of this Agreement, an Approval Standard for the EAP, or an Operating Condition of the EAP, the most stringent requirement prevails.
25. If the Operator acquired this Agreement in error or through fraud, misrepresentation, personation or improvidence, the Regulator may cancel, suspend or amend the Agreement, pursuant to section 26(1) of the *Public Lands Act*.
26. All subsequent approvals, amendments or waivers issued by a Regulator employee responsible for the management of pipeline activity on the Lands must be in writing.
27. All Appendices and Schedules referred to and attached herein, and all subsequent approvals, amendments or waivers in writing form part of this Agreement.
28. Service of a notice upon the Operator may be given by personal service, electronic facsimile or ordinary mail sent to the Operator at the Operator's last known facsimile number or postal address recorded by the Regulator. Any notice shall be deemed to have been effectively given on the day delivered or sent by facsimile, or if sent by mail on the fifth day after it was mailed. It is the Operator's responsibility to advise the Regulator in writing of any change in its electronic or postal addresses.
29. This Agreement is governed by the laws of the Province of Alberta.
30. The Operator acknowledges that terms of this Agreement, including the name of the Operator, may be subject to disclosure under the *Freedom of Information and Protection of Privacy Act*, R.S.A. 2000, c. F-25, as amended. The Operator further acknowledges that *Freedom of Information and Protection of Privacy Act* applies to all information and records provided by the Operator to the Regulator and to any information and records that are in the custody or control of the Regulator, and that by submitting any information and records to the Regulator, the Operator thereby waives any confidentiality or privilege respecting such information or records unless the Operator requests, and the Regulator agrees, that confidentiality or privilege be noted on a specific document and sets out reasonable and rational grounds for doing so.
31. This document is your authority to access the Lands and provides the right to construct a pipeline, undertake any operations preparatory to the construction of a pipeline, or to operate a pipeline in or underlying the Lands. The Operator shall retain a copy of this Agreement on the job site during all phases of activity, including, if applicable, preparation, construction, development, maintenance and abandonment.
32. An original of this Agreement is filed at the offices of the Alberta Energy Regulator, Suite 1000, 250 – 5th Street SW, Calgary, Alberta. The original will be used as the authority should any discrepancies arise in content of the counterparts or subsequent copies of the original.
33. By originally submitting its application in which it agreed to be bound by the terms and conditions of any resulting disposition the Operator is hereby deemed to have executed this Agreement and is hereby bound by all terms and conditions set out in, or incorporated into, this Agreement.

Short Term Pipeline Agreement

SCHEDULE A

Administrative Conditions

1. The Holder of the Short Term Pipeline Agreement shall comply with the conditions set out in this Schedule "A":
 - a) The Operator shall pay to the Department on the execution of this Agreement the consideration calculated by the Regulator in accordance with Environment and Sustainable Resource Development's (ESRD) processes approved by the Minister of AEP under Section 9.1 of the Act (collectively "the consideration") and as compensation for other initial benefits accruing to the Operator.
 - b) Payments required by this document are to be made payable to "**Government of Alberta**" and mailed to:

Environment and Sustainable Resource Development
Operations Division, Main Floor, Petroleum Plaza, South Tower
9915 - 108 Street
Edmonton, Alberta T3K 2G8
 - c) The Operator shall not conduct any activity on the Lands where prior rights have been issued without the consent of the holder of these prior rights. A list of prior and subsisting authorizations and dispositions (prior rights) issued on the quarter sections included in this authority can be purchased from Alberta Energy, Crown Land Data Support, Telephone: 780-422-1395, or the Alberta Energy Website: <http://www.energy.gov.ab.ca>.
 - d) Surface rights plot sheets showing active dispositions, and individual activity plans can be purchased from IHS, Main Floor, Petroleum Plaza, South Tower, 9915 - 108 Street, Edmonton, Alberta, T5K 2G8, Telephone: 780-413-3380, Fax: 780-413-3383 or Website: <http://www.petrosurveys.ca>
 - e) The Operator shall contact the registered trapper, if any trapping areas (TPA) have been issued on the quarter sections included in this authority, at least TEN DAYS PRIOR TO COMMENCING ANY ACTIVITY. This must be done by registered mail and personal communication follow-up is strongly recommended.. The trapper's name and address may be obtained from Alberta Energy, Crown Land Data Support (Telephone: 780-422-5727). For other information concerning registered traplines, contact the Client and Licensing Service, Environment and Sustainable Resource Development, Edmonton, Alberta (Telephone: 780-427-5185) upon receipt of this approval. The Operator may be responsible for any damage to traps, snares or other improvements.
 - f) Where applicable, the Regulator may, in addition to any other charges, assess a further charge of 50 cents per acre (\$1.24 per hectare) on every acre or part acre in this authority to fund the Trapper's Compensation Program. Classification of lands can be obtained from Alberta Energy, Crown Land Data Support, Telephone: 780-422-5727 or the Alberta Energy Website: <http://www.energy.gov.ab.ca>.

Short Term Pipeline Agreement

SCHEDULE A

Administrative Conditions

- g) The Operator is responsible for obtaining any necessary federal, municipal and other permits and approvals with respect to this authority.
- h) Incidental activities and temporary uses, specifically: borrow pits, log decks, temporary work spaces, push outs and bank stabilization that are shown on the authorized plan and which comply with the standards set out in the *Temporary Field Authorization Guidelines* shall be permitted during the term of this Short Term Pipeline Agreement. Those incidental activities and temporary uses that are not included in the above list, or not shown on the authorized plan or not in compliance with the standards set out in the *Temporary Field Authorization Guidelines* require a separate Temporary Field Authorization before commencing construction.
- i) Without restricting the provisions of section 24 of the Regulation, the Operator agrees to indemnify and hold harmless the Minister of AEP, the Regulator, their employees and agents from any and all third party claims, demands, actions or costs (including legal costs on a solicitor-client basis) for which the Operator is legally responsible, including those arising out of negligence or wilful acts by the Operator or the Operator's employees or agents. This hold harmless provision shall survive this Agreement.
- j) The Operator shall, at its own expense and without limiting its liabilities herein, insure its operations under a contract of General Liability Insurance, in accordance with the *Alberta Insurance Act*, in an amount not less than \$5,000,000 inclusive per occurrence, insuring against bodily injury, personal injury and property damage including loss of use thereof including all losses, damages and harm that may result from the Operator's activities and operations on the Lands. The Operator shall provide the Regulator with acceptable evidence of all the insured prior to the commencement of the Work and shall promptly provide the Regulator with a certified true copy of each policy upon request.
- k) The Operator acknowledges that these are the minimum requirements that have been established by the Regulator. No representation or warranty of any kind is made by the Regulator as to the completeness or suitability of this insurance and the Operator shall determine and satisfy itself that it has appropriate and sufficient coverage to satisfy its own risk and insurance requirements, and to cover its obligations under this Agreement.
- l) Upon discontinuance of the use of the Short Term Pipeline Agreement and the exercise of the rights hereby granted, the Operator shall at its sole expense within a time period specified by the Regulator remove all infrastructure and reclaim the Lands to a condition satisfactory to the Regulator. The Operator may leave and abandon the pipeline or pipelines in place, provided that the Operator acquires the consent of the Regulator.
- m) This authorization is granted subject to further amendment by the Regulator.

Short Term Pipeline Agreement

SCHEDULE A

Administrative Conditions

2. The Operator shall obtain prior written authorization from the Regulator before deviating from an authorized plan and/or standard and condition as identified within this authority.
3. The Operator shall not in any way alter or modify this document. The Operator shall immediately advise the Regulator of any errors or omissions in this document.
4. Notification to the Regulator of entry must occur within 72 hours of site entry. Notification of site entry must be made through the Electronic Disposition System, in accordance with the *Enhanced Approval Process Manual*.
5. A final submission must be submitted to the Regulator by the Operator within the term of this Agreement.
6. The final submission shall include a final plan in the type and format as specified in the Disposition Plan Types/Formats document. The Disposition Plan Types/Formats document is available on the AER website. To access the document, search for “Disposition Plan Types Formats” on www.aer.ca.
 - a) Where interim submissions have been applied for with the final submission plan requirements, as specified in Disposition Plan Types/Formats document, the final submission shall include:
 - i) An Alberta Land Surveyors Statutory Declaration for those disposition types that require a plan of survey. The form is available on the AER website. To access the forms search for “Alberta Land Surveyors Statutory Declaration” on www.aer.ca, or
 - ii) A GPS Location Plan Statutory Declaration for those disposition types that require a GPS Location Plan. The form is available on the AER website. To access the forms search for “GPS Location Plan Statutory Declaration” on www.aer.ca.
7. Without restricting the provisions of section 24 of the Regulation, in the event that the Operator chooses to submit a GPS Location Plan, the Operator agrees to indemnify and hold harmless the Minister of ESRD, the Regulator, their employees and agents from any and all third party claims, demands, actions or costs (including legal costs on a solicitor-client basis) for any errors in the GPS Location Plan, including those arising out of negligence or wilful acts by the Operator or the Operator's employees or agents. This hold harmless provision shall survive this Agreement.
8. Charges calculated under Section 21(1)(b) of the *Public Lands Administration Regulation* will follow under separate cover.

Short Term Pipeline Agreement

All licences, authorizations and approvals issued under the *Alberta Environmental Protection and Enhancement Act*, *Water Act* or *Public Lands Act* should not be taken to mean the proponent (applicant) has complied with federal legislation. Proponents should contact Habitat Management, Central and Arctic Region, Fisheries and Oceans, at the appropriate local office as listed below, in relation to the application of federal laws relating to the *Fisheries Act* (Canada).

- Bow and Parkland Regions (403) 292-5160
- Northern East Slopes and Northeast Boreal Regions (780) 495-4220
- Prairie Region (403) 394-2920
- Northwest Boreal Region (780) 618-3220

Proponents should also contact the Navigation Protection Program, Canadian Coast Guard, 4253-97 Street, Edmonton, Alberta, T6E 5Y7, Telephone: (780) 495-6325, relating to the *Navigable Waters Protection Act*.

Landscape Analysis Tool Report**Time:** 17:55 31 PM**LAT Number:** 000003B69D**LAT Date:** 2015-05-06**Project Name:** RMH 21 Pipeline**Project Description:** Pipeline RMH 21 GJN 20150109**Disposition Type:** Pipeline Agreement (PLA)**Purpose Type:** Pipeline-PNG/OS Pipeline (PNGOSPIPE)**Responsibility of Applicants:**

It is the applicant's responsibility to conduct a full review of the generated LAT Report, ensuring that you have a full understanding of the defined standards and conditions, and any limitations as may also be imposed by any other law or Order of the Province or the Government of Canada that may impact on the proposed use of the land.

The applicant must assess if the proposed activity can meet those standards, conditions and limitations which will subsequently determine if an EAP application will be submitted to the regulatory body as "Standard" or "Non-Standard". Applicants should complete a thorough review of EAP processes, IS&G documents and generated LAT Reports prior to making this determination.

- "Standard" EAP application submissions are those where the applicant chooses to meet all of the associated Approval Standards identified in the LAT Report submitted as part of the application and aligns those standards to the associated supplements and the application plan.
- "Non-Standard" EAP application submissions are those where the applicant chooses not to meet, or is not able to meet, one or more of the associated Approval Standards identified in the LAT Report submitted as part of the application, or the requirements of reservations as identified within the land status report. Non-Standard EAP application submissions require the inclusion of a completed Non-Standard Mitigation Supplement.

The information provided within the LAT Tool is a spatial representation of features provided for land use planning. The accuracy of these layers varies depending on the resource value being represented. Site visits, wildlife surveys and ground-truthing is required to ensure that you, the applicant will meet the applicable Pre-Application requirements, Approval Standards, Operating Conditions and Best Management Practices of the Integrated Standards and Guidelines.

Landscape Analysis Tool Report
Base Features

Crown Ownership:	Provincial/Titled, Provincial/Untitled	FMU:	R12
Green/White Area:	Green Area	FMA:	Weyerhaeuser Company Limited (Pembina Timberland)
Municipality:	Clearwater County	Provincial Grazing Reserve:	
Higher Level Plans:	David Thompson Corridor Local Integrated Resource Plan	Rocky Mountain Forest Reserve:	
	Rocky-North Saskatchewan Sub-Regional Integrated Resource Plan	PLUZ Areas:	

Provincial Sanctuaries

Wildlife Corridors:		Game Bird:	
Restricted Area:		Seasonal:	

Landscape Analysis Tool Report
Sensitive Features

Wildlife			
Burrowing Owl Range:	<input type="text"/>	Other Sensitive and Endangered Species:	<input type="text"/>
Caribou Range:	<input type="text"/>	Piping Plover Waterbodies:	<input type="text"/>
Colonial Nesting Birds:	<input type="text"/>	Sensitive Amphibians Ranges:	<input type="text"/>
Eastern Short-horned Lizard Range:	<input type="text"/>	Sensitive Raptor Range:	<input type="text"/>
Endangered and Threatened Plants Ranges:	<input type="text"/>	Sensitive Snake Species Range:	<input type="text"/>
Greater Sage Grouse Habitat and Buffer:	<input type="text"/>	Sharp-tailed Grouse Leks and Buffer:	<input type="text"/>
Greater Sage Grouse Leks and Buffer:	<input type="text"/>	Sharp-tailed Grouse Survey:	<input type="text"/>
Grizzly Bear Zone:	<input type="text"/>	Special Access Area:	<input type="text"/>
Key Wildlife and Biodiversity Areas:	<input type="text"/>	Swift Fox Range:	<input type="text"/>
Mountain Goat and Sheep Areas:	<input type="text"/>	Trumpeter Swan Waterbodies/Watercourse:	<input type="text"/>
Ord's Kangaroo Rat Range:	<input type="text"/>		

Water	
Proximity to Waterbody:	Industry will ensure that the Watercourse/Waterbodies standards and conditions as defined within the Integrated Standards and Guidelines are followed. To ensure these setbacks and buffers are addressed and maintained, it is recommended that a pre-site assessment occur.

Grassland and Parkland Natural Region:	
Grassland and/or Parkland Natural Region:	<input type="text"/>

Federal Orders:	
Greater Sage Grouse:	<input type="text"/>

Landscape Analysis Tool Report

 000003B69D
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<u>Quarter</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Meridian</u>	<u>Road Allow.</u>	<u>Sensitive Features by Quarter Section</u>
NE	33	39	8	5		
NE	34	39	8	5		
NW	34	39	8	5	RW	
NW	34	39	8	5		
NE	35	39	8	5		

NE	33	39	8	5		
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NE	34	39	8	5		
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NW	34	39	8	5	RW	
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NW	34	39	8	5		
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NE	35	39	8	5		
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Landscape Analysis Tool Report

<p>NW 35 39 8 5 RW</p>	
<p>NW 35 39 8 5</p>	
<p>NW 1 40 8 5 RW</p>	
<p>NW 1 40 8 5</p>	
<p>NE 2 40 8 5</p>	

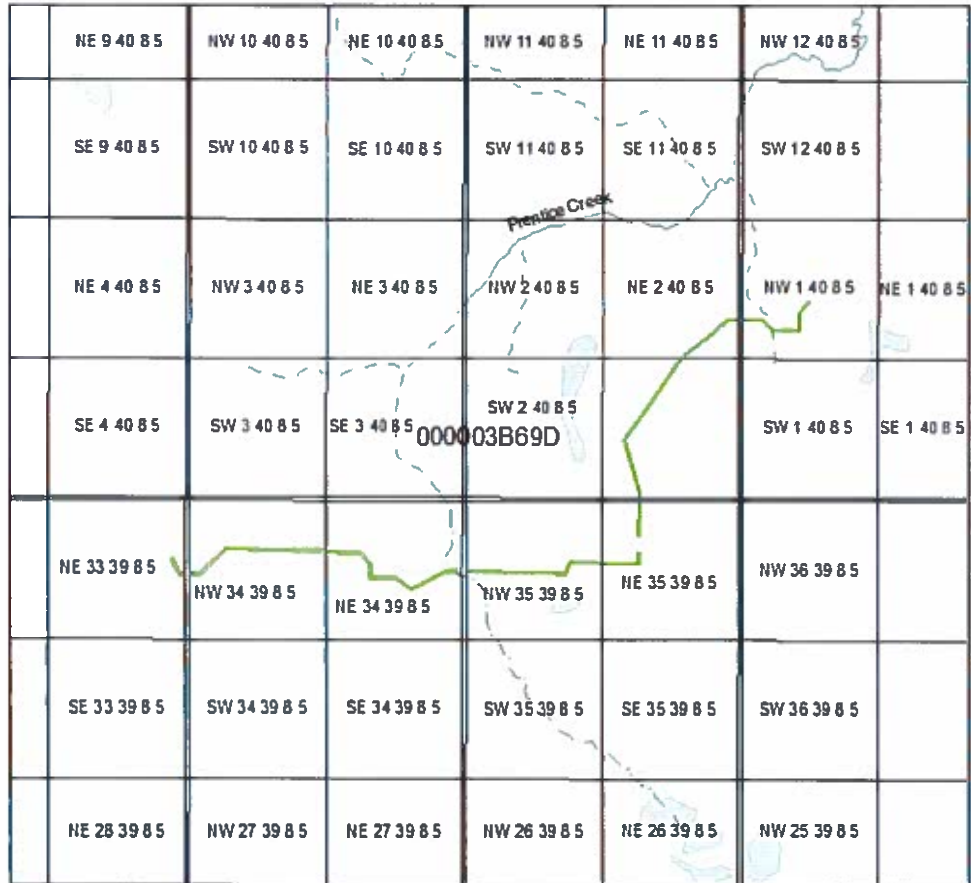
Landscape Analysis Tool Report

<table border="1"><tr><td>SE</td><td>2</td><td>40</td><td>8</td><td>5</td><td>RS</td></tr></table>	SE	2	40	8	5	RS	
SE	2	40	8	5	RS		
<table border="1"><tr><td>SE</td><td>2</td><td>40</td><td>8</td><td>5</td><td></td></tr></table>	SE	2	40	8	5		
SE	2	40	8	5			

Landscape Analysis Tool Report

Legend

-  ATS Township
-  Canal
-  Dugout
-  Icefield
-  Islands
-  Lagoon
-  Perennial Lake
-  Recurring Lake
-  Perennial Oxbow
-  Recurring Oxbow
-  Quarry
-  Reservoir
-  River
-  Wetland



Landscape Analysis Tool Report

Provincial Section Approval Standards and Operating Conditions

Approval Standards

100.1.1.

Location of proposed developments shall be sited as follows, unless alternative siting can be supported by Regulated Industry Standards:

- a. New linear developments shall:
 - i. Use existing unoccupied linear disturbances (> 4 metres wide), unless doing so results in greater disturbance (i.e., footprint hectares), and/or negative environmental impacts (e.g., impacting sensitivities), or;
 - ii. Adjoin existing occupied linear industrial dispositions, unless doing so results in greater disturbance (i.e., footprint hectares), and/or negative environmental impacts (e.g., impacting sensitivities), or;
 - iii. With the exception of pipelines, use surveyed road allowances, unless doing so results in greater disturbance (i.e., footprint hectares), and or negative environmental impacts (e.g., impacting sensitivities). ROW width shall not exceed the government road allowance width.

100.1.6

Pipeline Right of Way (ROW) widths shall not exceed the limits listed below, unless alternative ROW widths can be supported by Regulated Industry Standards. Variable width is preferred:

- a. Cross Country
 - i. Conventional Pipelines with an outside diameter > 200 millimetres: the ROW width shall not exceed 20 metres.
 - ii. Conventional Pipelines with an outside diameter < 200 millimetres: the ROW width shall not exceed 15 metres.
 - iii. Multi-pipe installation projects within a single ROW width shall not exceed 20 metres.
- b. Adjoining Existing Linear Disturbances
 - i. Proposed pipelines adjoining existing linear disturbances, excluding pipelines, shall not exceed 10 metres disposition width.
 - ii. Proposed pipelines adjoining existing pipeline disturbances shall not exceed 15 meters disposition width.
 - iii. Multi-pipe installation projects within a single ROW width adjoining existing linear disturbances shall not exceed 20 metres.
 - iv. Effort will be made to gain approval (documented) from the adjacent disposition holder to utilize portion(s) of their disposition for temporary work space.
- c. All pipelines shall be installed consistent with ERCB Directive 056 - Energy Development Applications and Schedules. To access the directive, search for "Directives" on ercb.ca, and Alberta Environment's Water Act, Water (Ministerial) Regulation, and the appropriate Code of Practice related to pipelines. To access codes of practice, search for "Water Codes of Practice" on srd.alberta.ca.

100.1.7

Pipeline replacement shall occur within the original approved Right of Way (ROW).

Landscape Analysis Tool Report

100.1.8

Where materials are available, rollback shall be applied as follows, unless alternative methods can be supported by Regulated Industry Standards:

- a. Place rollback across the entire pipeline/easement width for a distance of at least 200 metres from all points of intersection with wellsites, plant sites, roads and permanent watercourses.
- b. Place rollback across the entire pipeline/easement width on all slopes greater than or equal to 10%.
- c. Rollback on lands under agricultural disposition (grazing lease, farm development lease) will only be applied after obtaining consent from the disposition holder.
- d. In substitution of a proportion of rollback, use dog-legs, directional drilling, or other techniques to retain at least 50 metres of forest cover (where it exists) to block line-of-sight and vehicle access at all points of pipeline/easement intersection with all permanent watercourses and roads.
- e. No rollback shall occur on wildfire control breaks, containment lines or other designated debris free locations identified in a Wildfire Management Plan or FireSmart Plan.

100.1.9

Incidental Activities that fall within the sizing parameters, as defined within the PLAR Approvals and Authorizations Manual - 2013 shown at the time of application for a short term disposition shall be valid for the term of the short term disposition. To access the PLAR Approvals and Authorizations Manual - 2013, search "PLAR Approvals and Authorizations Manual - 2013" on srd.alberta.ca.

100.1.11

Where an Integrated Resource Plan or a Reservation/Protective Notation identifies a greater set back, the greater set back shall prevail.

100.1.13

Where a Higher Level Plan exists, the direction provided shall be followed. To access a list of Higher Level Plans, see Appendix B.

100.2.1

All cleared pipeline right-of-ways (ROW) shall be re-vegetated.

- a. Pipeline vegetation removal associated with step-out or wildcat wells shall not start until it is known that the activity is required based on a producing well.
- b. For in-field wells, pipeline vegetation removal may occur concurrently with wellsite clearing. The pipeline right of way of all non-producing wells shall be reclaimed within 3 years of entry date.

100.3.1

Permafrost degradation is not permitted. Onsite permafrost depth must be maintained to the same depth as offsite control.

100.3.2

In permafrost areas, the surface shall not be stripped.

Landscape Analysis Tool Report

100.4.1

Resource extraction activities on islands and the bed and shore of waterbodies and watercourses is prohibited.

100.4.2

Activities shall not interrupt natural drainage (including ephemeral and fens), block water flow or alter the water table.

100.4.4

The following watercourse setbacks for all activities from the disposition edge (MSL or PIL), or paralleling linear dispositions (PLA or LOC), or pipeline bore site (PLA), shall be followed, except for vehicle or pipeline crossings:

- a. Intermittent watercourses and springs shall have a setback of at least 45 metres from the top of the break.
- b. Small Permanent watercourses shall have a setback of at least 45 metres from the top of the break.
- c. Large Permanent watercourses shall have a setback of at least 100 metres from the top of the break.

100.4.5

The following waterbody setbacks for all activities from the disposition edge (MSL or PIL), or paralleling linear dispositions (PLA or LOC), or pipeline bore site (PLA), shall be followed:

- a. A minimum setback of 45 metres of undisturbed vegetation shall be maintained from non-permanent seasonal wetlands.
- b. A minimum setback of 100 metres from the bed and shore of semi-permanent ponds/wetlands and shallow open water ponds and lakes.

100.4.6

The number of crossings shall be minimized, unless doing so results in greater disturbance (i.e., footprint hectares) and/or negative environmental impacts (e.g., impacting landscape sensitivities) than creating a new crossing.

100.4.7

All crossings shall maintain fish passage. Crossings shall be compliant with the departments Code of Practice under the Water Act, Water (Ministerial) Regulation.

100.4.8

Large and small permanent watercourses shall be bored unless geotechnical data indicates unsuitable bore conditions or watercourses are non-fish bearing

Landscape Analysis Tool Report

100.8.1

Locate activities away from important wildlife features including mineral licks, raptor nests, active den sites, and hibernacula by a minimum buffer distance of 100 metres. A wildlife sweep of the immediate area (site plus 100 metres) is required prior to construction to identify these important wildlife features. All observations must be reported to the regional ESRD Wildlife Biologist, the Alberta Energy Regulator and entered into the Fisheries and Wildlife Management Information System (FWMIS). Buffer distances will be greater for identified sensitive species and features (Subsection 100.9.1.).

Operating Conditions

200.1.3

Locate temporary activities adjacent to permanent, all-weather access or to existing industrial dispositions.

200.1.8

Any identified improvements (e.g., fences, water control structures, and signage) that were damaged as a result of industry activities on the land shall be repaired and/or replaced to pre-existing condition within 30 days of entry or immediately if occupied by livestock.

200.1.10

The application of rollback within FireSmart Community Zones shall be determined through the Consultative Notation (CNT) process.

200.1.11

In addition to the operating conditions in this document, all activities shall be coordinated through Energy Industry Control at (780) 842-5850 for activity on Canadian Forces Base/Area Support Unit, Wainwright, and (780) 573-7206 for activity on Canadian Forces Base/Area Support Unit, Cold Lake.

200.1.12

Concurrent construction of a pipeline prior to proven results shall only be permitted for in-field wells where a high degree of production certainty can be demonstrated.

200.1.13

The disposition holder shall comply with all consultation requirements and direction provided by the regulatory body, including direction provided in Appendix A (Reservations and Notations) and in Appendix B (Higher Level Plans) of this document for all activities occurring within the identified lands.

200.2.1

Manage all weeds as per the Weed Control Act.

Landscape Analysis Tool Report

200.2.2

Vegetation control (mechanical - mowing/brush control) along linear ROWs shall not occur between May 1st and July 31st, notwithstanding the need to comply with the Weed Control Act with the following exception: in the Grassland and Parkland Natural Regions, vegetation control between May 1st and July 31st for vehicle access, is limited to mowing no more than a 4 metre width centred on the driving lane.

200.2.4

Vegetation control along pipelines is permitted to a maximum of 3 metres, centred on the pipeline, notwithstanding the requirement to control weeds as per the Weed Control Act.

200.2.5

Chemical application, for the purpose of vegetation control, shall not occur within 30 metres of any waterbody or watercourse, unless otherwise authorized.

200.2.7

Natural recovery (a technique for reclaiming sites by allowing the land to re-vegetate naturally (without seeding) by conserving and replacing reclamation material) shall be used for activities on native landscapes forested and peatlands for all areas of the site, not required for operations or padded with clay. Natural recovery is to be implemented within 6 months of completions (post-drill) and for sites that have been prepared but not drilled within 6 months of construction. Assisted natural recovery on native grasslands, forested or peatland sites is allowed on high erosion sites, or sites prone to weeds, or agronomic invasion, or padded sites (forested and peatland).

- a. During assisted natural recovery, on Native Grassland and Parkland sites, refer to 200.10.3.
- b. During assisted natural recovery on forested and peatland sites when reseeding with herbaceous seed native to the Natural Subregion or agronomic annuals and seed mixes as approved by the regulatory body shall be free of the species listed in the Weed Control Act. A seed certificate (under the rules and regulation of the Canada Seeds Act) for each species shall be provided, to the regulatory body, upon request.
- c. On forested and peatlands, assisted natural recovery can be used for planting woody species for the purpose of accelerated reclamation. The woody species must be native to the Natural Subregion and follow the Alberta Forest Genetic Resource Management and Conservation Standards.

200.2.8

When seeding pasture or cultivated lands, the agronomic or forage seed shall meet or exceed Certified #1 as outlined in the Canada Seeds Act and Seeds Regulations. Seed mixes are to be free of species listed in the Weed Control Act. A seed certificate (under the rules and regulation of the Canada Seeds Act) for each species shall be provided to the regulatory body, upon request.

200.2.9

Revegetation with trees or shrubs within the Green Area shall be consistent with the Alberta Forest Genetic Resource Management and Conservation Standards document. To access the document, search "Alberta

Landscape Analysis Tool Report

Forest Genetic Resource Management and Conservation Standards" on.srd.alberta.ca.

200.2.10

Merchantable timber shall be salvaged unless a request for waiver is approved by regulatory body.

200.2.11

Timber salvage shall be conducted according to the utilization standards for the overlapping timber disposition(s) (i.e., FMA, CTL, DTL) or, where no overlapping timber disposition exists, as per the Alberta Timber Harvest Planning and Operating Ground Rules. To access the document, search "Alberta Timber Harvest Planning and Operating Ground Rules" on srd.alberta.ca

200.3.1

Activity shall be suspended during adverse ground conditions.

200.3.2

Soil and surface erosion and sedimentation shall be prevented and controlled on all disturbed lands.

200.3.3

Soil shall not be removed from the disposition unless authorized. This includes all soil horizons and all soil types (e.g. leaf litter, organic soils such as muskeg, and clay fill material are all included).

200.3.4

Where soil stripping occurs, salvage all topsoil (typically includes forest floor and/or A horizon). Where two-lift stripping occurs, topsoil and part or all of the upper subsoil (B horizon) must be stripped and stored separately.

- a. Where topsoil is less than 15 centimetres, conservation shall include the topsoil plus part of the upper subsoil (B horizon) up to a total depth of 15 centimetres (unless the B horizon is considered unsuitable chemically or physically).
- b. On forested sites where site infrastructure can be constructed on the upper subsoil (B), two-lift stripping may not be necessary but the upper subsoil shall not be degraded.

200.3.5

Store reclamation materials separately (topsoil, subsoil, and coarse woody debris) on the disposition, such that it can be distributed evenly over the disturbed area for progressive (interim) and/or final reclamation.

200.3.6

Wood chips shall not be mixed with forest floor and/or surface soil.

200.3.7

Storage piles/windrows shall not encroach into standing timber.

200.3.8

Disposal pits, required in connection with the activity, shall be located in impermeable soil. Where impermeable soil is not available, impermeable tanks may be used to collect all waste and then dispose of at

Landscape Analysis Tool Report

an authorized waste disposal facility.

200.3.9

Soil sterilants are prohibited.

200.3.10

All spoil material excavated from the pipeline trench shall be returned to the trench in a manner that there is no pooling of water or erosion occurring on the surface. The maximum height of crown (roach) shall not exceed 60 cm on frozen soils and 30 cm on dry or non-frozen soils. Breaks in pipeline roaches shall occur as to not impede water drainage and allow for passage of water.

200.3.12

Soil rutting shall not occur on minimal disturbance sites.

200.3.13

In permafrost areas, utilize snow (natural or man-made) to establish a level surface.

200.4.1

Activities shall not result in the deposition or placement of debris, soil or other deleterious materials into or through any watercourse and/or waterbody, or on the ice of any watercourse and/or waterbody.

200.4.2

Keep watercourse crossings free of accumulated debris or ice that could impede the flow of water and subsequently cause erosion.

- a. Remove ice-dams from culverts. Culverts plugged with ice are to be re-opened to prevent flooding over the road, through the ditch, or around the crossing structure.
- b. Remove debris that compromises water flow immediately upstream from or under crossing structures.

200.4.4

Where crossings have been removed, the bank or shoreline of all affected watercourses and/or waterbodies shall be immediately stabilized and/or alterations or modifications to the bank or shoreline shall be restored.

200.4.5

Access (off-disposition) for water withdrawal requires an Approval or Authorization from the regulatory body.

200.4.6

Bridge abutments shall not constrict the normal watercourse channel. Bridge spans shall extend beyond stream banks and abutment walls.

200.4.7

Water from roads, ditches and bared soil surfaces are not to be permitted to drain directly into watercourses. Where vegetated buffers alone do not retard water and sediment movement effectively, appropriate obstructions (e.g., logs, rocks, mounds) or sediment control structures shall be installed to dissipate the flow of water and capture sediment prior to entering the watercourse.

Landscape Analysis Tool Report

200.4.8

Watercourse structures shall be maintained to prevent sedimentation and erosion.

200.4.9

Erosion control measures (e.g., silt fences, matting, gravel, and check dams) shall be installed and maintained.

200.4.10

A horizontal directional drill frac containment and clean-up specialist shall be on-site during all boring or directional drilling activities under permanent watercourses. All equipment required for containment and clean-up shall also be present.

200.5.1

Conduct progressive reclamation and interim clean-up, including built but not drilled sites, for the wellsite and all associated disturbances (log decks, remote sumps, campsites, borrow sites, etc) of that disposition as per External Directive SD 2010-02 Progressive Reclamation and Interim Clean up. To access the directive, search "External Directive SD 2010-02 Progressive Reclamation and Interim Clean up" on srd.alberta.ca.

200.5.2

For final reclamation, follow the Reclamation Criteria for Wellsites and Associated Facilities documents. To access the documents, search "Wellsite Reclamation Certificate Application Process" on srd.alberta.ca

Sensitivity Section Approval Standards and Operating Conditions

Land Description

SRD PLAN NUMBER: 96852 P, 2015-12-09

PURPOSE: PIPELINE - PNG or OIL SANDS PIPELINE

Affected Lands:

Qtr/LS	Sec	Twp	Rge	Mer	Qtr/LS	Sec	Twp	Rge	Mer
NE	33	39	8	5	NW	34	39	8	5
NE	34	39	8	5	NW	35	39	8	5
NE	35	39	8	5	SE	2	40	8	5
NE	2	40	8	5	NW	1	40	8	5

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Non-Standard Mitigation Supplement

All sections within the Non-Standard Mitigation Supplement form are to be completed as per the Instructions for completing Supplements under the Enhanced Approvals Process. Any information provided within this supplement must address the approval standards and operating conditions as identified by the Landscape Analysis Tool (LAT) and any deviation from said standards require the applicant to apply 'Non-Standard' and attach the additional Non-Standard Mitigation Supplement to their application.

Failure to fill out the document and form(s) completely will result in the application being rejected.

Date:

New Supplement

Revised Supplement

Project Name:

LAT Number:

A. Non-Standard Rationale

1. Provide rationale and justification in detail as to why your company is proceeding with the Non-Standard application process:

The pipeline from 16-33-39-8 W5M to 12-1-40-8 W5M is being submitted as a Non-Standard application as it will not meet approval standard 100.1.1) ii) adjoin existing occupied linear industrial disturbances and standard 100.1.9) temporary workspace sizing parameters.

Approval Standard 100.1.1 a)ii): The proposed right-of-way does not adjoin existing linear industrial dispositions for approximately 1 km in NE 34-39-8 W5M, as there are no appropriate disturbances to follow and the highway has a setback of 30m. In NE 35-39-8 W5M and SE 2-40-8 W5M linear disturbances are not followed as the route is chosen to minimize overall surface footprint based on the wells that are to tied-in to the pipeline. If the route were to follow the existing disturbance the pipeline route would be longer overall with a greater cover loss due to the zig-zagging that would occur.

Approval Standard 100.1.9: Six temporary workspaces (WS19, WS45, TA1, TA2, TA3, TA4) are greater than the sizing parameters as defined within the PLAR Approvals and Authorization Manual - 2013.

WS19 is to facilitate the construction of an access road crossing, bend, and highway crossing in NE 35-39-8 W5M. WS45 will be cleared for preparing the drag section for an access road/powerline/multiple pipelines crossing in NW 1-40-8 W5M.

TA1 through TA4 are already cleared access trails that will be used to access the pipeline route from highway 11 to minimize traffic along the pipeline route and to minimise new temporary watercourse crossings. No new clearing will be conducted, and some portions of these access points are already held under industrial disposition, (i.e. third party MSL).

A temporary field authorization (TFA) will be required for these temporary workspaces.

B. Mitigation Strategies

- 1. List any standards that your company intends not to follow, along with the strategies that are proposed to mitigate and meet the intent and objectives of the standards not being followed:

Specific Standard #: 100.1.1 a) ii)

Mitigation Strategy: The proposed development does not adjoin existing linear dispositions for portions of the route because of regulatory and construction limitations. The area not adjoining the right-of-way will result in a reduced project footprint, and therefore, meets the intent and objective of the standard. Rollback will be installed where clearing occurs.

Rollback will be installed in such a way to deter use of the cleared areas by the public, especially those areas next to the highway.

Specific Standard #: 100.1.9

Mitigation Strategy: Six temporary workspaces (WS19, WS45, TA1, TA2, TA3, TA4) are greater than the sizing parameters as defined within the PLAR Approvals and Authorization Manual - 2013. The temporary workspace is needed to provide additional space for pipeline, road and watercourse crossings, as well as construction access and safe construction practices. Overall permanent land disturbance will be minimized by using only 10 m of right-of-way for much of the project. Where possible, temporary workspace will be minimized, and clearing has been minimized by siting temporary workspace in areas that have been previously cleared for industrial use, where possible and practical. Rollback will be installed where clearing occurs. A temporary field authorization (TFA) will be acquired for all temporary workspace not approved under the EAP.

Specific Standard #:

Mitigation Strategy:

Specific Standard #:

Mitigation Strategy:

Specific Standard #:

Mitigation Strategy:

Specific Standard #:

Mitigation Strategy:

Specific Standard #:

Mitigation Strategy:

Specific Standard #:

Mitigation Strategy:



C. Mitigation Discussions

1. Were the proposed strategies discussed with staff of the regulating body?

If Yes, provide the name of who was contacted and when:

Contact Name: Date:

Contact Name: Date:

Contact Name: Date:

Discussion comments and/or resolutions if any:

D. Additional Operational Provisions

Based on the discussions with the regulatory body, in addition to the identified mitigation strategies, the following additional operational provisions as identified are to be implemented during the construction and operation of this disposition:

NOW THEREFORE the Regulator has by its duly authorized representative executed this disposition on the date noted below



Elizabeth Grilo
Director Land Use, Authorizations Branch, Alberta Energy Regulator

UserName: Mike.J.Taylor2

Title:

Date: Friday, 04 March 2016, 10:16 AM Mountain Daylight Time

Meaning: Authorization for Land Disposition

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