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| 2017 MNICS Wildland Fire Academy - Wednesday, June 07, 2017 | | |
| **8. Location** | **9. Hazard** | **6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc.)** |
| All | Driving & Traffic | ~ Practice “Defensive Driving” techniques traveling on all roads and city streets. ~ Watch backing, use a spotter when available. ~ Yield to pedestrians and bicycles. ~ Observe posted speed limits.  ~ Use the 3 second rule for following distance when driving. ~ Avoid distractions (eating, cell phones, radio). ~ Ensure that windshields are kept clean of dust and bugs. |
| All | Bees, Ticks, Mosquitoes | ~ Canvas crew members for those with known allergic reactions to stings. ~ Ensure crew members have medication pens if needed. ~ Perform daily self-inspection for ticks. ~ Use repellent as necessary. ~ Don't be afraid to ask for medical assistance for embedded ticks. |
| All | Severe Weather | ~ Review and follow Thunderstorm Safety guidelines in IRPG page 21. ~ Observe 30/30 Rule for lightning safety………page 21, IRPG. |
| S-236 | Heavy Equipment Operations | ~ Ensure communications are established with operators. ~ Use hand signals if other communications are unavailable. ~ Maintain a 50’-100’ exclusion area around equipment and increase it to 1 1/2 times tree height when in timber. ~ Use a spotter when backing. ~ Avoid working below heavy equipment. ~ Review Heavy Equipment guidelines in IRPG page 80 |
| S-270, S-271,IWIM, S-130/190 | Helicopter and Airtanker Operations | ~ Ensure clear air-ground communications ~ Stay clear of flight zones and drop areas. ~ Watch out for rotor wash or air tanker turbulence and potentially erratic fire behavior ~ Keep heads up for snags and hazard trees.  ~Air Ops conducts a complete risk assessment for each assigned mission |
| S-219 | Firing Operations & Devices | ~ Only personnel trained in the use of each device will be authorized to use firing equipment. ~ Ensure all personnel are aware of firing operation that may affect them. ~ Wear appropriate PPE. ~ Ensure aerial/ground ignition plans have been adequately developed and personnel are briefed. |
| S-212 | Chain Saw Operations | ~ Follow “Hazard Tree Safety” guidelines, IRPG page 22 ~ Look up, Look down, Look around for hazard tree indicators. ~ Only fell and buck trees within your expertise and training. ~ Follow “Procedural Felling Operations” on page 79 in IRPG. ~ Do not fall trees during high wind events. ~ Ensure proper use of all required PPE.  ~ Allow saws to cool for 5 minutes prior to re-fueling to reduce fire hazard. |
| S-211 | Pumps | ~ Always wear appropriate hearing protection. ~ Position personnel far enough away from pump to hear instructions on radio.  ~ Keep all fuel >4’ from creek and pump to reduce fire hazard and spill. ~ Rotate personnel every hour to limit exposure to high decibels of sound from pump. ~ Allow pumps to cool for 5 minutes prior to re-fueling to reduce fire hazard. |
| S-130/190 | Fireline Hazards | ~ Do not work directly above or below personnel during firing and mop-up operations.~ Watch for falling and rolling debris on steep slopes.~ Alert crew personnel of rolling debris by yelling to affected individuals.~ Position debris that could roll vertically on slope.~ Avoid stepping over debris that could roll by walking around object.~ Avoid radiant heat by wearing appropriate PPE correctly.~ Use correct tool for task assigned.~ Follow power line safety protocol as outlined on page 24 in IRPG.~ Flag and isolate all HAZMAT and alert all personnel working in Division.~ Follow WUI recommendations on pages 12-16 in IRPG. |
| All | Heat Related Illness (HRI)& Dehydration | ~ Drink Fluids throughout operational period (6-8 qts/shift).  ~ Maintain water/electrolyte ratio of 3 to 1. ~ Carry extra water on line and cache water at drop points. ~Take Frequent breaks, minis/mum of 10 minutes every hour.  ~ Minimize consumption of caffeinated and energy drinks  ~ Recognize symptoms of HEAT RELATED ILLNESS which include.  o Lack of energy  o Headaches, dizziness   o Lack of rest  o No hunger, poor eating habits  o Hot skin, and lack of sweating |

s/Steve Teeter, SOF2-T, s/Doug Miedtke, SOF2, Scott Belknap SOF2