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|  <b>Operational Risk Assessment Worksheet</b> | 1. Incident Name:<br><b>Calf Canyon</b>    | 2. Incident Number:<br><b>NM-SNF-000028</b>                                                                          |
|                                                                                                                              | 3. Operational Period:<br><b>24-Aug-22</b> | 4. Prepared by: (Safety Officer Signature & Date)<br>Eliot Pickett, SOF2, Ryan Romero SOF2, Manuel Martinez SOF2 (T) |

**RM is a process that enables leaders to plan for and minimize risk while still accomplishing the mission successfully.**

Near Miss - Close Call Totals: **Cumulative Totals for SW Team 4 total:**      Injury/Illness Totals: **Cumulative Totals for SW Team 4 total:**      Accident Totals: **Cumulative Totals for SW Team 4 total: 1**

**Red text is newly added item (48 hour) or significant changes**      **Blue text indicates a near miss/close call incident.**      **Trends:**

| Identify Hazards                      |                                                                                                                          | Assess Hazards        |              |                       | Risk Control Options                                                                                                                                                                                                                                                                                                                                                                                        | Residual Risk          |              |                 | Decision            | Implement                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|-----------------|---------------------|--------------------------------------------|
| 7. Task                               | 8. Hazard                                                                                                                | 9. Hazard Probability | 10. Severity | 11. RAC               | 12. Identify hazard mitigations & measures                                                                                                                                                                                                                                                                                                                                                                  | 13. Hazard Probability | 14. Severity | 15. RAC         | 16. Task Necessary? | 17. Hazard Control Assigned to:            |
| Operational tasks in remote locations | IWI - Patient Evacuation delay, ALS delay                                                                                | Possible              | Catastrophic | <b>Extremely High</b> | Remove crews from areas when rainfall is observed above work areas in burn scars. Monitor the weather using lookouts, radar, and IMET.                                                                                                                                                                                                                                                                      | Possible               | Critical     | <b>High</b>     | YES                 | Medical Section                            |
| Operational tasks on slopes           | Rock and Log Roll Out Potential                                                                                          | Possible              | Catastrophic | <b>Extremely High</b> | Create avoidance areas for personnel especially when working around equipment. Expect that rollout of rocks and trees may travel a significant distance downhill.                                                                                                                                                                                                                                           | Possible               | Critical     | <b>High</b>     | YES                 | All Operational Personal                   |
| Weather - Flash Flooding              | Working below fire scars, Thunderstorm rainfall, Debris Flows                                                            | Possible              | Critical     | <b>High</b>           | Remove crews from areas when rainfall is observed above work areas in burn scars. Monitor the weather using lookouts, radar, and IMET.                                                                                                                                                                                                                                                                      | Possible               | Critical     | <b>High</b>     | NO                  | All incident personel                      |
| Communications                        | Poor communications due to large geographic divisions                                                                    | Possible              | Critical     | <b>High</b>           | Be aware of areas on the fireline where trasmitting and/or receiving is difficult or impossible. Use human repeaters. Ensure LCES, Fire Orders 7, 8, 9, Use human repeaters to mitigate communication issues.                                                                                                                                                                                               | Possible               | Moderate     | <b>Moderate</b> | YES                 | All Operational Personal                   |
| All Incident Operational Tasks        | Hit by Tree/Snag/Branch                                                                                                  | Possible              | Critical     | <b>High</b>           | Communicate hazard tree/snag info when traveling around your division. Drop snags as needed if qualified sawyers are available and it is necessary. Use <b>Risk Assessment Tool</b> in daily safety message to evaluate your individual risk. Consider no work zones where hazard trees exist.                                                                                                              | Unlikely               | Critical     | <b>Moderate</b> | YES                 | Division Supervisor                        |
| All Incident Operational Tasks        | Weather - Flash Flooding                                                                                                 | Possible              | Critical     | <b>High</b>           | Obtain weather forecast. Observe sky weather. Stay clear of drainage bottoms, and low water crossing sections of road. Keep clear of soft forest roads. Have a safe place identified, for people to be out of harms way.                                                                                                                                                                                    | Possible               | Moderate     | <b>Moderate</b> | YES                 | All personell on fire                      |
| Helicopter and Fixed Wing Operations  | Aircraft Mishap - General                                                                                                | Unlikely              | Catastrophic | <b>High</b>           | Missions need to be Specific and meet incident objectives. Ensure ground resources are clear of retardent and water drops and ingress/egress routes. Review and apply IRPG Aviation pages. (Blue section) Ensure positive communications.                                                                                                                                                                   | Rare                   | Catastrophic | <b>Moderate</b> | YES                 | All Operational Personal                   |
| Transportation - Ground               | Motor Vehicle Accident-All Causes: visibility, other vehicles, pedestrians, bicycles, wildlife, road surface, livestock. | Possible              | Critical     | <b>High</b>           | Adhere to state and local traffic laws. Establish camps near fire operations to minimize driving distances, adhere to: operational driving policy, work rest policy, duty day limitations. Maintain vehicle readiness: clean windows, use headlights day & night, seatbelt use, take frequent breaks during long drives, obey posted speed limits, use backers if available. Post lookout when appropriate. | Rare                   | Critical     | <b>Moderate</b> | YES                 | Division Supervisor<br>All Drivers<br>LOGS |

|                                                   |                                                                         |          |              |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |              |          |     |                          |
|---------------------------------------------------|-------------------------------------------------------------------------|----------|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------|----------|-----|--------------------------|
| All Incident Operational Tasks                    | Weather - Lightning                                                     | Unlikely | Critical     | Moderate | During periods of high lightening probability (elevated LAL's, T-storm development) exposed individuals should be either in a building with wiring or plumbing, or a hard topped vehicle with the windows rolled up. If neither is possible avoid high ground, avoid grouping people together, avoid objects likely to be struck by lightening, avoid rocky outcrops due to elevated potential for lightening to strike rocks due to mineral content. *Consider disengagement from firefighting tasks to seek proper shelter. Wait 30 minutes after the last lightning strike before returning to work. | Unlikely | Critical     | Moderate | YES | Division Supervisor      |
| All Incident Operational Tasks                    | Flash flood conditions affecting ICP/Spike camp                         | Rare     | Critical     | Moderate | Refer to ICP / Spike camp evacuation plan. Either shelter in place or evacuate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Rare     | Critical     | Moderate | YES | All incident personell   |
| All Incident Operational Tasks                    | Slips/Trips/Falls - Steep Terrain, Unstable Surface                     | Possible | Moderate     | Moderate | Use the risk assessment tool in IAP. Look up, down, and around. Focus on task at hand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Possible | Moderate     | Moderate | YES | All incident personell   |
| All Incident Operational Tasks                    | Overexertion and fatigue/ dehydration                                   | Possible | Moderate     | Moderate | Ensure proper diet w/ appropriate hydration. Hydrate with electrolyte replacement products like Drip Drop or Gatorade. Obtain quality rest to the best extent possible. Supervisors should provide strong leaders intent about work to rest management.                                                                                                                                                                                                                                                                                                                                                 | Possible | Moderate     | Moderate | YES | All Operational Personal |
| Equipment - Heavey Equipment                      | Air Curtain Burner                                                      | Rare     | Critical     | Moderate | Load Fuel to be burned with equipment. Give fuel 2 hours minimum to burn down prior to leaving division for the day. Do not operate when the wind speeds reach 20mph or greater to prevent the potentila to carry hot embers. NEVER climb on the unit. Have operator and TFLD conduct a tailgate safety briefing prior to operation and conduct AAR's to adjust operations aas needed.                                                                                                                                                                                                                  | Rare     | Critical     | Moderate | YES | Division Supervisor      |
| Ground Transportatation- UTV /ATV                 | Rollover Potential                                                      | Unlikely | Critical     | Moderate | Evaluate the need for UTV /ATV use by using <b>Risk Assessment Tool</b> in IAP Safety Messages, avoid driving cross slope, avoid overloading machines, avoid use of aftermarket roof racks that increase rollover potential use qualified drivers, use required PPE. Follow your agency policy for PPE                                                                                                                                                                                                                                                                                                  | Rare     | Critical     | Moderate | YES | All UTV/ATV operators    |
| ICP or Evacuations                                | Hostile Individual                                                      | Rare     | Critical     | Moderate | Refer to Active Shooter Plan for Team 4, disengage and / or attempt to de-escalate situation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rare     | Critical     | Moderate | NO  | All Incident Personal    |
| Working with Heavy Equipment / Suppression Repair | Equipment- Crushed by Heavy Equipment / Rollover / Hit by Flying Debris | Unlikely | Critical     | Moderate | Refer to 2022 IRPG pg. 85 <i>Working with Heavy Equipment. Ensure adequate supervision by using a HEQB or TFLD.</i> review IRPG page 86 for mitigations.                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unlikely | Critical     | Moderate | YES | DIVS, HEQB               |
| All Incident Personnel                            | Accidental Shooting                                                     | Rare     | Catastrophic | Moderate | Be aware of hunters in the area, notify supervisor. Involve the SEC1's to educate the hunters on the closure area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rare     | Catastrophic | Moderate | YES | All Incident Personnel   |
| Provide for Public Safety                         | Personal Injury                                                         | Likely   | Negligible   | Moderate | Expect to interact with public and hunters even in closure areas. Communicate clearly and courteously. Contact Team Liaisons,Safety Officers, and Security when necessary.                                                                                                                                                                                                                                                                                                                                                                                                                              | Likely   | Negligible   | Moderate | YES | All Personnel            |
| All Incident Personnel                            | Covid-19                                                                | Possible | Moderate     | Moderate | Please remember that Covid-19 can be present with affects ranging from zero symptoms to fatality. Please report all illness and symptoms of any kind to the Medical Unit. Please follow all hosting agency protocols. Utilize module of one, mask wearing and avoid crowds when possible.                                                                                                                                                                                                                                                                                                               | Unlikely | Moderate     | Low      | YES | All Incident Personnel   |
| Chainsaw Use                                      | Personal Injury                                                         | Possible | Moderate     | Moderate | Use qualified sawyers, cut within your certification level, provide saw boss for complex saw operations. Ensure medical supplies are near sawyers, ensure medical resources are aware of sawyer locations. Use road gaurds when appropriate.                                                                                                                                                                                                                                                                                                                                                            | Unlikely | Moderate     | Low      | YES | Sawyers / Swampers       |