

APPENDIX 1

MEMDUM OF UNDERSTANDING

FERIC RESPONSIBILITIES

Develop a work plan to assess key factors in the use and delivery of gel products in the control of wildfire from aircraft within the Province of BC. FERIC will collect, compile, and analyze data and make recommendations to the MOFR on the effectiveness of gel products.

- i. Based on collected data, assess mix ratios used on different fuel types and suppression strategies.
- ii. Observe and record the effective life of the gel from application to evaporation in one more B.C. based field application. Assess the potential impact of canopy cover, RH and Temperature on gel longevity and effectiveness.
- iii. Observe and record the effectiveness of Gel dropped out of a helicopters onto open flame.
- iv. Correlate gel mix ratios with effectiveness on the ground by comparing the records from the mixing site with the drop times recorded by the personnel on the ground.
- v. Evaluate effect of temperature, RH and other environmental factors on longevity and effectiveness of gel on the ground.
- vi. Identify any quality control issues related to storing mixed gel in an aircraft tank or effects of the gel on helicopter buckets or filling pumps.
- vii. Observe and record forest fuel coverage when gel is dropped from fixed and/or rotary wing aircraft. Correlate coverage with aircraft drop speed, heights and related environmental factors.
- viii. Define initial tactical options, including the concept of re hydration of the product.
- ix. It is understood that no set number of actions are prescribed; rather the proponents will look to accomplish the stated objectives within a reasonable number of operations.
- x. FERIC will have the sole discretion as to when data collection and field testing is sufficient enough to allow for a scientific determination of product performance, viability, and cost effectiveness for application in the Province of B.C.
- xi. Within 30 days of completion of the trial provide a written report to the MOFR on the viability and cost effectiveness of Thermo –Gel product for use on wildfires within the Province of BC.