

Facility End of Life Liability Estimate Report

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|----------------|-----------------------------|-------------------|----------------|
| Operator: | Tourmaline Oil Corp. (A573) | Facility Code: | ABBT0148745 |
| Licensee: | Tourmaline Oil Corp. (A573) | License Number: | F50583 |
| Facility Name: | Kakwa 07-22-061-05 Oil Mwgb | Surface Location: | 07-22-061-05W6 |

Facility Information

| | | | |
|---------------------|---------------------------------------|-------------------------|---------------------------|
| Sub Type: | Crude Oil Multiwell Group Battery (32 | Design Capacity Rating: | B (50 - 500 m3 fluid/day) |
| EDCT Description: | Multiwell Oil Battery (030) | Maximum H2S Content: | 0 mol/kmol |
| Operational Status: | Issued | Estimated Access Type: | All Season |

Other Facilities Sharing Surface Location:

| No. | Facility Code | Lic Num | Facility Type | Operator/Licensee | Status |
|-----|---------------|-----------|-------------------------------|----------------------|-----------|
| 1 | ABBT0145956 | W 0481773 | Crude Oil Single-Well Battery | Tourmaline Oil Corp. | Suspended |
| 2 | ABBT0145962 | W 0481772 | Crude Oil Single-Well Battery | Tourmaline Oil Corp. | Suspended |
| 3 | F50583 | F50583 | Multiwell Oil Battery | Tourmaline Oil Corp. | Issued |

Total Number of Facilities: 4, Number Licensed: 2, Number Active: 0, Estimated Lease Size: 28,100 m2, Age: May-2016
 Combined Facilities Largest Design Capacity Rating: B (50 - 500 m3 fluid/day)

Wells Linked in Petrinex to Facilities on Surface Location (Petroscout Data Analysis):

Total Wells: 4, Total Active Oil Wells: 4, Total Active Gas Wells: 0, Total Active Service Wells: 0

Latest Monthly Production Rates for All Wells Linked to Facilities:

| | |
|-------------------------------------|--------------|
| Daily Combined Oil Rate: | 3.62 m3/d |
| Daily Combined Gas Rate: | 35.96 e3m3/d |
| Daily Combined Water Rate: | 0.5 m3/d |
| Daily Combined Marketable Gas Rate: | 31.56 m3/d |
| Daily Combined Ethane Rate: | 9.42 m3/d |
| Daily Combined Propane Rate: | 5.4 m3/d |
| Daily Combined Butane Rate: | 2.42 m3/d |
| Daily Combined Pentane Rate: | 1.56 m3/d |
| Daily Combined LiteMix Rate: | 0.16 m3/d |

Pipelines ending at Surface Location (Petroscout Data Analysis):

Number of pipelines related to facilities on surface location: 0

Water wells on Surface Location (Petroscout Data Analysis):

Number of water wells related to facilities on surface location: 0

Facility Decommissioning Estimate (for all facilities on surface location):

| | | |
|---------------------------------|-----------|---|
| Estimated Decommissioning Year: | 2062 | (based on Petrinex linked well lifespans + 2 years) |
| Decommissioning Rate: | \$224,800 | (28,100 m2 x \$80/m2 x 10%) |

Facility Lease Remediation Estimate:

| | | |
|-------------------------------------|---------------------------------|----------------------|
| Remediation Rate: | \$140,500 | (28,100 m2 x \$5/m2) |
| Known (Reported) Spill Remediation: | No Spills Related to this Lease | |
| Total Lease Remediation Estimate: | \$140,500 | |

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Facility Lease Reclamation Estimate:

Lease Land Characteristics: Surface Deposit: Morainal, Soil Texture: clay loam-loam, Land Area: Kakwa Benchlands, Soil Drainage: Moderately well drained, Surface Form: subdued, Soil Type: Bedrock, Wooded Area: Coniferous Dense

Reclamation Rate: **\$140,500** (28,100 m2 x \$5/m2)

Total End of Life Cost Estimate

| | |
|-----------------------------|------------------|
| Facility Demolition: | \$224,800 |
| Lease Remediation: | \$140,500 |
| Lease Reclamation: | \$140,500 |
| Total End of Life Estimate: | \$505,800 |

Regulator Liability Estimate (Petroscout Data Analysis)

Regulator deemed LLR estimates are provided below but may not be 100% accurate as site specific details are not known.

Reclamation Area: **Foothills Area**

| No. | License Number | Design Rating | Operational Status | Deemed Decomm Liability | Deemed Recl Liability | Total Deemed Liability |
|-----|----------------|---------------|--------------------|-------------------------|-----------------------|------------------------|
| 1 | F50583 | B | Issued | \$170,000 | \$292,500 | \$462,500 |

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Facility Code: ABBT0148745
License Number: F50583
Surface Location: 07-22-061-05W6

Google Earth Image of Facility

