



Bonanza Creek Energy, Inc.

Bonanza Creek Energy Operating Company, LLC

**Temporary Large Volume Storage Tank (TLVST) Best Management Practices (BMPs)**

- COGCC Rules 604.a and 605.a (2,3,5,6,7, and 8), as applicable to tank setbacks at the time of installation shall apply to the siting of TLVSTs.
- Signs shall be posted on each TLVST to indicate contents are freshwater and that no E&P Waste fluids are allowed. Location and additional signage shall conform to Rule 210.
- TLVSTs may only be utilized for the storage of freshwater. E&P wastes, including produced water, treated E&P wastes, and flowback from hydraulic fracturing operations will not be allowed.
- TLVSTs shall not be located on non-engineered fill material. Subgrade preparation shall be verified by proof-rolling prior to TLVST installation.
- All TLVST liners seams shall be welded at the liner manufacturer's facility. Field welded liners shall not be used. Liners shall not be reused.
- Bonanza will develop a Contingency Plan specific to the location for any LVST leak or catastrophic failure of the tank integrity and resulting loss of fluid. The plan includes a notification process to the COGCC and local Emergency authority (municipality, county, or both) for any failure resulting in loss of fluid.
- A minimum of 1 foot of freeboard will be maintained in all TLVSTs.
- Should a failure of TLVST integrity occur, Bonanza will notify COGCC upon discovery, report the incident to COGCC on a Form 22-Accident Report within 10 days of discovery, and conduct a root cause analysis. The results of the root cause analysis will be reported to COGCC on a Sundry-Form 4 within 30 days of discovery of the failure.
- TLVSTs will be constructed and operated in accordance with a design certified by a Colorado Licensed Professional Engineer.
- Once in operation, TLVSTs will be inspected daily and any deficiencies repaired as soon as practicable.
- Access to the tanks shall be limited to operational personnel.
- Bonanza will use only TLVSTs supplied by Rockwater or other contractors that are knowingly complying with COGCC inspection, maintenance, and record keeping policies.