



# Buxton Fire-Rescue

Administrative Policy

Subject: Hazard Assessment (11)

Section/Number: Personal Protective Equipment (2)

Date Approved: September 4, 2014

*Nath R. Schools*



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## Hazard Assessment for Personal Protective Equipment Documentation

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Nathan R. Schools, *EFO*  
Authorization

*Nath R. Schools*  
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Fire-Rescue Chief

9/4/2014  
Date

*Not & SCS*

<u>Task</u>	<u>Hazard</u>	<u>PPE Required</u>
<b><u>Interior Structural Firefighting</u></b>	<i>Respiratory, Burns, Blunt Trauma, Abrasions/Lacerations</i> Super Heated Air  Super Heated Gases Open Flame Carbon Monoxide Hydrogen Cyanide Chemical Exposure Fall/Collapse Smoke Oxygen deficiency	Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves Self Contained Breathing Apparatus
<b><u>Aerial Ladder Use (During Fire)</u></b>	<i>Respiratory, Burns, Blunt Trauma, Abrasions/Lacerations</i> Fall  Roof Collapse Super Heated Air Super Heated Gases  Open Flame Smoke Oxygen deficiency	Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves Self Contained Breathing Apparatus Ladder Belt w/ Lanyard Harness w/ Positioning Hook Personal Escape Belt w/ Positioning Hook
<b><u>Ground Ladder Use (During Fire)</u></b>	<i>Fall, Laceration/Abrasion</i>	Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves Self Contained Breathing Apparatus
<b><u>Vehicle Fires</u></b>	<i>Blunt Trauma, Laceration, Crush, Chemical Exposure, Blood borne Pathogens, Explosion, Respiratory, Burns</i>  Fuel/Fluid leak  Air Bags  Alternative Fuel Vehicles  Hazard due to extrication Super Heated Air Super Heated Gases Open Flame Smoke Oxygen deficiency	Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves  Self Contained Breathing Apparatus Safety Glasses (when not using SCBA) Traffic Safety Vest (when not using SCBA)

*Nell & SCS*

<u>Task</u>	<u>Hazard</u>	<u>PPE Required</u>
<u>Vehicle Accident/Extrication (W/O Fire)</u>	<p><i>Blunt Trauma, Laceration, Crush, Chemical Exposure, Blood borne Pathogens, Explosion</i></p> <p>Fuel/Fluid leak</p> <p>Air Bags</p> <p>Alternative Fuel Vehicles</p> <p>Hazard due to extrication</p>	<p>Turnout Gear including: Helmet, Coat, Pants, and Boots</p> <p>Safety Glasses</p> <p>Traffic Safety Vest</p> <p>Extrication Gloves (during extrication)</p> <p>Nitrile Gloves (or similar) (Patient Care)</p>
<u>Vehicle Accident/Extrication (W/ Fire)</u>	<p><i>Blunt Trauma, Laceration, Crush, Chemical Exposure, Blood borne Pathogens, Explosion, Respiratory, Burns</i></p> <p>Fuel/Fluid leak</p> <p>Air Bags</p> <p>Alternative Fuel Vehicles</p> <p>Hazard due to extrication</p> <p>Super Heated Air</p> <p>Super Heated Gases</p> <p>Open Flame</p> <p>Smoke</p> <p>Oxygen deficiency</p>	<p>Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves</p> <p>Self Contained Breathing Apparatus</p> <p>Safety Glasses (when not using SCBA)</p> <p>Traffic Safety Vest (when not using SCBA)</p> <p>Extrication Gloves (during extrication)</p> <p>Nitrile Gloves (or similar) (Patient Care)</p>
<u>Woods/Grass Fires</u>	<p><i>Burns, Blunt Trauma, Abrasions/Lacerations</i></p> <p>Super Heated Air</p> <p>Open Flame</p> <p>Fall/Collapse</p> <p>Smoke</p>	<p>Wildland/Fire Helmet</p> <p>Steel Toed Boots or Fire Boots</p> <p>Duty pants of Jeans</p> <p>Long Sleeve shirt</p> <p>Leather Gloves</p>
<u>ATV Operations</u>	<p><i>Blunt Trauma, Submersion, Environmental</i></p> <p>ATV Crash</p> <p>Hypo/Hyperthermia</p> <p>Failure of off road bridge/ice sheet</p>	<p>ATV Helmet</p> <p>Safety Glasses</p> <p>Gloves (weather dependent)</p> <p>Duty Pants - No shorts</p> <p>Duty Boots (if none than fire boots)</p>

*N. Hill & S. Lee*

<u>Task</u>	<u>Hazard</u>	<u>PPE Required</u>
<u>Snowmobile Operation</u>	<p><i>Blunt Trauma, Submersion, Environmental</i></p> <p>ATV Crash Hypo/Hyperthermia Failure of off road bridge/ice sheet</p>	<p>ATV Helmet</p> <p>Safety Glasses Gloves (weather dependent) Duty Pants</p> <p>Duty Boots (if none than fire boots) Turnout Gear Pants Float Jacket Mustang/Cold Water Rescue Suit</p>
<u>Water Rescue</u>	<p><i>Submersion, Drowning, Blunt Trauma, Laceration/Abrasions</i></p> <p>Slip Trip Fall Water Submersion</p>	<p>Water/Ice/Rope Rescue Helmet</p> <p>Life Jacket Sneakers (Line Tenders) Uniform Shorts/Baiting Suit Water Rescue Rope</p>
<u>Ice Rescue</u>	<p><i>Submersion, Drowning, Blunt Trauma, Laceration/Abrasions</i></p> <p>Slip Trip Fall Water Submersion</p>	<p>Water/Ice/Rope Rescue Helmet</p> <p>Mustang/Cold Water Rescue Suit Crampons Water Rescue Rope Ice Picks Emergency Locator Beacon</p>
<u>Rope Rescue</u>	<p><i>Blunt Trauma, Laceration/Abrasions, Burns</i></p> <p>Slip Trip</p> <p>Fall Rope Burn</p>	<p>Water/Ice/Rope Rescue Helmet</p> <p>Rope Gloves Class 2 or 1 Harness (Low/High Angle situations) Duty Pants - No shorts</p>
<u>Carbon Monoxide Incidents</u>	<p><i>Respiratory</i></p>	<p>Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves Self Contained Breathing Apparatus</p>
<u>Firefighter Hand Tool Use</u>	<p><i>Blunt Trauma, Laceration, Eye Injury</i></p> <p>Hands while prying/forcing Eyes if material splinters/and or tool fails</p>	<p>Turnout Gear including: Helmet, Hood, Coat, Pants, Boots, Gloves Safety Glasses or Helmet Shield</p>

*Nell & SCS*

<b><u>Task</u></b>	<b>Hazard</b>	<b>PPE Required</b>
<b><u>Traffic Control</u></b>	<p><i>Blunt Trauma, Environmental</i> Struck by vehicle</p> <p>Slip Trip Fall Hypo/Hyperthermia</p>	<p>Helmet Traffic Safety Vest or approved reflective Jacket ANSI Reflective Pants Reflective Gloves (Orange/Green as indicated) Gloves (weather related) Flashlight with wand Stop Slow Paddle Emergency Scene Ahead sign</p>
<b><u>CPR</u></b>	<p><i>Exposure to Blood borne Pathogens</i> Blood Saliva Vomitus</p>	<p>CPR Pocket mask or Bag Valve Mask Nitrile Gloves (or similar)</p>
<b><u>Chain Saw Use (not during Structural fire)</u></b>	<p><i>Laceration, Blunt Trauma</i> Cut from Saw Blunt trauma from something falling on operator</p>	<p>Helmet Safety Glasses Leather Gloves</p> <p>Chaps/Turnout Pants Steel Toed Boots or Fire Boots Ear protection</p>
<b><u>Chain Saw/Commercial Saw Checks</u></b>	<p><i>Laceration</i> Cut from Saw</p>	<p>Safety Glasses Leather Gloves Chaps/Turnout Pants Steel Toed Boots or Fire Boots Ear protection</p>
<b><u>Confined Space Rescue</u></b>	<p><i>Laceration, Blunt Trauma, Burn, Respiratory</i> Laceration from tools/equipment while assisting the rescue team Slip Trip Fall Oxygen deficiency</p>	<p>Firefighting/Rescue Helmet</p> <p>Fire/rescue gloves</p> <p>Eye protection Traffic Safety Vest Rescue Harness Self-Contained Breathing Apparatus Firefighter turnout gear (pants and boots) or specialized rescue coveralls</p>

*Not a SLB*

<b><u>Task</u></b>	<b><u>Hazard</u></b>	<b><u>PPE Required</u></b>
<b><u>Apparatus Backing (for the spotter)</u></b>	<i>Crushing Injury, Blunt Trauma, Vehicle Accident</i>	Traffic Safety Vest  Flashlight
<b><u>Hydrant Testing</u></b>	<i>Blunt Trauma, Laceration/Abrasions Hose failure Lacerations to hands/body Water/debris in eye</i>	Fire Helmet  Leather Gloves Safety Glasses Duty Boots (if none than fire boots) Traffic Safety Vest
<b><u>Shoveling hydrants</u></b>	<i>Blunt Trauma, Laceration/Abrasions Struck by vehicle</i>	Leather Gloves  Traffic Safety Vest
<b><u>Ambulance Decontamination</u></b>	<i>BBP Exposure, Penetrating, Chemical Exposure Blood/fluid contaminants Used needle stick Cleaning chemical spill</i>	Nitrile Gloves (or similar)  Gown (as appropriate) Safety Glasses (as appropriate)
<b><u>Red Bag Laundering</u></b>	<i>BBP Exposure, Penetrating, Chemical Exposure Blood/fluid contaminants Used needle stick</i>	Nitrile Gloves (or similar)  Gown (as appropriate) Safety Glasses (as appropriate)
<b><u>Laundering Firefighting Ensemble</u></b>	<i>BBP Exposure, Chemical Exposure Blood/fluid contaminants Carcinogen Contamination Cleaning chemical spill</i>	Nitrile Gloves (or similar)  Gown (as appropriate) Safety Glasses (as appropriate)
<b><u>Generator Use</u></b>	<i>Electrocution, Carbon Monoxide Poisoning</i>	Rubber Sole Boots  GFCI Multi Gas Meter