

INCIDENT ACTION PLAN

TENNANT

CA-KNF-5169

P5N329-0505



OPERATIONAL PERIOD

7/10/2021 0800

to

7/14/2021 2000

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: <p style="text-align: center;">Tennant</p>	2. Operational Period:	Date From: 7/10/2021	Date To: 7/14/2021
		Time From: 0800	Time To: 2000

3. Objective(s):

Management Objectives

- Provide for the safety of all fire personnel, assigned resources, residents, and the public.
- Protect property and infrastructure, including private ranches and timberland.
- Protect natural, tribal and cultural resources while implementing the suppression repair plan.
- Foster and maintain a strong and effective working relationship with all cooperators and assisting agencies.
- Exercise both organizational and personal responsibility by following CDC COVID-19 guidelines.

Control Objectives

- Keep the fire within the current perimeter.

General Situational Awareness:

Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees.

In the COVID-19 environment, high density populations or large groups are particularly at risk. To help protect yourself, your family and to ensure all employees return home safely, make sure to practice social distancing.

Enhanced hygiene (especially handwashing), PPE & monitoring practices help limit the infection rate of first responders.

5. Site Safety Plan Required? Yes No

Approved Site Safety Plan(s) Located at:

6. Incident Action Plan

<input checked="" type="checkbox"/> ICS 203	<input checked="" type="checkbox"/> ICS 215A	<input type="checkbox"/> ICS 205 A	<input type="checkbox"/> Human Resource Message
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Training Message	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 205	<input type="checkbox"/> Facility Maps	<input type="checkbox"/> Travel Map	<input type="checkbox"/> Cal OES Message
<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input type="checkbox"/> Demob List	<input type="checkbox"/> County Health Message
<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214

7. Prepared By: Amanda Hickman Position/Title: PSC Signature: for Amanda Hickman *Joseph C. King*

8. Approved by Incident Commander: *JOSH SCHMALENBERGER* Signature: *Josh Schmalenberger*

ICS 202 NIMS IAP

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ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Tennant		2. Operational Period: Date From: 7/10/2021 Time From: 0800		Date To: 7/14/2021 Time To: 2000	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/UC's	Shaun Craig / J. Schmalenberger (t)		Operations	Larry Wright / John Brodbeck (t)	
Deputy			Deputy		
Safety Officer	Cecil Fulmer		Night Ops		
Information Officer	Donnie Davis		Staging Area		
Liaison Officer			Branch		
4. Agency/Organization Representatives:			Division/Group	D/H	Kris Schreoder / Chris Weaver (t)
Agency/Organization	Name		Division/Group	R/Z/A	Tony Arendt / Jacob Blehm (t)
Goosene Ranger	Mike Welker		Division/Group	Road/Repair	Jason Headley / Ryan Mason (t)
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5. Planning Section:			Division/Group		
Chief	Amanda Hickman		Division/Group		
Deputy	Riley Spivey (t)		Division/Group		
Resource Unit			Division/Group		
Situation Unit			Division/Group		
Resource Advisor			Division/Group		
Demobilization Unit			Division/Group		
GISS			Division/Group		
FBAN			Division/Group		
IMET			Division/Group		
DOCL			Air Operations Branch	Director:	Jordan Mallory
ITSS			Air Support Group Supervisor		
Human Resource Spec			Air Tactical Group Supervisor		
6. Logistics Section			Helibase Manager		
Chief	Chuck House				
Deputy	Brad Rafeedy (t)		8. Finance/Administration Section:		
Facilities Unit			Chief	Katherine Lawson	
Ground Support Unit			Deputy	Tara Ware (t)	
Communications Unit			Procurement Unit		
Medical Unit			Comp/Claims Unit		
Food Unit			Cost Unit		
Ordering			Time Unit	Elizabeth Thompson (t)	
Prepared By: Name:	Amanda Hickman	Position/Title:	PSC	Signature:	<i>Amanda Hickman</i>
ICS 203		Date/Time:	7/9/2021 1700	<i>Riley Spivey</i>	



Tennant Fire – 5 Day Weather Forecast



FORECAST NO: 9
PREDICTION FOR: Saturday-Wednesday (7/10-7/14)
FORECAST ISSUED: 1700 Friday 7/9/2021

FIRE: Tennant
UNIT: CA-KNF
SIGNED: *Tony Fuentes*
Incident Meteorologist – Tony Fuentes

5 Day Outlook and Forecast

- Hot, dry, and unstable conditions (*Haines 5-6*) continue through the weekend. Near triple digit heat possible.
- Temperatures cooling 5-7 degrees by midweek. Dry afternoons and moderate overnight RH recoveries expected.
- Breezier afternoon winds possible by Tuesday and Wednesday next week. No precipitation expected.

Saturday: (Heat Advisory)

WEATHER: Hot and Dry. Smoke and haze.
TEMP: Max: 96-100° Overnight Min: 60-65°
RH: Min: 10-15% Overnight Max: 37-43%
HAINES INDEX: 6
20 FT WINDS: Upslope winds 3-6 mph in the morning becoming W-NW 5-10 mph with gusts to 15 mph. Winds turning downslope 2-5 mph overnight.
STABILITY/INVERSION: 500 feet rising to 12,500-13,000 feet AGL in the early afternoon.

Sunday: (Heat Advisory)

WEATHER: Hot and Dry. Smoke and haze.
TEMP: Max: 96-100° Overnight Min: 62-67°
RH: Min: 10-15% Overnight Max: 40-45%
HAINES INDEX: 5
20 FT WINDS: Upslope winds becoming W-NW with 5-10 mph with gusts to 18 mph. Winds turning downslope 2-5 mph overnight.
STABILITY/INVERSION: 500 feet rising to 11,500-12,000 feet AGL in the early afternoon.

Monday: (Heat Advisory)

WEATHER: Hot and Dry. Smoke and haze.
TEMP: Max: 96-99° Min: 57-62°
RH: Min: 10-15% Overnight Max: 45-50%
HAINES INDEX: 5
20 FT WINDS: Upslope winds becoming W-NW with 5-10 mph with gusts to 15 mph. Winds turning downslope 2-5 mph overnight.
STABILITY/INVERSION: 500 feet rising to 10,500-11,000 feet AGL in the early afternoon.

Tuesday:

WEATHER: Breezy. Hot and dry. Smoke and haze.
TEMP: Max: 95-98° Min: 57-62°
RH: Min: 9-13% Overnight Max: 50-55%
HAINES INDEX: 5
20 FT WINDS: Upslope winds becoming W-NW with 5-10 mph with gusts to 18 mph. Winds turning downslope 2-5 mph overnight.
STABILITY/INVERSION: 500 feet rising to 10,500-11,000 feet AGL in the early afternoon.


Wednesday:

WEATHER: Breezy. Slight cooling, continued dry. Smoke and haze.
TEMP: Max: 92-95° Min: 55-60°
RH: Min: 9-13% Overnight Max: 58-62%
HAINES INDEX: 4
20 FT WINDS: Upslope winds becoming W-NW with 6-12 mph with gusts to 20 mph. Winds turning downslope 2-5 mph overnight.
STABILITY/INVERSION: 400 feet rising to 9,500-10,000 feet AGL in the early afternoon.

Local Weather Obs:



FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 10	TYPE OF FIRE: Wildfire
FIRE NAME: Tennant	OPERATIONAL PERIOD: July 10-14, 2021
DATE ISSUED: July 9, 2021	TIME ISSUED: 1800 hours
UNIT: CA-KNF, CAL FIRE-SKU	SIGNED: 
	Typed/printed: Nic Elmquist, FBAN

Weather Summary

Please see attached Fire Weather Forecast

Expected Severe Fire Danger Index (Combination of ERC and BI): Very High/Severe

GENERAL:

Hot, dry, and afternoon breezy conditions will continue over the next 5-days. The area received less than 50% of their normal precipitation this past winter and has caused both the live and dead fuels to be at critical levels. Although only in early July, fuels conditions are at levels not normally seen until late August. The probability of ignition will reach close to 100% each afternoon. Maintain attention on the known problem areas, especially during peak of the burn period (1300 – 1700).

Local Thresholds: Combinations of any of these factors can lead to increases in fire behavior:
windspeed > 10 mph, relative humidity <15%, temperature over 90, 10-Hour Fuel Moisture less than 5.

SPECIFIC:

All Divisions: The combination of predicted weather, current fuels conditions, and a 10,000-acre fire area, means potential remains across the fire. However, given the fuels and topography, the most potential will be on the piece of line northwest of Orr Lake where some unburned pockets of vegetation remain near the line. A torching Juniper tree could potentially throw a spot 500+ feet with the afternoon winds. Stay vigilant with your patrol efforts and continue the seek and destroy missions. Remember H-502 has a 25-minute flight for bucket support so call them early if you anticipate they will be needed.

Initial Attack: Be prepared to support new fires in the area if requested. Anticipate rapid rates of spread, utilize aircraft, and anchor and flank tactics.

AIR OPERATIONS:

The smoke from the large Oregon fires will continue to filter into Butte Valley bringing overall hazy conditions. The air should be clear enough for air operations if the need arises.

SAFETY:

The large down fuels (1000-hour) are at historically dry levels and will hold heat for extended periods of time. Be heads up when around the trees within the black as they have been burning for over a week. Pay attention on the steeper slopes as large rocks have been falling since the vegetation that was holding them in place has burned off. Safety first, last, and always.

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: <p style="text-align: center;">Tennant</p>	2. Operational Period: Date From: 07/10/21 Date To: 07/14/21 Time From: 0800 Time To: 2000	3. Branch Division <p style="text-align: center;">D/H</p> Page 1 of 1 Delta/Hotel
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4. Operations Personnel:	
Operations Section Chief: Larry Wright / John Brodbeck (t)	Night Ops:
Branch Director:	Branch Safety:
Division/Group Supervisor: Kris Schreoder / Chris Weaver (t)	Air Attack:

5. Resources Assigned:							
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
CRW T1 S/T SKU 9262G		7/18	Singleton	31	C-10002		
ENG T3 S/T CNF 6631C		7/15	Charles Hixon	27	E-188		
ENG T3 SKU E2666		7/12	Mazzoglia	4	E-47		
ENG T3 SKU E2660		7/12		4	E-48		
ENG T3 SKU E2661		7/12	Salvador	4	E-45		
ENG T3 SKU E2664		7/12	Olinghouse	4	E-46		
WT T2 Cattle Lack Ranch		7/13	Clancy Enlou	1	E-28		
WT T2 KNF WT 279		7/11	Stacie Cicairos	2	E-57		
WT T2 KNF WT217		7/11	Tha Ing	1	E-56		
TFLD(t)		7/11	Brian Hendrix	1	O-238		
REAF		7/14	Bruce Cann	1	O-12		
REAF		7/15	Erin Lonergran	1	O-229		

6. Work Assignments:
 -Continue mop up and secure control lines.
 -Patrol lines and unburned areas. Improve as necessary. Pay attention to Juniper trees.
 -Back haul trash and unneeded hose and equipment. Provide GPS location of all pumps and tanks.
 -Provide REAFs with all areas for repair.

7. Special Instructions:

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
KNF SAGE	1	Command	172.3250	CSQ	162.2250	103.5	
KNF RPT	2	Command	171.5250	CSQ	165.4125	103.5	
NIFC T1	3	Tactical	168.0500	162.2	168.0500	162.2	
A/G Tac	14	Air/Ground	168.4000	CSQ	168.4000	CSQ	

9. Prepared by: Name:	RESL
	Signature: _____
ICS 204	Date/Time: 7/9/2021 2200 Personnel Count: 81

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: <p style="text-align: center;">Tennant</p>	2. Operational Period: Date From: 07/10/21 Date To: 07/14/21 Time From: 0800 Time To: 2000	3. Branch Division <p style="text-align: center;">R/Z/A</p>
4. Operations Personnel:		Page 1 of 1

Operations Section Chief: Larry Wright / John Brodbeck (t)	Night Ops:
Branch Director:	Branch Safety:
Division/Group Supervisor: Tony Arendt / Jacob Blehm (t)	Air Attack:

5. Resources Assigned:							
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
CRW T2IA GFP Enterprises		7/15	Keith Parker	20	C-25		
CRW T2 Blue Mountain		7/14	Jose Garcia	20	C-20		
CRW KNF Crew 5 WF		7/11	Jeremy Rose	9	O-240		
ENG T3 KNF E77		7/13	Anthony West	6	E-55		
ENG T3 KNF E376		7/15	Chris Hansen	6	E-53		
ENG T3 KNF E15		7/11	Michael Leckness	5	E-52		
ENG T3 KNF E357		7/11	Chase Chechiou	4	E-54		
DOZ T2 KNF Dozer 1		7/13	Ben Grotting	4	E-110		
WT T2 ANF WT29		7/15	Clayton Cash	1	E-29		
WT T2 Johnson		7/12	Glenn Hall	2	E-26		
WT T2 Northstate Equipment		7/20	Brett McGiffin	1	E-193		
WTS T2 Ashbrook Enterprises		7/19	John Kelsey	1	E-189		
FEMP		7/16	Colton Campbell	1	O-100		
FEMT		7/15	Albert Desrosiers	1	O-94		
REAF		7/15	Joe Ford	1	O-11		
SOFR		7/16	Cecil Fulmer	1	O-135		

6. Work Assignments:

- Continue mop up and secure control lines.
- Patrol lines and unburned areas. Improve as necessary. Pay attention to Juniper trees.
- Back haul trash and unneeded hose and equipment. Provide GPS location of all pumps and tanks.
- Provide REAFs with all areas for repair.

7. Special Instructions:

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
KNF SAGE	1	Command	172.3250	CSQ	162.2250	103.5	
KNF RPT	2	Command	171.5250	CSQ	165.4125	103.5	
NIFC T3	5	Tactical	168.6000	162.20	168.6000	162.20	
A/G Tac	14	Air/Ground	168.4000	CSQ	168.4000	CSQ	

9. Prepared by: Name:	RESL
Signature: _____	
ICS 204	Date/Time: 7/9/2021 2200
	Personnel Count: 83

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name:		2. Operational Period:				3. Branch		Division	
Tennant		Date From: 07/10/21	Date To: 07/14/21			Road/Repair		Page 1 of 2	
		Time From: 0800	Time To: 2000						
4. Operations Personnel:									
Operations Section Chief: Larry Wright / John Brodbeck (t)					Night Ops:				
Branch Director:					Branch Safety:				
Division/Group Supervisor: Jason Headley / Ryan Mason (t)					Air Attack:				
5. Resources Assigned:									
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location		
DOZ T2 Oilers Ag Service		7/14	James White	2	E-137				
Chipper T2 God & Country		7/15	Aaron Evans	3	E-142				
Excavator Kit Contracting		7/16	Ike Tomlinson	2	E-106				
Excavator T3			Sonny Moore	2	E-197				
Grader Bob Johnson Const		7/18	Jack Hottendorf	2	E-183				
Grader M Peters Inc		7/18	Jim Scott	2	E-184				
WT T2 Cattle Lack Ranch		7/12	Riveria	1	E-27				
WT T2 Jack Hurlimann		7/16	Grant Grassman	1	E-169				
WT T2 121		7/16	Williams / Miller	2	E-162				
WTS2 Bernard Dowling		7/14	Pat Gray	2	E-30				
WTS2 Bernard Dowling		7/15	Ty Bundy	1	E-168				
WTS2 Holt Logging		7/20	Paul Harding	1	E-191				
WTS2 Fortner Excavation		7/19	Tom Glickman	1	E-194				
WTS2 Dustbusters			Kennedy	1	E-192				
HEQB		7/16	Randall Barefoot	1	O-7				
HEQB		7/15	Barry Slay	1	O-8				
HEQB (t)		7/17	Chris Carney	1	O-202				
HEQB (t)		7/17	Luke Langhorst	1	O-199				
6. Work Assignments:									
-Prioritize repair across the fire area.									
-Work with READs to prioritize work areas.									
-Update progress on repair map.									
7. Special Instructions:									
8. Communications									
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes		
KNF SAGE	1	Command	172.3250	CSQ	162.2250	103.5			
KNF RPT	2	Command	171.5250	CSQ	165.4125	103.5			
NIFC T7	6	Tactical	166.7250	162.20	166.7250	162.20			
A/G Tac	14	Air/Ground	168.4000	CSQ	168.4000	CSQ			
9. Prepared by: Name:									
				RESL		Signature: _____			
ICS 204		Date/Time: 7/9/2021		2200		Personnel Count: 27			

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: <p style="text-align: center;">Tennant</p>	2. Operational Period: Date From: 07/10/21 Date To: 07/14/21 Time From: 0800 Time To: 2000	3. Branch Division <p style="text-align: center;">Road/Repair</p>
4. Operations Personnel:		Page 2 of 2

Operations Section Chief: Larry Wright / John Brodbeck (t)	Night Ops:
Branch Director:	Branch Safety:
Division/Group Supervisor: Jason Headley / Ryan Mason (t)	Air Attack:

5. Resources Assigned:							
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
TFLD		7/15	Chad Randolph	1	O-20		
TFLD		7/15	Silas Baffa	1	O-21		
TFLD		7/12	Jeffrey Stitt	1	O-18		
TFLD (t)		7/16	Amanda Shoaf	1	O-214		
ARCH		7/16	Brett Guisto	1	O-226		
ARCH		7/20	Laird Naylor	1	O-287		
REAF		7/15	Everardo Santillan	1	O-6		

6. Work Assignments:

- Prioritize repair across the fire area.
- Work with READs to prioritize work areas.
- Update progress on repair map.

7. Special Instructions:

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
KNF SAGE	1	Command	172.3250	CSQ	162.2250	103.5	
KNF RPT	2	Command	171.5250	CSQ	165.4125	103.5	
NIFC T7	6	Tactical	166.7250	162.20	166.7250	162.20	
A/G Tac	14	Air/Ground	168.4000	CSQ	168.4000	CSQ	

9. Prepared by: Name: RESL

Signature: _____

ICS 204 Date/Time: 7/9/2021 2200 Personnel Count: 7

JAA body

AIR OPERATIONS SUMMARY

Prepared By: /s/ John Crofty AOBDD
 1. INCIDENT NAME: Tennant 2. OPERATIONAL PERIOD DATE: 7/10-7/14/21

Prepared Date: 7/9/21 Prepared Time: 1700
 START TIME: 0730 END TIME: 2100 SUNRISE: 0541 SUNSET: 2044

3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):		4. MEDIVAC AIRCRAFT		5. TFR: In Place	
<p>Visibility - Smoke. (Check with ATGS) See map for Avoidance Area See map for no dip area: Medicine Lake Flight Hazards- Powerlines, winds, MTR's (Check Flight Haz Map, MTR's) Fly all missions with landing lights on. USE 1255 Keep foam and retardant out of waterways. Do not contaminate dip sites. Clean buckets for IA Use see and avoid tactics with external loads over roads and highways. Siskiyou Airport Antelope East of runway. Gliders and RC aircraft Herd Peak</p>		<p>Incident medevac: Incident ships as available Hoist ship: On request Short Haul avail on request Lava Fire Mott Helibase CHP Hoist Day Redding Air Ambulances: Mercy 105 MFR PHI 43, Reach 5 RDD Airlink 3 K Falls</p>		<p>Tennant: No TFR Lava: Check</p>	
On order:					
6. PERSONNEL	NAME	Phone #	7. FREQUENCY	AM	FM
AOBD			Command Rptr KNF Sage Net		172.3250 RX 162.2250 TX Tone 8 103.5
ASGS ASGS (T)			Forest Net Rptr YICC SKU Local for Command Cal Fire IA		171.5250 RX 165.4125 TX Tone 8 103.5 151.3250 RX 159.3600 TX Tone 8 103.5 Tone 2 123.0
ATGS ASM			RW A/A FW A/A Air tactics	119.0750	
HLCO			A/G Cmd (Ops, Divs) A/G Tac A/G CDF 1 IA ONLY		168.4000 151.2200 Tone 16 192.8 TX/RX
HEBM t:	Jordan Mallory	530-844-6968			
Medevac and Hoist Air to Ground			Cal Coord		156.0750 Tone 6 156.7 TX/RX
Ground to Air Emergency Only			Air Guard		168.6250 Tone 1 110.9 TX
KNF Dispatch		530-841-4604			
			Lead Planes: On Request		
			Helibase location: Scott Valley Airport		

HELICOPTERS (Use Additional Sheets As Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-502	II	205++	Scott Valley	0730	0800	Bucket/EU							

9. TASK/MISSION/ASSIGNMENT (Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Air Tactical	Provide continuous coverage over incident by FW ATGS. Coordinate rotor and fixed wing A/C use and flight following over the fire. Monitor all divisions.	On request		Fire
Dropping Retardant: Air Tankers	FW air tankers as ordered by DIVS through OPS/AOBD to ATGS. Support operations as necessary. Record drop locations	When requested		Fire
Recon	As requested			
Mapping/Infrared	Nirops order by 1400			
Transport of Personnel	As requested			
Cargo Transport	As requested			
Dip Site Names and Locations	Orr Lake, Red Roof Juanita Lake, Jerome			
I.A.	As requested use Comm plan based on FRA, SRA for appropriate Agency KNF on request AA-05,H-502, Type 1 on Ops and IC approval.			
Helispots	As Approved			

07/08/2021 3:13 PM

SAFETY MESSAGE

INCIDENT: **Tennant Fire**

DATE: **July 10-14 2021**

TIME: **Day**

Major Hazards and Risks:

- **Terrain: Working in rough, steep terrain and with rolling material.**
- **Fatigue and dehydration.**
- **Distracted driving...Don't be a distracted driver! Don't text and drive!**
- **Working around Hazard Trees.**
- **Helicopter drops: Remember the safety of the pilot. Use only when really needed**
- **Working under water dropping helicopters.**
- **Animals in fire area: Elk, Deer, Mountain Lion, Bear and snakes**
- **Working with and around heavy equipment: Excavators, Graders, Dozers, Chippers**

Working around heavy equipment

Narrative: For some firefighters on this incident, the heavy machinery being used on this fire is new to them. The complexity of the systems and their motion is completely different to the eye. Never assume that the operator sees you. If you come upon heavy machinery, stop and wait for the operator to signal you that it is safe to pass.

Stay away from Hazard Trees



Aviation Safety

Before you order ships for missions please, consider the following for the pilots safety and yours.

- Is the flight necessary
- Who is in charge
- Are the hazards known
- Is there a better way to do it
- Can you justify your actions
- Are there other aircraft

These are just a few things to consider for the pilots and crews on the ground safety. Please use those resources with care and know that aviation should always be a consideration and discussion concerning Life First.

Incident Safety Officer: Rick Bertram SOF2, Tom Zeulner SOF2

INCIDENT SAFETY ANALYSIS 215a

TENNANT FIRE - July 10-14, 2021

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All Divisions	Hazard Trees	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG page 22. ~ Post lookouts, or use a spotter in mop-up areas with personnel. ~ Don't park vehicles or take breaks in high concentrations of hazard trees. ~ Establish trigger points for disengagement during high wind events. ~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights.
Camp	Demobilization	<ul style="list-style-type: none"> ~ Ensure you get meaningful rest before travel (8hrs). ~ Turn in all documents, 214's, CTR's, Form 42's and completed demob sheet ~ Turn in items from supply ~ Ensure vehicle is ready for the trip also, tires, air pressure, oil level, windshield clean ~ Take plenty of breaks along the way, don't push it, get a hotel if you're tired ~ Don't drive more than 8 hours if alone and not past 2200hrs
All Divisions	Driving & Traffic	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads and city streets. ~ Use spotters when backing. ~ Honk horn to alert personnel when backing. ~ Keep clutter off dash and inside cab. ~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts. ~ Always use headlights. ~ Yield to pedestrians and bicycles. ~ Observe posted speed limits. ~ Use the 3 second rule for following distance when driving. ~ Use chock blocks, turn wheels into hill. ~ Avoid distractions (eating, cell phones, radio). ~ Ensure that windshields are kept clean of dust and bugs.
All Divisions	Fireline Hazards	<ul style="list-style-type: none"> ~ 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 22 in IRPG. ~ Flag and isolate all HAZMAT and alert all personnel working in Division. ~ Follow WUI recommendations on pages 10-11 in IRPG.
All Divisions	Complacency	<ul style="list-style-type: none"> ~ See IRPG pages xi-xii white pages ~ Encourage crew members to point out seen hazards to others ~ Keep personnel engaged by communicating what you are seeing ~ Review 10's and 18's and apply them to the current assignment. ~ Review the local area fire fatalities and accident history ~ Be the supervisor that doesn't tolerate complacency.
All Divisions	Air Operations	<ul style="list-style-type: none"> ~ Follow " Aviation Watch-Out Situations" on page 44, IRPG. ~ Don't plan on air resources for medical transport or resupply. ~ Refer to page 57, IRPG for directing bucket drops. ~ Ensure positive communication with all air resources.
All Divisions	Heavy Equipment Operations	<ul style="list-style-type: none"> ~ 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.
All Divisions	Fatigue & Over Exertion	<ul style="list-style-type: none"> ~ Drink 1 quart of water each hour during and after work. ~ Rotate crews out of smoky areas. ~ Set a reasonable work pace and allow adequate rest breaks while on the project. ~ Stagger work crews start time to limit fatigue. ~ Use buddy system to monitor personnel of heat related and fatigue issues. ~ Follow work / rest guidelines.

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

Controlled Unclassified Information//Basic

1. Incident Name: TENNANT FIRE

2. Date/Time Prepared: Date: 07/09/2021 Time: 1500

3. Operational Period: Date/Time From: 07/10/2021 0800 Date/Time To: 07/14/2021 2000 SAT WED

4. Basic Radio Channel Use:

Zone Group	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode (A, D, or M)	Remarks
1	1	COMMAND	KNF SAGE	ALL DIVISIONS	172.3250	CSQ	162.2250	103.5	A	KNF SAGE IA
1	2	COMMAND	KNF RPT	ALL DIVISIONS	171.5250	CSQ	165.4125	103.5	A	KNF FORESTNET IA
1	3	TACTICAL	NIFC T1	DIV D, H	168.0500	162.2--T15	168.0500	162.2--T15	A	
1	4	TACTICAL	NIFC T2	FOREST TAC	168.2000	CSQ	168.2000	CSQ	A	
1	5	TACTICAL	NIFC T3	DIV A, R, Z	168.6000	162.2--T15	168.6000	162.2--T15	A	
1	6	TACTICAL	NIFC T5	DIV REPAIRS	166.7250	162.2--T15	166.7250	162.2--T15	A	
1	7	COMMAND	SKU L T2	ALL DIVISIONS	151.3250	156.7--T6	159.3600	123.0--T2	A	SRA IA CMD
1	8	COMMAND	SKU L T8	ALL DIVISIONS	151.3250	156.7--T6	159.3600	103.500T8	A	SRA IA CMD
1	9	TACTICAL	CDF T9	ALL DIVISIONS	151.3850	192.8--T16	151.3850	192.8--T16	A	IA FOR SRA ONLY
1	10	AIR TO GROUND	CDF A/G 1	ALL DIVISIONS	151.2200	192.8--T16	151.2200	192.8--T16	A	IA FOR SRA A/G ONLY
1	11	AIR TO GROUND	AG-43	FOREST A/G IA	167.6000	CSQ	167.6000	CSQ	A	IA AIR/GND PRIMARY KNF
1	12	AIR TO GROUND	AG-08	FOREST A/G IA	166.8750	CSQ	166.8750	CSQ	A	IA AIR/GND SECONDARY
1	14	AIR TO GROUND	A/G TAC	ALL DIVISIONS	168.4000	CSQ	168.4000	CSQ	A	AIR TO GROUND TAC
1	15	AIR TO GROUND	CALCORD	ALL DIVISIONS	156.0750	156.7--T6	156.0750	156.7--T6	A	MEDEVAC A/G
1	16	AIR GUARD	GUARD	ALL DIVISIONS	168.6250	CSQ	168.6250	110.9	A	EMERGENCY GROUND TO AIR ONLY

5. Special Instructions:

6. Prepared By: (Communications Unit Leader) Name: JEFF DAVIS COM-L M.BEEMAN LSC2 Signature: *Jeff Davis* NB

ICS 205 IAP Page Date/Time: 07/09/2021 1500

Controlled Unclassified Information//Basic
DRAFT

MEDICAL PLAN ICS 206	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	Tennant Fire	07/9/21	14:00	7/10/21-7/14/21 07:00-19:00

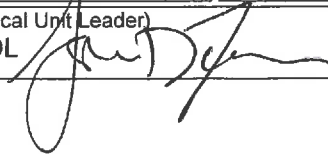
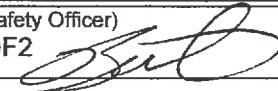
5. INCIDENT MEDICAL AID STATIONS				
MEDICAL AID STATIONS	LOCATION			PARAMEDICS
Line EMPF & EMTF	Tennant Fire			YES NO
				X

6. TRANSPORTATION				
A. AIR AMBULANCES				
NAME	LOCATION	PHONE	PARAMEDICS	
Mercy Air (Medford)	Medford OR.	911 Dispatch 530-842-3515	YES	NO
CHP (Hoist Air)	Redding, CA	911 Dispatch 530-842-3515	X	
PHI Air Medical (Redding)	Redding CA	911 Dispatch 530-842-3515	X	
Emergency Airlift (Klamath Falls)	Klamath Falls	911 Dispatch 530-842-3515	X	

B. GROUND AMBULANCES & REM TEAMS				
NAME	LOCATION			PARAMEDICS
Mount Shasta Ambulance	Mt. Shasta 911 Dispatch 530-842-3515			YES NO
Butte Valley Ambulance	Dorris CA. 911 Dispatch 530-842-3515			X

7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CTR	
		AIR	GRND		YES	NO	YES	NO
Fairchild Medical Center Level 4 Trauma Center	444 Bruce Street Yreka CA	15 min.	45 min.	530-842-4121 Lat: 41 43.20 Long: 122 38.70	X			X
Sky Lakes Medical Center Level 3 Trauma Center	2865 Dagget Ave., Klamath Falls, OR	20 min.	2 hours	541-882-6311	X			X
Asante Rogue Medical (Medford) Level II Trauma Center	2825 E Barnett Rd Medford OR	30 min.	1hr. 15 min.	541-789-7132 Lat: 42 19.10 Long: 122 49.50	X			X
Mercy Medical Center Level 2 Trauma Center	2175 Rosaline Ave, Redding CA	45 min.	2hrs. 15 min.	530-225-6000 Lat: 40 34.14 Long: 122 23.97	X			X
UC Davis Medical Center Level 1 Trauma & Burn Center	2315 Stockton Blvd, Sacramento CA	2hrs 15 min.	4hrs. 30 min	916-734-5669 Lat: 38 33.20 Long: 121 27.28	X		X	

8. MEDICAL EMERGENCY PROCEDURES	
<p>LINE "MEDICAL-EMERGENCY" PLAN:</p> <p>Crew Supervisor to contact Division Supervisor/Operations with:</p> <ul style="list-style-type: none"> • Patient Complaint, Condition and Location via Tactical or Command frequency. Priority 1/Red & 2/Yellow Patients <p>Division Supervisor/POC contacts Tennant Communications:</p> <ul style="list-style-type: none"> • Division Supervisor or *POC will run "Medical-Emergency". Contact Tennant Communications • Division Supervisor or *POC to use "Medical Incident Report" worksheet on back of this page or in IRPG. <p>*POC (Point of Contact)</p>	<p>LINE "NON-EMERGENCY INCIDENT" PLAN:</p> <p>Crew Supervisor to contact Division Supervisor with:</p> <ul style="list-style-type: none"> • Patient Complaint, Condition and Location via Tactical or Command frequency. Priority 3/Green Patients <p>Division Supervisor/POC contacts Tennant Communications</p> <ul style="list-style-type: none"> • Division Supervisor or *POC will run "Non-Emergency Incident" on the Command frequency. • Division Supervisor or *POC to use "Medical Incident Report" worksheet on back of this page or in IRPG.

ICS 206 6/2017	9. PREPARED BY: (Medical Unit Leader) Josh Fudge MEDL 	10. REVIEWED BY: (Safety Officer) Rick Bertram SOF2 
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MEDICAL PLAN (ICS 206 WF)

Controlled Unclassified Information//Basic

Medical Incident Report																													
<p>FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.</p> <p>FOR A MEDICAL EMERGENCY: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.</p>																													
<p>Use the following items to communicate situation to communications/dispatch.</p>																													
<p>1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report) <i>Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."</i></p> <p>2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure. <i>Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."</i></p>																													
Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2^o – 3^o burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious Injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2^o – 3^o burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor Injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>																												
Nature of Injury or Illness & Mechanism of Injury			<i>Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)</i>																										
Transport Request			<i>Air Ambulance / Short Haul/Hoist Ground Ambulance / Other</i>																										
Patient Location			<i>Descriptive Location & Lat. / Long. (WGS84)</i>																										
Incident Name			<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>																										
On-Scene Incident Commander			<i>Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)</i>																										
Patient Care			<i>Name of Care Provider (Ex: EMT Smith)</i>																										
<p>3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient as applicable (start with the most severe patient)</p> <p>Patient Assessment: See IRPG page 106</p> <p>Treatment:</p>																													
<p>4. TRANSPORT PLAN:</p> <p>Evacuation Location (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.) Patient's ETA to Evacuation Location:</p> <p>Helispot / Extraction Site Size and Hazards:</p>																													
<p>5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:</p> <p><i>Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication</i></p>																													
<p>6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Function</th> <th style="width: 20%;">Channel Name/Number</th> <th style="width: 15%;">Receive (RX)</th> <th style="width: 15%;">Tone/NAC *</th> <th style="width: 15%;">Transmit (TX)</th> <th style="width: 25%;">Tone/NAC *</th> </tr> </thead> <tbody> <tr> <td>COMMAND</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AIR-TO-GRND</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TACTICAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *	COMMAND						AIR-TO-GRND						TACTICAL					
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<p>7. CONTINGENCY: Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.</p>																													
<p>8. ADDITIONAL INFORMATION: Updates/Changes, etc.</p>																													
<p>REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.</p>																													

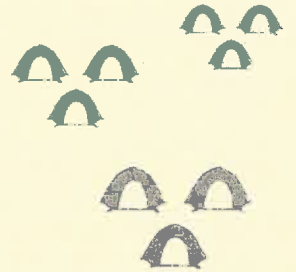
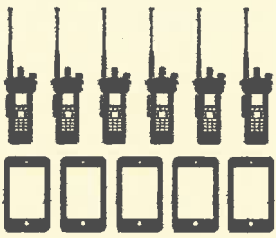
Prevention and Management of COVID-19 During Wildland Fire Operations

Keep yourself and your peers safe by practicing these measures whenever possible

Practice Social/Physical Distancing

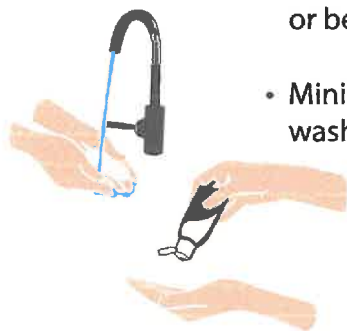
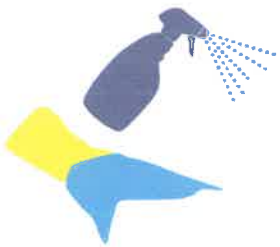


- Do not gather in groups or shake hands.
- Hold necessary meetings outside and maintain a social distance of 6 feet.
- Use radios, remote units, and virtual technology for communications as much as possible.
- Establish smaller spike camps to insulate crews/modules from each other and outside personnel and resources (Module as One).
- Keep newly onboarded crewmembers separate for 2 weeks.
- Create separate spaces in offices and housing and stagger work hours.
- Wear cloth face coverings and practice hand hygiene when riding in vehicles or coming into contact with outside resources, personnel, or the general public.



Clean and Disinfect

- Clean and disinfect shared areas and high touch surfaces in workplaces, vehicles, and housing at regular intervals.
- Use appropriate PPE and follow product label instructions when cleaning and disinfecting.
- Do not share dishes, drinking glasses, cups, eating utensils, towels, or bedding without appropriately sanitizing them.
- Minimize equipment sharing, disinfect equipment, and wash/sanitize hands before and after use.



Maintain a Healthy Workforce



- Monitor your own health and maintain awareness of symptoms.
- Prioritize rest, proper hydration, and nutrition to reduce cumulative fatigue.
- Practice rigorous sanitation and personal hygiene, including covering coughs and sneezes and washing/sanitizing hands.
- Conduct symptom screening, including temperature checks, at duty stations or on incidents.
- Mitigate smoke exposure whenever possible.
- Assign at-risk individuals to duties that reduce their potential for contracting the illness.

98.6 °F



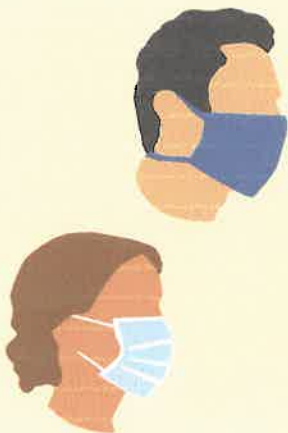
Prevent the Spread of COVID-19



- Separate sick individuals; provide a separate bedroom, bathroom, and essential supplies.
- Sick individuals must wear a face mask or cloth covering over their nose and mouth and maintain a 6-foot distance.
- Seek immediate medical attention if someone develops emergency warning signs for COVID-19.
- Only discontinue isolation after meeting CDC criteria.



Understand Different Face Coverings



- Cloth face coverings over the mouth and nose are not PPE and should be washed with soap and water after each use.
- Disposable face and surgical masks covering the mouth and nose are not PPE and should be discarded after one use.
- N95 filtering facepiece respirators are PPE and have a close facial fit and efficient filtration of airborne particles.



Other Resources

- Centers for Disease Control and Prevention:
<https://www.cdc.gov/coronavirus/2019-ncov/>.
- National Wildfire Coordinating Group:
<https://www.nwccg.gov/committees/emergency-medical-committee/infectious-disease-guidance>.



