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| 2017 MNICS Wildland Fire Academy - Monday, June 05, 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.~ If you are on the water and see lightning, forget the 30-30 rule-get off the water right away, take shelter in a low spot and crouch on top of your lifejacket.  |
| 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 | 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. |
| 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, minimum of 10 minutes every hour.~ 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 |