

INSPECTION REPORT - SITE A

Alberta Energy Regulator Field Inspection

Date: September 20, 2025

Facility: Site A Production Facility

Operator: Apex Energy Corp.

Inspector: S. Chen, AER

EXECUTIVE SUMMARY

This report documents findings from a routine compliance inspection of Site A production facility. The facility demonstrates strong compliance with current regulations and industry best practices.

LDAR PROGRAM STATUS

Comprehensive LDAR survey completed August 2025 using OGI camera (FLIR GF320). All 47 components surveyed with zero exceedances detected. Previous survey conducted May 2025 (3-month interval). Survey frequency meets regulatory minimum of quarterly inspections per SOR/2018-66 Section 6. Detailed records maintained in digital LDAR management system with GPS-tagged component locations.

VENTING AND FLARING

Tank vapors are routed to a fully enclosed vapor recovery unit (VRU) with 98.5% capture efficiency. Emergency flare system installed and tested quarterly. Flare ignition system verified operational. Monthly venting volumes average 45 m³, well below site-specific limits. All venting events logged with duration and estimated volumes.

PRODUCED WATER MANAGEMENT

Produced water managed through closed-loop system. All water routed to licensed disposal well (License #12345-W). Secondary containment sized at 110% of largest tank volume. Weekly inspections documented. No spills or unauthorized releases in past 12 months. Immediate notification procedures posted and staff trained.

PNEUMATIC DEVICES

All pneumatic controllers converted to low-bleed or instrument air systems:

- Separator controls: Instrument air (6 units)

- Tank level controls: Low-bleed pneumatic (4 units, <6 scf/hr each)
- Compressor controls: Electronic actuators (3 units)

High-bleed devices eliminated in 2024 facility upgrade. Annual bleed rate testing completed July 2025, all within specifications.

EMERGENCY RESPONSE

Emergency Response Plan current (updated June 2025). Staff training records reviewed - 100% completion. Spill kits inspected and properly stocked. AER contact information posted at site entrance and control room.

CONCLUSION

Site A demonstrates exemplary compliance with federal and provincial regulations including SOR/2018-66 and AER Directive 060. No deficiencies identified. Recommended for continued operations without restrictions.

Inspector Signature: S. Chen

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