# ELK COMPLEX Incident Action Plan August 1-2, 2007 1800 - 0800 Maintain Situational

## Awareness

## NIGHT OPERATIONS

- o Use your daylight hours for familiarization
- Use most experienced drivers
- Use appropriate warning devices

> DRIVING ISSUES

- Use extreme caution
- All roads are unforgiving
- Seatbelts on at all times

> HAZARD TREES

o Identify & Flag

- Stay Alert for Uphill Trees
   FOOTING
  - Watch your footing
  - o Think before you move
  - Watch out for Rolling Material

Always do a Risk Analysis Before You Engage in any Operation CA-KNF-0003176 KLAMATH NATIONAL FOREST Northern California Incident Management Team 1

	1. Incident Name	•	2. Date Prepared	3. Time Prepared			
Incident Objectives	EL	K COMPLEX	08/01/07	1130			
4. Operational Period							
08/01/07	Wednesday	Night Shift 1800 - 0800					
5. General Control Objectives for the incident SAFETY Safety is a CORE VALUE and is to be CONTROL OBJECTIVES Keep fires: West of Grider Ridge East of Siskiyou Wilderness South of Slater Butte North of Pigeons Roost Protect communities of Happy Camp, Mitigate impacts to cultural and natura Ensure ground and aviation suppress	(include alterna e integrated into Elk Creek and al resources.	tives) all incident activities. outlying private properties					
6. Weather Forecast for Period See attached spot weather forecast.							
7. General Safety Message							
Stay aware of the surrounding environment. Current burning conditions and fire behavior are picking up. Post lookouts, and identify escapes routes. Other hazards to be aware of are steep, rocky terrain, rolling materials, and very hazardous driving conditions.							
8. Attachments (mark if attached)							
✓ Organization List - ICS 203	] Incident Map		Fire Behavior For	ecast			
Div. Assignment Lists - ICS 204	] Safety Messa	age 🖌	Human Resource	Message			
Communications Plan - ICS205	] Traffic Plan		Phone List				
Medical Plan - ICS 206	] Camp Map		Unit Log				
Air Operations Summary - ICS 220	Fire Weather	—	Traffic Map				
9. Prepared by (Planning Section Chief)		10. Approved by (Incident Co	mmander)				
Mark Wurdeman, PSC2		Kent Swartzlander, IC					
ICS 202	Fina	l	Page of	ICS 202 Forms			

ORGANIZAT	ION ASSIG	NMENT LIST	9. (	Operation	s Section
1. Incident Name			Operations	•	PETE DUNCAN / ALEC LANE (T)
ELK COMPLEX			Planning Operations		PAUL A BANNISTER
2. Date Prepared 08/01/07	3.	Time Prepared 1130	а.	Div	visions
4. Operational Period 08/01/07 Wednes	day Night	Shift 1800 - 0800	ALL DIVISIONS		
Position		Name	Division N/O		
5. Incident	Commande	er and Staff	Division T		
Incident Commander	KENT SWA	RTZLANDER	Division U		
Deputy	DAVE SIN	CLEAR			
Safety Officer	J. MACKENS	EN / R. VERDIE	_		
Information Officer	YVONNE JO	NES / PHYLLIS SWANSON			
Human Resource Officer	MIKE BAIN	IES	b.	Div	visions
6. Age	ncy Repres	entative	Division A/B		
Agency	Name		Division C		
Agency Administrators	ALAN VAN	DIVER / DON HALL	Division DD		
Resource Advisor	GARR ABE	BAS			
Karuk Tribe	HAROLD TRIPI	P / NORM GOODWIN	Firing Group		
Technical Spec	BOB RONS	SE			
Cal Fire; Siskyou Sheriff Office: OES Fire;HCVFD	JOHN EVANS /	DAN TINNEL / KIRK EDIE			
7. F	Planning Se	ction	С.	Di	visions
Chief	GARY RIS	LING	Division P		
Deputy	MARK WU	RDEMAN	Division Q		
Resources Unit	L. CHARBON	NIER / R. MUSTATIA (T)	Division R		
Situation Unit	KEIJI SETA	(T) / BERT BYERS (T)	Division S		
Documentation Unit					
Demobilization Unit	GARY DEE	301			
Fire Behavior Analyst	HUGH SC/	ANLON			
Meterologist	BRETT LU	TZ	d	Air Opera	tions Branch
Training Specialist	DOMINIC F	PANNO	Air Operations Branch D	irector	ERICH SCHWAB
GIS Specialist	K. FELKER	/ S. CMEHIL-WARN	Helibase Manager		
Computer Specialist			Air Attack Supervisor		STAN KUBOTA
			Air Support Supervisor		
			Helicopter Coordinator		
8. Lo	ogistics Sec	tion	Air Tanker Coordinator		
Chief		MERY / G. MOON (T)	10.	Financ	e Section
Deputy	MIKE JELL	ISON	Chief		LOIS CHARLTON
Supply Unit	ТОМ Ј СН	ARLTON	Deputy		
Facilities Unit	FRANK DE	LCARLO	Time Unit		SISSIE ANZORA
Ground Support Unit		EL / JOHN CAMACHO	Procurement Unit		
Communications Unit	KEN EARL	E (T)	Compensation/Claims U	nit	MONA LAKE
Medical Unit		. ,	Cost Unit		ADELE HENDERSON
Security Unit	TOM DOD		Prepared by (Resource		
Food Unit	JAY WEST				,
	0,11 10201				

Division Assignment List			1. Branch				2. Divi	2. Division/Group All Divisions		
3. Incident Name ELK C	4. Operational I	Period 8/01/07	Wee	dnesda	v Night 9					
5.			Operatio			liesua	y Night C	51111 1000 -	0000	
Operations Chief			operatio	Division		Supervis	or			
Operations Chief				Air Attac	-	-				
Branch Director				Safety C	-					
6.			Resources A			od				
Strike Team/Task Force/	Resource D	esignator	Leader		Num of	Trans.	Drop Off	PT /Time	Pi	ck Up PT./Time
ENGINE3 S/T 4660C		_	FFIN / LANGLO	(T) 2I	Pers. 27	Y/N N	2.00 0			
		GRI		13 (1)	21	IN				
7. Control Operations										
Patrol and mo	o-up.									
8. Special Instructions										
Pick up all tras Return all back										
		or mop-up mu	st be kept 300 ft	from wa	aterwa	/S.				
9. Function Frequ			vision/Group Com				Chanzal	0		Changel
· · · · · ·	ency - RX .7000N	Frequency - TX 170.9750N	Tone		stem RSC		Channel 1	System	I	Channel
	.6125N	168.4000N			RSC		2			
	.0125N .0375N	167.3250N			RSC	_	3			
	.0570N	168.0500N			RSC		5	NIFC TA	C-1	
Prepared by (Resource U			 roved by (Planning :				Date Prepa			Prepared
			Wurdeman		- • /			01/07		1130

#### Fire Weather Forecast

FORECAST NO: 37

NAME OF FIRE: Elk Complex

PREDICTION FOR: NIGHT SHIFT

SHIFT DATE: August 1-2, 2007

TIME AND DATE1000 PSTFORECAST ISSUED:August 1, 2007

UNIT: Klamath NF

SIGNED:

Incident Meteorologist Brett T. Lutz

<u>WEATHER DISCUSSION</u>: Limited mid-high level moisture moving over the area will continue to bring a slight chance of dry thunderstorms to the Elk Complex this evening and, again, on Thursday. The threat will be higher to the north and east. Strong upper level High pressure will begin to weaken on Thursday. Offshore flow will weaken tonight, but poor RH recoveries are still expected at higher elevations.

#### WENESDAY NIGHT:

**WEATHER:** A slight chance of dry thunderstorms in the evening, with a higher chance east and northeast of the Elk Complex. Otherwise Mostly Clear and very dry. Smoke gathering below the inversion after 9-10pm.

MIN TEMPERATURES: Lows 57-64 above 2500ft, 64-69 below 2500ft.

Trend: Up 1-2.

MAX HUMIDITY: 40-55% ridges, 55-75% upper slopes to 2000ft, 75-95% 2000ft-valleys, highest west of Titus ridge. *Trend: Up 5-10%.* 

20 foot WINDS:

**RIDGETOP/Upper Slopes-** NW-W 7-12 mph with gusts 12-16 mph in the evening. Wind diminishing and becoming NE-SE 5-10mph after midnight. *Trend: Down 0-3.* 

Other Slopes/Valleys- Upslope 6-10mph, except southwest up-valley 5-10mph with gusts 10-15mph in the Klamath River Canyon through 8-9pm. Wind then becoming down-

slope and down-valley 3-6 mph. Trend: Little change.

#### HAINES: 4 (Some instability above the fire)

STABILITY/INVERSION: Inversion reforming near 5500 feet MSL around 10-11pm.

#### THURSDAY:

WEATHER: Mostly Sunny. Smoke S-W of active fires til 2-4pm. Scattered high based build-ups and a slight chance of afternoon-evening dry T-storms. Isolated T-storms expected north and east of the Elk Complex. TEMPERATURES: 100-105 below 2000ft, 93-99 2000-3500ft, 87-92 above 3500 ft. *Trend: Down 2-4, except no change along the Klamath River.* 

MIN HUMIDITY: 18-28% below 2500 feet, 28-38% above 2500 feet. *Trend: Up 5-10%.* 20 foot WINDS:

**RIDGETOP-** SE 5-10 mph through 10am then becoming W 7-12 with gusts 12-17mph. *Trend: Up 2-3 in the afternoon..* 

**SLOPE/VALLEY-** Down-slope and down-valley 3-6mph through 10am, becoming upslope and up valley 6-10 mph in the afternoon. SW gusts 12-17mph along the Klamath in the afternoon. *Little change, except up 2 along the Klamath..* 

STABILITY/INVERSION: Haines=> 3. Inversion near 5500 feet MSL, breaking at 2-4pm.

**EXTENDED FORECAST:** Friday through Sunday. Mostly Clear and not as hot. Cooling with generally higher RH each day. Smoke late night-mornings. Highs 78-88 mid-upper slopes/ridges, 88-98 low to mid-elevations. Lows in the mid 50s to mid 60s. Min RH 20-30% lower slopes, ridge/upper slopes 40-55%.

#### WEATHER INFORMATION:

Klamath Canyon (930 ft): Low Tuesday A.M. 60 Max Humidity 90% @ 0630 Happy Camp (1500 ft): Low Tuesday A.M. 58 Max Humidity 70% @ 0615 Titus FRWS-17 (3700 ft): Low Tuesday A.M. 66 Max Humidity 59% @ 0635 Slater Butte (4670 ft): Low Tuesday A.M. 69 Max Humidity 34% @ 0545

#### FIRE BEHAVIOR FORECAST NO. 30

NAME OF FIRE: <u>Elk Complex</u>	PREDICTION FOR: <u>Night Shift</u>
AGENCIES: USFS, BLM, BIA, Siskiyou SO, CDF	SHIFT DATE: <u>08/01/07 (Wednesday)</u>
TIME AND DATE	SIGNED: H. Scanlon, FBAN
FORECAST ISSUED: 08/01/07 1000 Hours	

**WEATHER SUMMARY:** Slight chance of evening dry thunderstorms. Clear, temps from 57° to 67°F on upper slopes, poor humidity recovery with RHs 30 - 60%, and evening winds 5 - 10, north becoming SE on ridges, slopes becoming down valley 3 - 6 mph. See attached fire weather forecast issued 8/01/07 at 1000 hours.

#### FIRE BEHAVIOR GENERAL:

Expect active ground fire activity tonight, slow spread rates with occasional torching, diminishing after midnight, with concentrated burning in fuel jackpots. The topography is very complex, steep, and rugged. Fuels are primarily brush, plantations, and timber, with some rocky areas supporting sparse vegetation. Humidity recovery will be poor tonight on ridges. Fire spread is enhanced by short range spotting near burning snags and jackpots. Remain alert for rolling material.

The Denavior – Optimal angument								
Fuel Type	ROS (ft./min) Fwd.	ROS Flank	<b>ROS Back</b>	FL (ft.)	Spotting (mi.)	pI		
Sh3 Moderate load	3 - 5	04	02	1 - 3	.15	27		
shrub,								
Plantations								
T18 Timber litter	1 - 6	05	03	1 - 3	.19	27		

Fire Behavior – Optimal alignment

**Local Thresholds:** These factors in combination with a high ERC may greatly increase fire behavior: 20' wind speed over 7 mph; RH less than 25%; temperature over 81°; ERC over 46. Average BI for late-July: 64.

Observed ERC/BI Oak Knoll 7-31: 61 / 52 Predicted ERC/BI 8-01: 62 / 52

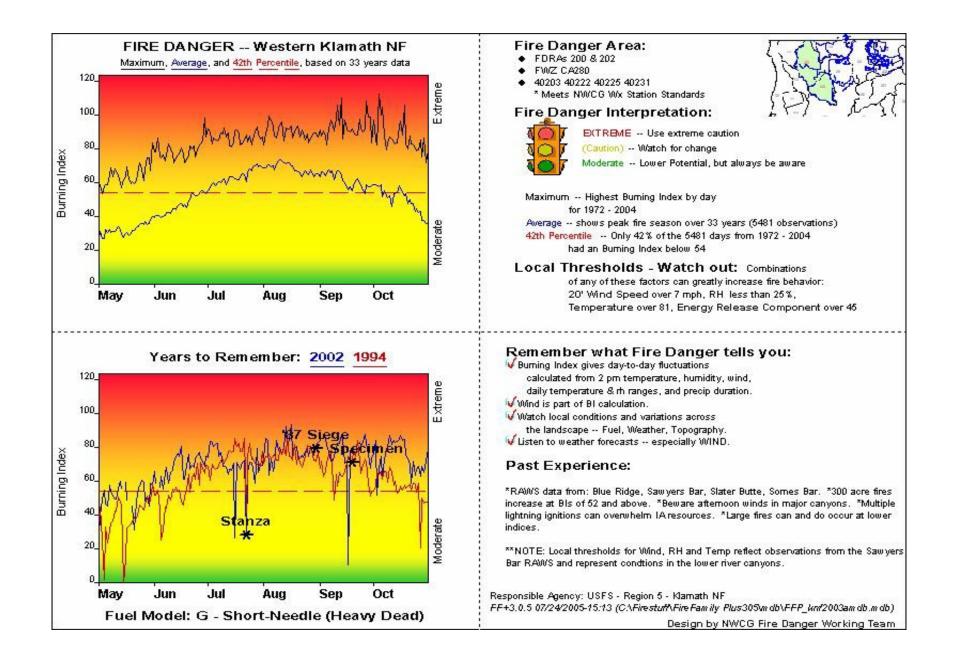
#### **SPECIFIC:**

<u>All Divisions:</u> Ground fire with slow spread. Roll out may produce short head runs. Heavy fuel jackpots will burn actively through the evening. Snags may produce short range spotting. Keep some eyes on the green, where undetected heat may become active spot fires. Downslope winds will draw most heat back into the burn, favorable for patrol and holding. Should thunderstorm activity occur over the fire, outflow winds can push active fire in all directions and may lead to extreme fire behavior. Fire activity should diminish after midnight on lower slopes, but may persist near ridges with the poor humidity recovery and winds.

AVIATION OPERATIONS: Air operations should be available until night cutoff.

**SAFETY:** While the chance is slight, remain aware of thunderstorm potential over the fire. Strong outflow winds can fan embers and push active fire out in all directions. Consider your engagement strategy. Review **Pocket Guide (IRPG) Page 75 on Thunderstorm Safety** as part of your crew safety briefing.

Sunset: 2030 Sunrise: 0609



INCIDEN	T RADIO COMMUN	ICATIONS PLAN	1. INC	CIDENT NAME	2. DATE / TIME PREPARED 08/01/07 0830	3. OPERATIONAL PERIOD 08/01/07 1800-0800
		4. BASIC	CRADIO	CHANNEL UTILIZATION		
SYSTEM / CACHE	CHANNEL	FUNCTION		FREQUENCY	ASSIGNMENT	REMARKS
NIRSC	1	NIFC C-1		168.7000 N 170.9750 N	COMMAND NORTH	
NIRSC	2	NIFC C-4	Rx	166.6125 N 168.4000 N	COMMAND EAST	
NIRSC	3	NIFC C-12	Rx	173.0375 N 167.3250 N	COMMAND SOUTH	
NIRSC	4	KNF ORANGE		168.7750 N 170.5750 N	FOREST NET RPT	USE TONE 2, 4, 11
NIRSC	5	NIFC TAC-1		168.0500 N 168.0500 N	ALL NIGHT UNITS	
NIRSC	6	NIFC TAC-3	Тх	168.6000 N 168.6000 N		
NIRSC	7	BLM TAC-1	Тх	166.7250 N 166.7250 N		
NIRSC	8	BLM TAC-2	Тх	166.7750 N 166.7750 N		
NIRSC	9	BLM TAC-3	Тх	168.2500 N 168.2500 N		
NIRSC	10	R5 TAC-6	Тх	173.9875 N 173.9875 N		
NIRSC	11	AIR TO GROUND	Тх	165.6000 N 165.6000 N	ALL AREAS A/G	
NIRSC	12		Rx Tx			
NIRSC	13	R5 TAC-4	Тx	173.9125 N 173.9125 N	MEDICAL EVAC	FOR MEDICAL EVAC USE ONLY
NIRSC	14	AIR GUARD	Тх	168.6250 N 168.6250 N	AIR GUARD	EMERGENCY USE ONLY
NIRSC	15		Rx Tx	469 6950 N		
NIRSC	16	AIR GUARD		168.6250 N 168.6250 N	AIR GUARD	EMERGENCY USE ONLY
ICS 205 9/86 NFES 1330		(COMMUNICATIONS UNIT)				

MEDICAL PLAN		1. INCIDENT NAM			te epared 1 <b>-07</b>	3. TIME PREPARED 1000hrs		4. OPERATIONAL PER 8/1/07 1800-080			-
		5. I	NCIDENT MI	EDICAL AID	STATIONS	6					
MEDICAL AID ST	ATIONS				LOC	ATION				PARAN YES	MEDICS NO
Frontline Medical			Elk ICP							XX	
			6. TRAN	NSPORTATI	ON						
NAME			01 11 4 4		DRESS		E	PHONE	=	PARA	MEDICS
Happy Camp Ambulance Medic 23	3		Happy Carr				530-49			YES	NO XX
Mercy Flight			Medford, O	R			<b>911</b> /53	30-842	2-7066	XX	
CHP H-14, H-16 (Rescue Hoist)			Redding, C	A			<b>911</b> /53	30-842	2-7066	XX	
REACH			Redding, C	A			<b>911</b> /53	30-842	2-7066	XX	
	1		7. H			T	 I				
NAME		ADDRESS		AIR	EL TIME GRND	PHONE		HELI YES	NO	YES	CENTER NO
Fairchild Medical Center	444 Br	uce Street, Yreka	CA	15 min	1.5 hr	530-842-4121			Х		Х
Rouge Valley Medical	2525 B	arnet, Medford O	R	20 min	2.5 hr	541-608-4144	ļ	х			Х
Shasta Regional Medical Center	1100 E	utte, Redding CA	۱.	30 min	3 hr	530-243-4042	530-243-4042				х
UC Davis Burn Center CA 2315 Stockton Blvd., Sa		tockton Blvd., Sa	cramento	2 hr	6 hr	916-734-3544 Blue Net 155.3	-	Х		х	
Mercy Med Center Level 2 Trauma	2175 F	osaline Ave, Red	lding CA	30 min	3 hr	530-225-7201		Х			х
**Two EMT Paramedics with L "Elk Rescue Group" through C		ications. SOF N	<i>l</i> ackensen	will overse	e all techni	ical rope rescu					
<ul> <li>8. MEDICAL EM</li> <li>In the event of a line medical incident, initiate care with available resources and notify Division Supervisor.</li> <li>The Division Supervisor and/or Line SOF shall determine if the injury can be handled with available resources and recommend the most appropriate method of transportation (Air/Ground).</li> <li>For serious or life threatening injuries, the Division Supervisor and or Branch Director shall contact the Communications Unit to advise the nature and location of the incident and request appropriate additional resources.</li> <li>The Communications Unit shall limit all non essential traffic on command by declaring a "Medical Emergency" and shall then notify the Medical Unit, Safety Officer, and Operations Section Chief of the incident.</li> <li>The Division Supervisor shall coordinate the incident and direct necessary actions.</li> </ul>				√ □ Patier □ Emer □ Is a h Yes □ Locat Lat □ Age □ Sever Immedia □ Chief	nt 1 of gency elicopte _ No_ ion ion ion ion ion compla	Non I Non I	for tra	ansp eight	ortati 	on?	

ICS 206	9. PREPARED BY (MEDICAL UNIT LEADER) Ken Kumpe MEDL	10. REVIEWED BY (SAFETY OFFICER) Jim Mackensen SOF2
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## **Injury or Incident Communications Protocol**

#### Notify the Communications Unit (ICP) on Command Channel

#### Provide the following information - Do not transmit the injured persons name

Location						
Situation						
Any special equipment required						
Number of injured Type of injuries						
Immediate transport required: Yes No						
Best method: Ambulance Helicopter Vehicle						
Closest pick up point (DP, Helispot)						

### **Radio procedures for Communications Unit at ICP**

- 1. Clear the Command or other appropriate channel for Emergency traffic
- 2. Communications unit will notify the DIVS, OSC, SOF, Med Unit Leader and IC. IC will notify PSC, LSC and PLAN OPS if declaring "Incident with-in an Incident."
- 3. Notify Air OPS if air transport is requested

#### Additional Patient Information: PATIENT #1

Age	Gender Agency/Position
LOC	Vital Signs
Injury	
	Medical History/Allergies
PATIENT #2	
Age	Gender Agency/Position
LOC	Vital Signs
Injury	
	Medical History/Allergies

## ELK COMPLEX - INCIDENT RISK ANALYSIS (215a)

DIV         HAZARDS / ISSUES         INITIGATIONS / WARNINGS / REMEDIES           ALL         SNAG HAZARDS         • Follow Hazard Tree Safety Guidelines (IRPG p. 80). • Limit number of personnel around snags and their exposure time, failers must be qualified for trees being failen. • Be especially alert around snags and their exposure time, failers must be qualified for trees being failen. • Drive defensively at all times, drive wheadlights on, use chock blocks, • Maintain Stututional Awareneess!           ALL         DRIVING HAZARDS         • Drive defensively at all times, drive wheadlights on, use chock blocks, • Coordinate movement of Day/Night Shift resources with Division Supervisor's • Exercise caution when driving on "out-sloped" roads. • Be alert for wildlife, slow down on washboard surfaces. • Increase following distances on dusty roads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves. • Watch for Deer/Elk along Hwy. 96 • Maintain Stutational Awareness!           ALL         FIRING OPERATIONS         • A written guideline shalt be prepared and approved for major burning ops. • Outduct thorough hering for al presonnel (inside rear cover IRPG). • Qualified personnel for all personnel involved. • Estable LCES process (RPC p. 16) for implementing the plan. • Required PPE to be worn by al personnel involved. • Estable LCES process (RPC p. 16) for implementing the plan. • Required PPE to be worn by all personnel involved. • Estable LCES process (RPC p. 16) for implementing the plan. • Required PPE to be worn by all personnel involved. • Estable LCES process of the process (RPC p. 6). • Assign an over-all Firing Boss to condinate ignitions when simultaneous burning operations are planeed for multips lecators. • Use conclase statements & dock directions when directing aircr		i .	A - INCIDENT RISK ANALTSIS (2158)				
ALL         FIRING <ul> <li>Limit number of personnel around snags and their exposure time; fallers must be qualified for trees being fallen.</li> <li>Be especially alert around snags during wind events and after dark.</li> <li>Check overhead for dead branches in sleeping areas.</li> <li>Maintain Situational Awareness!</li> </ul> ALL             DRIVING HAZARDS                Be especially alert around snags during wind events and after dark.               Check overhead for dead branches in sleeping areas.               Maintain Situational Awareness!               ALL                DRIVING HAZARDS               • Exercise caution when driving on "out-sloped" roads.               • Exercise caution when driving on "out-sloped" roads.               • Be aler for wildfile; slow down on washocard surfaces.               • Increase following distances on dusty roads.               • Watch for Deer/Ek along Hwy. 96               Maintain Situational Awareness!               ALL             Arwittin guideline shall be propared and approved for major burning operations (RPG p. 6).               • Awarittin guideline shall be propared and approved for major burning operations (RPG p. 6).               • Asign an over-all Filmig Doss to coororinte ignintows when simidaneous burning operations		HAZARDS / ISSUES					
ALL         AIRCRAFT OPERATIONS <ul> <li>Be alter or und snaps during wind events and after dark.</li> <li>Check overhead for dead branches in sleeping areas.</li> <li>Maintain Situational Awareness!</li> <li>ALL</li> <li>DRIVING HAZARDS</li> <li>Drive defensively at alt times, drive wrheadlights on, use chock blocks, use backers.</li> <li>Coordinate movement of Day/Night Shift resources with Division Supervisor's</li> <li>Exercise caution when driving on "out-sloped" roads.</li> <li>Be aler for wildlife; slow down on washboard surfaces.</li> <li>Increase following distances on dusty roads.</li> <li>Solution on the shaft of the visible distance on blind curves.</li> <li>Watch for Deer/Elk along Hwy. 96</li> <li>Maintain Situational Awareness!</li> <li>Conduct thorough briefing for all personnel (inside rear cover IRPO).</li> <li>Qualified personnel for all assignments. Trainees to have qualified trainers.</li> <li>Utilize Risk Mgm. Process (IRPO p. 1) for implementing the plan.</li> <li>Required PPE to be worn by all personnel (inside rear cover IRPO).</li> <li>Assign an over-all Finilg Bots to coordinate ignitions when simultaneous burning operations are planned for multiple locations.</li></ul>	ALL	SNAG HAZARDS					
ALL         DRIVING HAZARDS         • Be especially alert around snags during wind events and after dark.           ALL         DRIVING HAZARDS         • Drive defensively at all times, drive witheadlights on, use chock blocks, use backers.           • Coordinate movement of Day/Night Shift resources with Division Supervisor's         • Exercise caution when driving on "out-sloped" roads.           • Be aler for wildlife; slow down on washboard surfaces.         • Increase following distances on dusty roads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves.           ALL         FIRING         • A writen guideline shall be prepared and approved for major burning ops.           • Conduct thorough briefing for all assignments. Trainees to have qualified trainers.         • Utilize Risk Myn. Process. (IRPG p. 1) for implementing the prepared and approved for major burning ops.           • A writen guideline shall be prepared and approved for major burning operations are planned for multiple locations.         • A writen guideline shall be prepared and approved for major burning operations are planned for multiple locations.           ALL         AIRCRAFT         • A writen guideline shall be prepared and approved for major burning operations are planned for multiple locations.           ALL         AIRCRAFT         • Use risk analysis to determine if any given flight is necessary.           • Keep personnel out of drop zones.         • Use arisk analysis to determine fram given flight.           • Use arisk analysis to determine farming ana							
ALL       DRIVING HAZARDS       • Check overhead for dead branches in sileeping areas.         ALL       DRIVING HAZARDS       • Drive defensively at all times, drive w/headlights on, use chock blocks, use backers.         Coordinate movement of Day/Night Shift resources with Division Supervisor's Supervisor's contact in the institutional wareness!       • Coordinate movement of Day/Night Shift resources with Division Supervisor's end usby reads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves.         ALL       FIRING       • A writen guideline shall be prepared and approved for major burning ops.         OPERATIONS       • A writen guideline shall be prepared and approved for major burning ops.         OPERATIONS       • A writen guideline shall be prepared and approved for major burning ops.         OPERATIONS       • A writen guideline shall be prepared and approved for major burning ops.         • Conduct thorough briefing for all personnel involved.       • Establish LCS prior to implementing burning operations (IRPG p. 6).         • A sing an over-all Fing Boss to coordinate ignitions when simultaneous burning operations are planned for multiple locations.       • Use arisk analysis to determine if any given flight is necessary.         ALL       AIRCRAFT       • Use risk analysis to determine if any given flight is necessary.         • Use arisk analysis to determine if any given flight is necessary.       • Use arisk analysis to determine if any given flight is necessary.         ALL							
ALL         DRIVING HAZARDS         • Maintain Situational Awareness!           ALL         DRIVING HAZARDS         • Drive defensively at all times, drive w/headlights on, use chock blocks, use backers.           • Coordinate movement of Day/Night Shift resources with Division Supervisor's         • Exercise caution when driving on "out-sloped" roads.           • Be alter for wildlife; slow down on washboard surfaces.         • Increase following distances on dusty roads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves.           ALL         FIRING         • A written guideline shall be prepared and approved for major burning ops.           • Conduct thorough briefing for all personnel (inside rear cover IRPG).         • Qualified personnel (tor all assignments. Trainees to have qualified trainers.           • Utilize Risk Mgmt. Process (IRPG p. 1) for implementing burning operations are planned for multiple locations.         • Utilize Risk Mgmt. Process (IRPG p. 6).           • A skign an over-all Fring Bosts to coordinate inglinots when simultaneous burning operations are planned for multiple locations.         • Utilize Risk Mgmt. Process (IRPG p. 7) for implementing burning operations are planned for multiple locations.           ALL         AIRCRAFT OPERATIONS         • Use risk randysis to determine if any given flight is necessary.           • Keep personnel out of drop zones.         • Use arisk randysis to determine if any given flight is necessary.           • Keep personnel out of drop zones.         • Use arist-oground for							
ALL         DRIVING HAZARDS <ul></ul>							
ALL         FIRING         use backers.         • Coordinate movement of Day/Night Shift resources with Division Supervisor's           • Exercise caution when driving on "out-sloped" roads.         • Exercise caution when driving on "out-sloped" roads.           • Be aler for wildlife; slow down on washboard surfaces.         • Increase following distances on dusty roads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves.           ALL         FIRING         • A written guideline shall be prepared and approved for major burning ops.           • Conduct thorough briefing for all personnel (Inside rear cover IRPG).         • Qualified personnel for all assignments. Trainees to have qualified trainers.           • Utilize Risk Mgmt. Process (IRPG p. 110 implementing the plan.         • Required PPE to be worn by all personnel involved.           • Establish LCE prior to implementing burning operations (IRPG p. 6).         • Assign an over-all Firing Bos to coordinate lightions when simultaneous burning operations are planned for multiple locations.           ALL         AIRCRAFT         • Use risk analysis to determine if any given flight is necessary.           • Keep personnel out of drop zones.         • Use risk analysis to determine if any given flight is necessary.           • Keep personnel out of drop zones.         • Use risk analysis to determine if any given flight is necessary.           • Maintain good separation between ground forces & aerial ignition.         • Maintain analysis to determine if any given flight is necessary.<	ALL	DRIVING HAZARDS					
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ALL         FIRING OPERATIONS <ul> <li>Be alert for wildlife; slow down on washboard surfaces.</li> <li>Increase following distances on dusty roads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves.</li> <li>Watch for Deer/Elk along Hwy. 96</li> <li>Maintain Situational Awareness1</li> <li>A written guideline shall be prepared and approved for major burning ops.</li> <li>Conduct thorough briefing for all personnel (inside rear cover IRPG).</li> <li>Qualified personnel for all assignments. Trainees to have qualified trainers.</li> <li>Utilize Risk Mgmt. Process (IRPG o. 1) for implementing the plan.</li> <li>Required PPE to be worn by all personnel involved.</li> <li>Establish LCES prior to implementing the plan.</li> <li>Required PPE to be worn by all personnel involved.</li> <li>Establish LCES prior to implementing the plan.</li> <li>Required PPE to be worn by all personnel involved.</li> <li>Establish LCES prior to implementing the plan.</li> <li>Required PPE to be worn by all personnel involved.</li> <li>Establish LCES prior to implementing the plan.</li> <li>Required PPE to be worn by all personnel involved.</li> <li>Establish LCES prior to implementing the plan.</li> <li>Vase airt-oground freq. to communicate with aircraft.</li> <li>Use airt-oground freq. to communicate with aircraft.</li> <li>Use airt-oground freq. to communicate with aircraft.</li> <li>Maintain good separation between ground forces &amp; aerial ignition.</li> <li>Avoid "heli-mopping". Eliminate unnecessary Maintain 2:1</li></ul>							
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ALL       THUNDERSTORMS <ul> <li>Be alert for signs of heat stress in yourself and others.</li> </ul> ALL         THUNDERSTORMS <ul> <li>Chance for Dry Lightning</li> <li>Review "Thunderstorm Safety" (IRPG p.75)</li> <li>Allow plenty of time to get to safety due to difficult terrain</li> <li>Allow plenty of time to get to safety due to difficult terrain</li> <li>Allow plenty of time to get to safety due to difficult terrain</li> <li>When walking through steep, rocky, and possibly wet terrain, watch footing and maintain proper spacing.</li> <li>Watch for over-head hazards, carry tools downhill side.</li> <li>Treat "hot spots" on feet before they become blisters</li> </ul> ALL         AREA YOU HAVE NOT SEEN IN DAYLIGHT <ul> <li>All fire environment issues are even more dangerous</li> <li>Use your available daylight to get some good SA</li> <li>Use your available daylight to get some good SA</li> <li>Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift.</li> <li>Maintain adequate escape routes and safety zones. Set trigger points.</li> <li>Maintain Situational Awareness!</li> </ul> 8/1/2007     NIGHT     PREPARED: 08/1/2007 at 1000     Prepared by Jim Mackensen		FATIGUE	work/rest ratio. Monitor incoming resources for level of fatigue.				
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Maintain Situational Awareness!     8/1/2007 NIGHT PREPARED: 08/1/2007 at 1000 Prepared by Jim Mackensen							
8/1/2007 NIGHT PREPARED: 08/1/2007 at 1000 Prepared by Jim Mackensen							
	5	3/1/2007 NIGHT					

Saftey Lesson of the Day



Today's discussion is from the Miscellaneous Category.

Six Minutes Home Page

### Fatigue/Stress

Accumulated (Chronic) Fatigue is defined as fatigue from which normal rest does not produce recovery. Accumulated fatigue is often caused by extended periods of stress with inadequate recovery periods, which results in decreased productivity, compromised immune function, and reduced altertness. Fatigued workers perform poorly, behave carelessly, tolerate greater errors and become inattentive. Chronic fatigue often results in increased stress, which may present itself through certain behaviorial and physiological indicators, such as those described below:

- Decreased motivation and low morale.
- Increased irratability and depression.
- Confused, poor problem solving.
  - Poor abstract thinking
  - poor attention/decisions
  - poor concentration/memory
- Altered state of alterness.
  - A marked increased or decreased awareness of surroundings.

Physical reactions (any of these symptoms may indicate need for medical evaluation. When in doubt, contact a medical professional).

- chills
- thirst
- nausea
- fainting
- twitches
- vomiting
- dizziness
- weakness
- chest pain
- headaches
- elevated blood pressure
- rapid heart rate
- muscle tremors
- profuse sweating
- difficulty breathing

Saftey Lesson of the Day

- Extreme emotional responses.
  - fear
  - panic
  - intense anger
  - emotional outbursts
  - feeling overwhelmed
  - loss of emotional control
  - inappropriate emotional response

Social/behavorial changes.

- withdrawn
- antisocial acts
- erratic movements
- change in speech patterns
- change in usual communications
- alcohol or substance abuse

Recommendations for chronic fatigue/stress are:

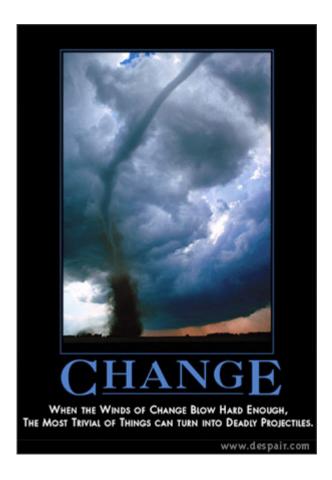
- Take longer periods of rest/recovery
- Ensure that workers are adequately rested before they begin workshifts
- Slow the work pace to a moderate level on physically demanding tasks
- · Provide periodic rest breaks to allow physical and mental recovery
- Alternate between heavy and light tasks
- Change assignments to prevent boredom
- Provide breaks, naps, or time off after tasks have been completed
- Eat well-balanced meals regularly, with energy supplements during periods of high exertion.
- Maintain hydration
- Ensure workers maintain good personal hygiene
- · maintain high standards of physical fitness and work capacity
- Seek medical attention when in doubt of symptoms
- In extreme cases, personnel may need to be relieved of their duties.

#### References:

Wildland Firefighter Health & Safety Report, USFS-Missoula Technology & Development Center

CISM Information Pamphlet, International Critical Incident Stress Found., http://www.icisf.org/

## HUMAN RESOURCE MESSAGE



If there is anyway I can assist you, please do not hesitate to contact me.



Your Human Resource Specialist, Mike Baines

UNIT	LOG	1. Incident Name	2. Date Prepared	3. Time Prepared							
4. Unit Name/Designa	tors	5. Unit Leader (Name and Position)	1	6. Operational Period							
7.	7. Personnel Roster Assigned										
Na	me	ICS Positio		Home Base							
8.		Activity Log		I							
Time			Major Events								
			y								
0. Proposed by											
9. Prepared by (Name and Position)											