

NOTE: Any yellow text shading or red text annotations have been added by ORNL Subject Matter Experts (SMEs). The annotations have been made in order to document (1) certain Forest Service requirements that have been waived or (2) where some requirements for the ORNL participants have been clarified or established within the ORNL Research Safety Summary (RSS) instead. The RSS 7728 is the work control document that governs the ES&H the activities/actions of the ORNL participants doing work at the Marcell Experiment Station.

U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY Forest Research	2. LOCATION Grand Rapids MN	3. UNIT RWU 4101/4351
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12 (Instructions on Reverse)	4. NAME OF ANALYST	5. JOB TITLE	6. DATE PREPARED
7. TASKS/PROCEDURES	8. HAZARDS	9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE	
<p>Dehydration and/or low blood sugar</p> <ul style="list-style-type: none"> a. Excessive heat 95° to 100° temperatures. b. Long physically demanding work shifts. c. Working on asphalt surfaces reaching temperatures in excess of 100° Fahrenheit. d. Hot exhaust turbulents and winds created by aircraft (fixed wing and Rotorcraft) e. Many locations involve dusty operations (i.e., hover hook-ups, etc.) f. Long tours of duty up to 21 days exposure g. Not eating a normal diet (meals ready to eat) (MRE's) and freeze dried food. h. to Deter motion sickness. <p>This analysis applies to:</p> <ul style="list-style-type: none"> Retardant base operations Helicopter operations Smokejumper operations Other airfields, helibases, heliports and related support operations within Region 1. <p>*</p> <p>*</p>		<p>Provide (in addition to regular meals) fruit and liquids that replace the loss of carbohydrates and maintain blood sugar levels to normal limits. This will benefit the government by reducing employee illness, injury and agency provided medical care.</p> <p>*NOTE: When extreme weather and burning conditions return to normal allowing employees to subsist for themselves this Job Hazard Analysis is no longer in effect.</p> <p><i>ORNL SME: Also see RSS Question 13.5 for additional information on heat and cold stress including the links to OSHA publications.</i></p>	
10. LINE OFFICER SIGNATURE	11. TITLE		12. DATE

Previous edition is obsolete

(over)

