



**MINISTER OF
MINERAL RESOURCES**

Legislative Building
Winnipeg, Manitoba CANADA
R3C 0V8

THE OIL AND GAS ACT

PIPELINE CONSTRUCTION PERMIT No. 2014-01

**PIPELINE from 11-30-1-25 WPM to 14-19-1-25 WPM
TUNDRA ENERGY MARKETING LIMITED**

WHEREAS, Tundra Energy Marketing Limited (TEML) made application under Section 149 of The Oil and Gas Act ("the Act") for authorization to construct a crude oil pipeline that starts at the 11-30-1-25 WPM battery and terminates at the riser located at 14-19-1-25 WPM. This line will tie-in a pre-existing pipeline.

AND WHEREAS, notice of the application was published by Manitoba Mineral Resources and sent to all landowners and other parties who may be affected by the application;

AND WHEREAS, the Minister has considered representations and recommendations received as a result of notice of the application and is satisfied the application complies with the Act and that construction of the pipeline is consistent with the principles of sustainable development;

AND WHEREAS, Subsection 149(4) of the Act provides as follows:

149 (4) The minister may, in accordance with the regulations, issue a pipeline construction permit on such terms and conditions as the minister considers necessary or advisable.

AND WHEREAS, Subsection 149(5) of the Act provides as follows:

149 (5) Where the minister issues a pipeline construction permit under subsection (4), the minister shall, in accordance with the regulations, fix the route of the pipeline.

THEREFORE, the Minister approves construction of the pipeline in accordance with the following terms and conditions:

1. The permittee shall design and construct the pipeline in accordance with the most recent version of CSA Standard Z662- Oil and Gas Pipelines Systems, CSA Standards Z245.1- Steel Line Pipe and other applicable standards and the specifications, drawings and other information and data set forth in its application.
2. The permittee shall obtain the approval of the owner and any occupant in accordance with Subsection 151(2) of the Act, prior to entering on any land for the purpose of constructing the pipeline.
3. Schedule A shows the final approved route of the pipeline.
4. The permittee shall not make any modifications to the pipeline without the approval of the Director. The Minister's authority under Subsection 150(1) of the Act is delegated to the Director pursuant to Order in Council 384/2011.
5. The permittee is to notify the Waskada District Office of the Petroleum Branch ("District Office"):
 - a. Not less than 7 days prior to commencing construction; and
 - b. Immediately in the event of an accident.
6. The permittee shall carry out all excavations in accordance with Manitoba Labour and Immigration's Guidelines for Excavation Work. An excavation permit shall be obtained from the District Office.
7. The permittee shall develop and implement an Emergency Response Plan for construction of the pipeline. A copy of this should be presented to the District Office for reference.
8. This construction permit does not imply consent or approval for proposed crossings of highways, provincial roads, municipal roads, railways, utility, waterways or other pipelines or flowlines. Separate crossing agreements, permits or licenses must be arranged with the appropriate authority or owner.
9. The permittee shall minimize the transfer of soil from one property owner to another with adherence to the *MAFRD Recommended Field Protocols to Reduce Soil Movement*. A copy of the protocol is attached as Schedule A to this permit.
10. The permittee may require authorization under *The Water Rights Act* for the withdrawal of water for hydrostatic testing. The proponent shall contact Mr. Rob Matthews, Manager, Water Use Licensing Section, Manitoba Water Stewardship, telephone: (204) 945-6118 at least 2 weeks in advance of the anticipated usage date.
11. The permittee will require authorization from Manitoba Water Stewardship, prior to the discharge of hydrostatic test water. A contact person is Ms. Elaine

Page, Acting Manager, Water Quality Management Section, Manitoba Water Stewardship; telephone: (204) 945-5344.

12. The permittee shall not commence operation of the pipeline until a pipeline operating licence under Section 152 of the Act has been issued.

Dated the 10 day of March, 2014



Honourable Dave Chomiak
Minister Mineral Resources

MAFRD Recommended Field Protocols to Reduce Soil Movement

Purpose:

Ensure individuals who are requested or required to enter crop production fields are following proper stewardship protocols to minimize the spread of pests to uninfected fields.

Background:

Soil-borne pests are problematic because of persistence in soils, and limited crop protection products (e.g. clubroot, soybean cyst nematode). Without soil analysis with the quantification of presence/absence of a pest, to reduce risk of spread, precautions must be taken to minimize the transfer of soil and to disinfect the soil which might be transferred.

1. Field Entry

- Before field entry, make farmer/landowner aware of the steps that are being undertaken to limit the spread of soil and soil-borne pests
- Whenever possible, field visits or inspections should be done on foot
- Vehicles should be parked, on the municipal road or in the approach and not in fields
- When doing field inspections with a grower, if required to travel in a vehicle, travel in the grower's vehicle.
- Try to reduce field visits when the field is muddy

2. Personal Protective Clothing

- Disposable boots or Rubber-soled footwear that can be cleaned (rubber soled shoes/boots or rubber boots) and disinfected between fields should be worn.
 - Non-disposable footwear should be scraped clean of visible soil, washed and disinfected before next field.
 - **Disinfectants** may be carried in a household spray bottle (1L) or garden spray contained (5L) and can include 1-2% bleach solution, 1% Virkon
- Disposable gloves and coveralls should be used, if not hands (and any other body parts) that may be covered with soil should be washed/cleaned and a hand sanitizer used before leaving the field.

3. Small Tool, Vehicle and Equipment Sanitation

- Steps for sanitation of small tools, vehicles and field equipment is the same. Upon leaving the field you should:
 - Rough clean, which includes knocking or scraping off soil clumps, then
 - Fine cleaning, using compressed air to blow off remaining soil or washing with water to rinse off remaining soil. Preferred to be at field approach, but could be done at a nearby carwash (tires, wheels and undercarriage, especially wheel wells and anywhere else mud may have stuck), then
 - Spray down with disinfectant, coating all surfaces

4. Documentation

- Prevention steps followed should be documented at the end of every field visit/inspection in case there are any subsequent questions or concerns. Records are to be maintained by the individual.

For more information contact Vikram.Bisht@gov.mb.ca, MAFRD Crop Pathologist

MAFRD Field Bio-Security Checklist

Date of Field Visit: _____

Staff Name: _____

Crop Type: _____

Field Information

Legal Location (or GPS): _____

Producer/Landowner:

• Name _____

• Phone Number _____

	Yes	No	Comments
1. Were field conditions wet or muddy?			
2. Did you meet with the producer/ landowner to discuss protocols prior to field entry?			
3. Did you enter the field with your vehicle or any field equipment? (if no, go to #7)			
4. Was your vehicle and/or field equipment clean prior to field entry?			
5. Did you clean your vehicle and/or field equipment at field exit prior field exit?			
6. Did you wash/disinfect your vehicle/field equipment after leaving, but prior to next field visit?			
7. Did you wear disposable booties or wear clean footwear into the field?			
8. Did you wear any other protective clothing (e.g. disposable coveralls, gloves)?			
9. Did you clean and disinfect footwear and/or dispose of disposable booties and clothing properly, upon field exit?			
10. Did you clean and disinfect any tools used, both prior to and after visiting the field?			
11. Did you wash your hands, etc. That may have come into contact with soil? Did you wear gloves while working in field?			
12. What disinfectant was used?			

MLS AFFIDAVIT

OWNER:
TUNDRA ENERGY MARKETING LTD.

CROSSING TABLE

Structure	Description	Status	Location
1	20m. R/W	As Shown	1.01 km
2	20m. R/W	As Shown	1.01 km
3	20m. R/W	As Shown	1.01 km
4	20m. R/W	As Shown	1.01 km
5	20m. R/W	As Shown	1.01 km
6	20m. R/W	As Shown	1.01 km
7	20m. R/W	As Shown	1.01 km
8	20m. R/W	As Shown	1.01 km
9	20m. R/W	As Shown	1.01 km
10	20m. R/W	As Shown	1.01 km

Total length of right-of-way along posted boundary: 1.01 km

Crossings associated with this drawing: 9

Crossing plates required: 9

LEGEND

--- Proposed Right-of-Way Boundary

--- Proposed Right-of-Way Boundary

--- Proposed Right-of-Way Boundary

NOTES

1. All dimensions are in meters unless otherwise specified.

2. All dimensions are to be in accordance with the proposed plan.

3. All dimensions are to be in accordance with the proposed plan.

DISCLAIMER

This plan represents the best information available to the proponent, Atlas Commercial and the engineering team at the time of preparation. It is not intended to be a warranty of any kind. The proponent and the engineering team accept no liability for any errors or omissions in this plan. The proponent and the engineering team accept no liability for any errors or omissions in this plan.

TUNDRA ENERGY MARKETING LTD.

from 11-30-1-25WPM (battery site) to 14-19-1-25WPM (fries site)

CONSTRUCTION PLAN

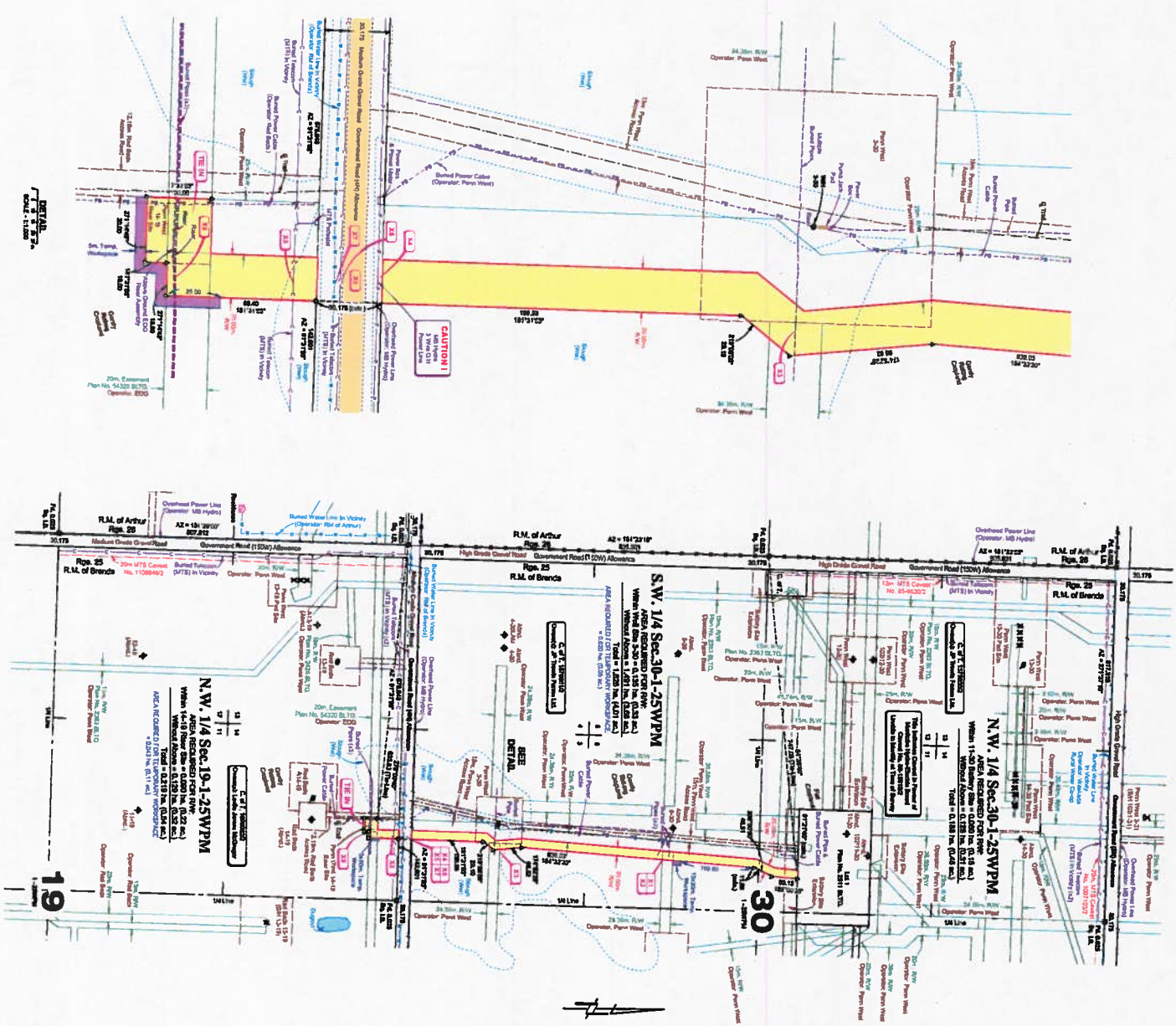
RIGHT-OF-WAY

With
N.W. 1/4 Sec. 19
&
W. 1/2 Sec. 30
Twp. 1 - Rge. 25WPM

Waskada Area
Rural Municipality of Branda
2013

Scale: 1:5000

Atlas Commercial Ltd.
Engineering Division



DETAIL
Scale: 1:5000