

# Upstream Oil and Gas Facility Licence

## Application Information and Completeness Check

The applicant certifies that the information herein and all supporting documentation is correct and that the facility will be constructed and operated in accordance with all regulatory requirements including the required consents. This information is required pursuant to *The Oil and Gas Conservation Act* and regulations and orders thereunder.

### APPLICANT INFORMATION

Company Name \_\_\_\_\_

Company/Agent Contact \_\_\_\_\_

Company/Agent Contact Title \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ Province \_\_\_\_\_ Postal Code \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-Mail Address \_\_\_\_\_

### COMPLETENESS CHECK

Check off the sections completed and any fees, plans, or diagrams included.

- |  |   |
|--|---|
| <input type="checkbox"/> <b>First Time Licensee Fee (\$10,000.00)</b>            | <input type="checkbox"/> <b>Section 8 - Cumulative Gas Handling Information</b>                     |
| <input type="checkbox"/> <b>Section 1 - Participant Involvement Requirements</b> | <input type="checkbox"/> <b>Section 9 - Natural Gas Compressors</b>                                 |
| <input type="checkbox"/> <b>Section 2 - Application Type</b>                     | <input type="checkbox"/> <b>Section 10 - Material Handling History</b>                              |
| <input type="checkbox"/> <b>Section 3 - Facility Type</b>                        | <input type="checkbox"/> <b>Section 11 - Detailed Facility Emergency Response Information (ERI)</b> |
| <input type="checkbox"/> <b>Section 4 - Facility Design Criteria</b>             | <input type="checkbox"/> <b>Survey Plan - SLSA Certified Land Survey</b>                            |
| <input type="checkbox"/> <b>Section 5 - Gas Treating/Processing Facilities</b>   | <input type="checkbox"/> <b>Equipment Spacing Diagram - Scaled Diagram</b>                          |
| <input type="checkbox"/> <b>Section 6 - H<sub>2</sub>S Information</b>           | <input type="checkbox"/> <b>Process Flow Diagram</b>  |
| <input type="checkbox"/> <b>Section 7 - Continuous Emissions</b>                 |   |

# Upstream Oil and Gas Facility Licence

## Part One

### 1. PARTICIPANT INVOLVEMENT REQUIREMENTS

Distance to the nearest occupied dwelling: \_\_\_\_\_ m

Distance to the nearest public facility: \_\_\_\_\_ m

The applicant is a good standing member of a Spill Response Unit:

YES  NO  N/A

### 2. APPLICATION TYPE

New Licence

Licence Amendment

\_\_\_\_\_ licence number

### 3. FACILITY TYPE

Facility Location

0      
 LSD SEC TWP RGE W M

Lease Size: \_\_\_\_\_ ha

MRO: \_\_\_\_\_  
(if applicable)

ECON Designated Field Area:

Lloydminster

Kindersley

Swift Current

Estevan

ECON Facility Type Code:

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

Description of Facility Type:

### 4. FACILITY DESIGN CRITERIA

Total Design Inlet Rates	Associated/Raw Gas * _____ 10 <sup>3</sup> m <sup>3</sup> /d	Oil/Condensate _____ m <sup>3</sup> /d	Water _____ m <sup>3</sup> /d	Sulphur _____ t/d
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\* The Associated or Raw Gas Rate Should Equal The Sum Of The Cumulative Gas Rates In Section 8 Of The Application

Estimated Total Recovered Products (Gas processing plants only)	Sales Gas _____ 10 <sup>3</sup> m <sup>3</sup> /d	C <sub>2</sub> _____ m <sup>3</sup> /d	C <sub>3</sub> _____ m <sup>3</sup> /d	C <sub>4</sub> _____ m <sup>3</sup> /d	C <sub>5</sub> + _____ m <sup>3</sup> /d
	Sulphur _____ t/d	C <sub>2</sub> + mix _____ m <sup>3</sup> /d	LPG mix _____ m <sup>3</sup> /d	C <sub>2</sub> Component of C <sub>2</sub> + mix _____ m <sup>3</sup> /d	

**5. GAS TREATING/PROCESSING INFORMATION**

Sweetening Process:  Regenerative  Nonregenerative  N/A

Acid Gas Volume: \_\_\_\_\_ 10<sup>3</sup> m<sup>3</sup>/d

H<sub>2</sub>S Content of Acid Gas: \_\_\_\_\_ mol/kmol

Acid Gas Recovery Process:  Sub-surface Injection  Sulphur Recovery  Flaring  Incineration  H<sub>2</sub>S Scavenger  
 CO<sub>2</sub> Venting  Others (specify) \_\_\_\_\_

Sulphur Treatment/Recovery Process:  Claus  CBA  MCRC  Superclaus  
 Sulfreen  Others (specify) \_\_\_\_\_

Sulphur Recovery Efficiency \_\_\_\_\_ %  N/A

**6. H<sub>2</sub>S INFORMATION (estimated)**

Maximum H<sub>2</sub>S Content of Inlet Gas/Fluid: \_\_\_\_\_ mol/kmol Maximum Continuous Sulphur Emission Rate: \_\_\_\_\_ t/d

**7. CONTINUOUS EMISSIONS (estimated)**

NO<sub>x</sub> Emissions \_\_\_\_\_ kg/h CO<sub>2</sub> Emissions \_\_\_\_\_ t/d

**8. CUMULATIVE GAS HANDLING INFORMATION (estimated) \*\***

\*\* The Cumulative Gas Handling Information Should Equal the Total Design Inlet Rates of Associated or Raw Gas Rate In Section 4 Of The Application

Maximum Continuous Flaring/Incineration Rate \_\_\_\_\_ 10<sup>3</sup> m<sup>3</sup>/d Maximum Continuous Venting Rate \_\_\_\_\_ 10<sup>3</sup> m<sup>3</sup>/d

Recovered Gas Used as Lease Fuel \_\_\_\_\_ 10<sup>3</sup> m<sup>3</sup>/d Gas Delivered to Market / Injected \_\_\_\_\_ 10<sup>3</sup> m<sup>3</sup>/d

If flaring is greater than .9 10<sup>3</sup> m<sup>3</sup>/d, provide the S-10 approval authorization number (this must be obtained prior to submitting Facility Licence Application) : \_\_\_\_\_

**9. NATURAL GAS COMPRESSORS**

Compressor Rating	Compressor Driver Power Source			NO <sub>x</sub> Emission Rating
	Natural Gas	Electric	Other	
_____ kW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____ g/kWh
_____ kW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____ g/kWh
_____ kW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____ g/kWh <input type="checkbox"/> Table Attached

Total Number of Compressors on site: \_\_\_\_\_ Natural Gas \_\_\_\_\_ Electric \_\_\_\_\_ Other \_\_\_\_\_ Total on-site Compressor Wattage: \_\_\_\_\_ kW

**10. DETAILED MATERIAL HANDLING HISTORY (for existing facilities only)**

- Has an environmental site assessment been completed at the site of this facility? YES  NO
- If No, please complete the following questions:
- Are you currently storing/using PCB containing equipment? YES  NO
  - Are you currently storing/using asbestos containing equipment? YES  NO
  - Have you ever had PCB spills in reportable quantity (1kg)? YES  NO  Don't Know
  - Is there open or buried earthen or flare pits? YES  NO  Don't Know
  - Are you currently storing Naturally Occurring Radioactive Materials (NORM)? YES  NO
  - When was the last time a chemical sterilant was used at the facility? \_\_\_\_\_ YEAR NEVER  Don't Know

**11. DETAILED FACILITY EMERGENCY RESPONSE INFORMATION (ERI)**

**COMPANY CONTACT INFORMATION**

24 Hour Company Emergency Dispatch Number: \_\_\_\_\_

Facility Operator/Contact \_\_\_\_\_

Work Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address \_\_\_\_\_ 24 Hour Telephone \_\_\_\_\_

Emergency Company Contact (2) \_\_\_\_\_

Work Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address \_\_\_\_\_ 24 Hour Telephone \_\_\_\_\_

Emergency Company Contact (3) \_\_\_\_\_

Work Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address \_\_\_\_\_ 24 Hour Telephone \_\_\_\_\_

**LOCAL EMERGENCY CONTACT INFORMATION**

Police/RCMP \_\_\_\_\_

Fire Department \_\_\_\_\_

ECON Representative \_\_\_\_\_

Sask Environment \_\_\_\_\_

Highways & Transportation \_\_\_\_\_

Watershed Authority \_\_\_\_\_

Rural Municipality \_\_\_\_\_

I hereby certify that I am authorized to represent the above mentioned facility owner(s) and I certify that the information submitted herein is correct and accurate to the best of my knowledge.

Name \_\_\_\_\_ Title \_\_\_\_\_

Signature \_\_\_\_\_ Date 

YEAR			MONTH			DAY			

# Upstream Oil and Gas Facility Licence

## APPROVAL OF LICENCE

Based on the information provided on the Upstream Oil and Gas Facility Licence [Part 1] Application, the conditions noted above and any additional conditions provided, this licence is approved pursuant to *The Oil and Gas Conservation Act and Regulations*.

LICENCE NUMBER:

Date of Issue:

LOCATION:

FACILITY TYPE:

### STANDARD CONDITIONS

1. This licence does not grant surface right of entry.
2. Construction on the facility shall be completed within two years from the date of issue.
3. The licensee shall notify the ministry local field office of the completion of facility construction within 48 hours after the completion.
4. Licensee shall notify the rural municipality prior to starting construction.
5. Equipment spacing requirements must be met, in accordance with the Storage Standards Guideline S-01, Appendix 2.
6. Within 30 days after construction has been completed, the licensee must submit to the ministry an as-built equipment spacing diagram, a process flow diagram and an as-built survey (if different from the originals submitted).
7. Operators shall provide an appropriate secondary containment system for storage tanks in accordance with the Storage Standards Guideline S-01 and the facility must be constructed with a perimeter berm if prescribed by the minister.
8. Setback requirements must be met, in accordance to the Storage Standards Guideline S-01, Appendix 1.
9. If the facility has a total daily fluid design throughput less than 350 cubic metres, it must not be constructed within 100 metres of an occupied dwelling, public facility or urban centre. If the facility has a total daily fluid design throughput volume equal to or greater than 350 cubic metres but less than 500 cubic metres per day, it must not be constructed within 300 metres of an occupied dwelling, public facility or urban centre unless a request for an exemption is provided with the facility licence application and is subsequently approved by the ministry.
10. The following facilities:
  - a. an upstream facility with a total daily fluid design throughput volume greater than 500 cubic metres per day;
  - b. a compressor station with a combined power rating of the compressor(s) greater than 186.5 kw (250hp); or
  - c. a gas processing plant; or
  - d. a waste processing facility; or
  - e. any facility, excluding a satellite, where [H<sub>2</sub>S] concentration of inlet gas/fluid is equal to or greater than 10 mol/kilomol as measured at the source of emission or 0.01 mol/kilomol as measured at the edge of the lease; or
  - f. a facility venting and/or flaring greater than 900 cubic metres of gas per day:

must not be constructed within 500 metres of an occupied dwelling, public facility or urban centre unless a request for an exemption is provided with the facility licence application and is subsequently approved by the department.
11. The facility must not be situated on land that floods more frequently than 1 in 100 years.
12. Oilfield waste management requirements must be met, in accordance with the Waste Management Guidelines, SPIGEC 1.
13. Ministry of the Economy (ECON) storage requirements must be met, in accordance with the Storage Standards Guideline S-01.
14. Upstream products or chemicals used in conjunction with the facility must be stored by methods prescribed by the minister.
15. Licensee must have a Corporate Emergency Response Plan (ERP) and a facility specific Emergency Response Information (ERI) form for each licensed facility. Corporate ERP's should be retained by the licensee in their corporate records and where appropriate at their licensed facilities. ERP's should not be submitted to Ministry of the Economy (ECON) head office in Regina. Digital copies of the ERP and facility specific ERI forms should be submitted to the appropriate ECON field office in electronic format.
16. In the event of an incident involving the facility, the Corporate ERP is to be followed by all parties.
17. The facility must meet all current TSASK, SaskPower, SaskEnergy, TransGas, Saskatchewan Watershed Authority, R.M., CSA, API, ULC, OH&S, Ministry of Environment and Ministry of Highways and Transportation standards and any other applicable standards.
18. The licensee of the facility must be a member in good standing with the local spill response unit.
19. Flaring and venting requirements must be met in accordance with the Associated Gas Conservation Standards, Directive S-10. For any sites that have combined routine flaring and venting volumes greater than 900 cubic metres per day, conservation economics must be evaluated and updated every 12 months. Licensees are not required to provide copies of evaluations to ECON unless requested. Upon request, licensee must provide the evaluation to ECON within 5 working days.
20. Flaring and incineration requirements must be met in accordance with Flaring and Incineration Specifications, Directive S-20. If applicable, a vapour recovery unit must be implemented at the facility.
21. Ministry of the Economy (ECON) production measurement requirements must be met.
22. Applicable facilities must comply with the Saskatchewan Upstream Petroleum Industry Guideline to Reduce Emissions from Glycol Dehydrators S-18 and submit an annual dehydrator benzene inventory list.
23. The licensee must obtain a facility ID from PETRINEX in accordance with section 105 of *The Oil and Gas Conservation Regulations, 2012*.
24. The licensee must comply with any special conditions that may be attached as Part Three of this licence.

## Request For Exemptions

### Exemptions

Are there any exemptions to the standard conditions as listed on part two of this application being requested?

YES

NO

If Yes, please complete the table below and provide a written request outlining the reason an exemption is required.

Note: If there are any pre-approved exemptions regarding this licence, complete the table below and attach a copy of the exemption letter provided by ECON.

Standard  
Condition #:

Explanation

_____	_____
	_____
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