



## Key Messages:

---

- On August 15, 2019 at approximately 8am MT, Bonterra identified an imbalance and began investigation.
- At approximately 1pm, discovered that an emulsion pipeline (17170-1) situated on its leased lands had ruptured resulting in a release of emulsion of an estimated 40 m<sup>3</sup> into Washout Creek. Bonterra immediately activated its Emergency Response Plan, including immediate containment procedures and mitigation plans associated with minimizing impact, as well as notification of all appropriate parties.

## Containment, Recovery and Monitoring

- Over 600 ft of booms were deployed across multiple locations (6-10) to contain and recover released fluids with the use of vac units. In addition, in areas not accessible by vehicle traffic, helicopters with barrel skimmers will be deployed to recover released fluids. Disposal of recovered fluids will be transported to an approved treatment, recovery, and disposal (TRD) facility.
- Plans have been put in place to mitigate the effect on wildlife, including setting up barriers, visual deterrents and physical human presence.
- Clean up and recovery is expected to continue for the next three weeks. The first week will involve intense recovery efforts as outlined above, while the following two weeks will include shoreline monitoring.
- Continuous monitoring and sampling to assess the ongoing effect of the release.

## SUMMARY OF DAILY OPERATIONS (24 HOURS)

---

### BONTERRA August 15

- Organize and dispatch services to contain the release and start recovering product, disconnect and physically isolate both ends of the pipeline
- Inspect water course with Helicopter to help identify the end point of the release and line up proper recovery personnel and equipment
- Deploy and install river booms in five locations downstream of the release to contain the emulsion release
- Recover emulsion from the creek, transfer and dispose of fluid at Tervita Buck Creek, construct multiple access point to the creek on existing right of ways to gain access and recover released emulsion.



#### **EXPECTED OPERATIONS FOR NEXT 24 HOURS**

- Maintain and monitor containment boom within Washout Creek.
- Continue to Recover emulsion from the creek, continue to construct access points on existing right of ways
- Deploy wildlife deterrents as required.
- Continue wildlife monitoring
- Complete SCAT Assessment.
- Conduct recovery/remediation operations.
- Collect surface water samples.