

# CONSTANTIA COMPLEX

TUESDAY, JULY 27, 2010  
0600-2000

PDFM15  
(1502)

GPS: NAD 83  
FORMAT : DD MM MM

INCIDENT OBJECTIVES	1. Incident Name HOYT FIRE	2. Date August 22, 2009	3. Time 1900
4. Operational Period <b>AUGUST 23, 2009 0600 – 2000</b>			
5. General Control Objectives for the Incident (include alternatives) <b>1. Maintain Firefighter and Public Safety at all times.</b> <b>2. Restrict access to the accident investigation site.</b> <b>3. Assist with the accident investigation personnel as needed.</b> <b>4. Manage incident in most cost effective manner, and maintain fiscal integrity.</b> <b>5. Suppression actions should be consistent with resource values to be protected.</b> <b>6. Minimize fire and suppression impacts to available forage in the Hole in the Wall grazing allotment and the Clan Alpine Horse Management Area.</b> <b>7. Minimize suppression impacts to identified cultural sites.</b>			
6. Weather Forecast for Period  <b>SEE ATTACHED WEATHER FORECAST</b>			
7. General Safety Message  <b>SEE ATTACHED SAFETY MESSAGE</b>  <h2 style="text-align: center;">REMEMBER LCES</h2>			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Medical Plan - ICS 206 <input type="checkbox"/> (Other) <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 <input checked="" type="checkbox"/> Incident Map <input type="checkbox"/> <input checked="" type="checkbox"/> Communications Plan - ICS 205      Traffic Plan <input type="checkbox"/>			
9. Prepared by (Planning Section Chief) /s/ EVAN BOSHELL		10. Approved by (Incident Commander) /S/ TOM SUWYN	
INCIDENT OBJECTIVES	1. Incident Name HOYT FIRE	2. Date August 22, 2009	3. Time 1900

4. Operational Period

**AUGUST 23, 2009 0600 – 2000**

5. General Control Objectives for the Incident (include alternatives)

1. **Maintain Firefighter and Public Safety at all times.**
2. **Restrict access to the accident investigation site.**
3. **Assist with the accident investigation personnel as needed.**
4. **Manage incident in most cost effective manner, and maintain fiscal integrity.**
5. **Suppression actions should be consistent with resource values to be protected.**
6. **Minimize fire and suppression impacts to available forage in the Hole in the Wall grazing allotment and the Clan Alpine Horse Management Area.**
7. **Minimize suppression impacts to identified cultural sites.**

6. Weather Forecast for Period

**SEE ATTACHED WEATHER FORECAST**

7. General Safety Message

**SEE ATTACHED SAFETY MESSAGE**

**REMEMBER LCES**

8. Attachments (mark if attached)

- |   |  |                                  |
|---|--|----------------------------------|
| <input checked="" type="checkbox"/> Organization List - ICS 203     | <input checked="" type="checkbox"/> Medical Plan - ICS 206 | <input type="checkbox"/> (Other) |
| <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204 | <input checked="" type="checkbox"/> Incident Map           | <input type="checkbox"/>         |
| <input checked="" type="checkbox"/> Communications Plan - ICS 205   | Traffic Plan   | <input type="checkbox"/>         |

9. Prepared by (Planning Section Chief)

/s/ EVAN BOSHELL

10. Approved by (Incident Commander)

/S/ TOM SUWYN





<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>DIVISION - A</b>						
3. Incident Name <b>CONSTANTIA COMPLEX</b>			4. Operational Period Date: <b>July 27, 2010</b> Time: <b>0600 - 2000</b>								
5. Operations Personnel											
Operations Chief		<b>Colt Mortenson</b> <b>Tracy Swenson</b> <b>Dave Koch (T)</b> <b>Brook Chadwick (T)</b>		Division/Group Supervisor		<b>Brian Keating</b> <b>Matt Filbert (T)</b>					
Branch Director				Air Attack Supervisor No.							
6. Resources Assigned this Period											
Strike Team/Task Force/ Resource Designator		Leader		Number Persons	Trans. Needed	Location./Time	Location./Time				
<b>EMTI</b>		<b>WOOLEVER</b>		<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>TFLD</b>		<b>BLUMHARDT</b>		<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>TFLD</b>		<b>LINDA FERGUSON</b>		<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>TFLD (T)</b>		<b>DICKSON</b>		<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>CRW2 WNA T</b>		<b>GRAYFIELD</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>CAL ENG S/T 9220C</b>				<b>15</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>CAL CRW S/T 9220G</b>				<b>40</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>ENG ALPINE T6</b>				<b>3</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>ENG WOODS T4</b>				<b>3</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>ENG MNF #32 T3</b>				<b>3</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>DOZER - AGENCY</b>				<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>DOZER - DELAHUNT</b>				<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>W/T - NORTHSTATE</b>				<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
<b>W/T - LYON Co.</b>				<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>				
7. Control Operations <b>PATROLLING, MOPUP 500 FT. IN FROM PERIMETER.</b> <b>ASSESS ALL STRUCTURES AND DEVELOP CONTINGENCY PLAN.</b>											
8. Special Instructions <b>TFLD BLUMHARDT TO CONDUCT STRUCTURE ASSESSMENT.</b>											
9. Division/Group Communication Summary											
Function		Frequency		System	Channel	Function		Frequency	System	Channel	
Command 1		Rx 167.100 N Tx 169.750 N Tone 146.2		King NIFC	<b>8</b>	Command 2			King NIFC		
Tactical Div./Group		RxTx 168.050 <b>N</b>		King NIFC	<b>1</b>	Air to Ground Primary		<b>166.825 N</b>	King NIFC	<b>10</b>	
Prepared by (Resource Unit Ldr.) /S/ Clark Tucker				Approved by (Planning Sect. Ch.) /s/ EVAN BOSHELL				Date July 26, 2010		Time 1900	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>DIVISION – B</b>		
3. Incident Name <b>CONSTANTIA COMPLEX</b>			4. Operational Period Date: <b>July 27, 2010</b> Time: <b>0600 - 2000</b>				
5. Operations Personnel							
Operations Chief		<b>Colt Mortenson</b> <b>Tracy Swenson</b> <b>Dave Koch (T)</b> <b>Brook Chadwick (T)</b>		Division/Group Supervisor		<b>Gary Sexton</b>	
Branch Director				Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Location./Time		Location./Time
<b>EMTP</b>	<b>ZABEL</b>		<b>1</b>	<b>N</b>	<b>FIRE/0700</b>		<b>ICP/2000</b>
<b>CRW ZEPHYR T2IA</b>			<b>20</b>	<b>N</b>	<b>FIRE/0700</b>		<b>ICP/2000</b>
<b>CRW RIFLE PEAK T2IA</b>			<b>20</b>	<b>N</b>	<b>FIRE/0700</b>		<b>ICP/2000</b>
7. Control Operations <b>SECURE FIRELINE TO TOP OF RIDGE AND ESTABLISH DEFINITIVE B/W DIVISION BREAK. COORDINATE WITH DIV. W. BEGIN MOPUP 500 FT. IN FROM PERIMETER.</b>							
8. Special Instructions <b>COORDINATE BUCKET WORK THROUGH AIR ATTACK.</b>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command 1	<b>Rx 167.100 N</b> <b>Tx 169.750 N</b> <b>Tone 146.2</b>	King NIFC	<b>8</b>	Command 2		King NIFC	
Tactical Div/Group	<b>RxTx 168.200</b> <b>N</b>	King NIFC	<b>2</b>	Air to Ground Primary	<b>166.825 N</b>	King NIFC	<b>10</b>
Prepared by (Resource Unit Ldr.) /S/ Clark Tucker		Approved by (Planning Sect. Ch.) /s/ EVAN BOSHELL			Date July 26, 2010		Time 1900

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>DIVISION – W</b>			
3. Incident Name <b>CONSTANTIA COMPLEX</b>		4. Operational Period Date: <b>July 27, 2010</b> Time: <b>0600 - 2000</b>					
5. Operations Personnel							
Operations Chief	<b>Colt Mortenson</b> <b>Tracy Swenson</b> <b>Dave Koch (T)</b> <b>Brook Chadwick (T)</b>		Division/Group Supervisor	<b>Jason Kirk</b> <b>Ken Wright(T)</b>			
Branch Director		Air Attack Supervisor No.					
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Location./Time	Location./Time		
<b>EMTP</b>	<b>ISENBERG</b>	<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
<b>TFLD</b>	<b>GREGORY</b>	<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
<b>CRW DIAMOND MTN IHC</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
<b>CRW BONNEVILLE IHC</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
<b>CRW SILVER STATE IHC</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
<b>CRW PNF #1 T2IA</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
7. Control Operations <b>IMPROVE FIRELINE TO W/B DIV. BREAK. CONDUCT BURNOUT WHERE NECESSARY. COORDINATE WITH DIV. B. BEGIN MOPUP 500 FT. IN FROM PERIMETER.</b>							
8. Special Instructions <b>COORDINATE BUCKET WORK THROUGH AIR ATTACK.</b>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command 1	<b>Rx 167.100 N</b> <b>Tx 169.750 N</b> <b>Tone 146.2</b>	King NIFC	<b>8</b>	Command 2		King NIFC	
Tactical Div/Group	<b>RxTx 168.600</b> <b>N</b>	King NIFC	<b>3</b>	Air to Ground Primary	<b>166.825 N</b>	King NIFC	<b>10</b>
Prepared by (Resource Unit Ldr.) /S/ Clark Tucker		Approved by (Planning Sect. Ch.) /s/ EVAN BOSHHELL		Date July 26, 2010		Time 1900	

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>DIVISION - U</b>			
3. Incident Name <b>CONSTANTIA COMPLEX</b>		4. Operational Period Date: <b>July 27, 2010</b> Time: <b>0600 - 2000</b>					
5. Operations Personnel							
Operations Chief	<b>Colt Mortenson Tracy Swenson Dave Koch (T) Brook Chadwick (T)</b>		Division/Group Supervisor	<b>Chris Delaney Issacson(T)</b>			
Branch Director		Air Attack Supervisor No.					
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Location./Time	Location./Time		
<b>RES ADV.</b>	<b>FRIEND</b>	<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>ICP/2000</b>		
<b>EMTP</b>	<b>NOVAKITCH</b>	<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>SPIKE/2000</b>		
<b>EMTP</b>	<b>STOWE</b>	<b>1</b>	<b>N</b>	<b>FIRE/0700</b>	<b>SPIKE/2000</b>		
<b>CRW BEAR DIVIDE IHC</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>SPIKE/2000</b>		
<b>CRW ARROWHEAD IHC</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>SPIKE/2000</b>		
<b>CRW SO. NEV. REG. T2</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>SPIKE/2000</b>		
<b>CRW E. SIERRA #4 T2IA</b>		<b>20</b>	<b>N</b>	<b>FIRE/0700</b>	<b>SPIKE/2000</b>		
7. Control Operations <b>COMPLETE FIRELINE AND BEGIN MOPUP 500 FT. IN FROM PERIMETER.</b>							
8. Special Instructions <b>COORDINATE BUCKET WORK THROUGH AIR ATTACK.</b>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command 1	<b>Rx 167.100 N Tx 169.750 N Tone 146.2</b>	King NIFC	<b>8</b>	Command 2		King NIFC	
Tactical Div/Group	<b>RxTx 164.1375 N</b>	King NIFC	<b>4</b>	Air to Ground Primary	<b>166.825 N</b>	King NIFC	<b>10</b>
Prepared by (Resource Unit Ldr.) /S/ Clark Tucker		Approved by (Planning Sect. Ch.) /s/ EVAN BOSHELL		Date July 26, 2010		Time 1900	



AIR OPERATIONS SUMMARY		Incident Name/Operational Period: <b>Constantia Fire</b> 7-27-2010		Copies to:		Aviation Bases: Stead Air Attack Base Stead Helibase			
4. Personnel and Communications	Name	Air/Air Frequency	Air/Ground Frequency	5. Remarks (Spec. Instructions, Safety Notes, Hazards, Priorities)					
Air Operations Branch Director Alex Stone	505-362-7020	118.225 Fixed Wing/TFR	166.8250 Primary	<p>All orders for aircraft tactical missions should be ordered through Air Attack or communications to helibase/fixed wing base.</p> <p>IC or Operations must approve all non-tactical missions prior to scheduling.</p> <p><b>Keep clear of all drop zones.</b></p> <p>All orders for supplies need to go through Communications/ Supply and orders delivered to helibase.</p> <p>Keep communications short and to the point, use your signal mirrors to guide in aircraft.</p> <p>Medical emergencies need to go though Divisions to Communications/Medical Unit.</p> <p>When calling Air Attack, use the Fire Name and and Air Attack. Example: Rattlesnake Air Attack.</p> <p>Be careful of winds on the lee sides of ridges. Ensure specific aircraft wind limitations are not exceeded.</p> <p>Watch for <b>POWERLINES</b> in the fire area.</p> <p>Ensure FTA limits are followed</p> <p>Camp briefing @0600, Pilots on and preflight @0700, Aviation Briefing @0730 at the helibase. All Helibase personnel and pilots need to attend the Aviation Briefing.</p> <p><b>All Aircraft need to ensure GPS Units are set to <u>NAD 83</u> and <u>DD MM SS</u></b></p>					
Air Support Group Supervisor Cameron Dingman	801-550-9857	120.525 Rotor Wing	166.9625 Secondary						
Helibase Manager T1 Mark Wisner	208-833-6026		163.100 Deck						
Helibase Manager T2 (T) Caleb Schrieber									
Air Tactical Group Sup Mike Melton	435-590-4712								
Air Tactical Group Sup Larry Zajanc	208-313-7860								
Air Tactical Group Sup (T) Pete Goetzinger	435-691-7271								
6. Location/Function	7. Assignment	8. Fixed Wing		9. Helicopters		10. Time		11. Aircraft Assigned	12. Operating Base
		No.	Type	No.	Type	Available	Commence		
Air Tactical	All Divisions	2	1			0700	0800	N31WD N531SA	Stead AAB
Aerial Supervision Module	All Divisions							Varies	Stead AAB
Helicopter Support				2	1	0700	0800	N795HT	Stead Helibase
Helicopter Support				3	2	0700	0800	CFWDV N1206G N73H	Stead Helibase
Helicopter Support				3	3	0700	0800	N206GH N407PA N354SH	
13. Totals									
14. Air Operations Support Equipment:				15. Prepared by (include Date and Time) <b>Stone/Dingman 7-26-2010 2000</b>					

## Helicopter Missions

Type 1 Helicopter-Bucket Support as requested.

Type 2 Helicopters-Bucket Support, sling missions, crew shuttle as requested.

Type 3 Helicopters-Operations Section Recon in AM and PM, GPS Mission with Planning Section, bucket and cargo work as requested.

## TFR Information

TFR 0/???? 395513N/1200323W 5NM Radius

## Dipsite Information

<u>Latitude</u>	<u>Longitude</u>	<u>Fire</u>	<u>DIV Location</u>	<u>Elevation</u>	<u>IGE/OGE</u>
-----------------	------------------	-------------	---------------------	------------------	----------------

## Helispot Information

<u>H#</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Fire</u>	<u>Elevation</u>	<u>IGE/OGE</u>
-----------	-----------------	------------------	-------------	------------------	----------------

## Medivac Information

In the event a medevac is necessary, the Division Supervisor will notify Incident Communications Unit of the incident. The Division Supervisor and on scene medical personnel will determine if the incident is a **Medivac** or **Medical Transport**. The Medical Unit will notify Minden Dispatch if Care Flight will be used. In either case, the helibase may need to respond with a helicopter if it is deemed to be the appropriate resource to transport the patient. Depending on the severity of injury, the incident helicopter will transport the patient to either Constantia ICP or a local hospital. An EMT from the Medical Unit will be stationed at the helibase as one becomes available

Local Hospital information is located in the IAP and the local Crash Rescue/Evacuation Plan.

## Ordering Supplies for Aerial Delivery

Orders go through Division Sups to Communications to Supply. **The preferred method of aerial delivery to helispots is INTERNAL.** Loads going to approved helispots should go internal & not in a sling due to added risk/exposure to air crews.

## Operations Recons

Communications with Operations and Division Supervisors during Recons should be conducted on Tactical Channels so as not to interfere with other Tactical Missions on the Incident.

# FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 1

TYPE OF FIRE: Wildfire

FIRE NAME: Constantia Complex

OPERATIONAL PERIOD: 6:00-20:00 July 27, 2010

DATE ISSUED: July 26, 2010

TIME ISSUED: 21:00

UNIT: Carson City District

SIGNED: /s/ Myron Hotinger (FBAN)

## INPUTS

WEATHER SUMMARY: (See attached Weather Forecast)

Tuesday: Partly cloudy with chance of isolated thunderstorms with drier southwest flow. Temperatures 84 (valley) to 96 (upper slopes) with RHs 10 (valley) to 20 (upper slopes); Upslope winds 4 - 8 becoming SW 5 - 10 in the afternoon, ridgetops SW 5 -10. LAL - 2; Haines 3

### FUELS:

Low elevations: Grass and Brush Fuel Model: 10 hours fuel moistures are 5-6%; live sage-brush is 75%. Lower elevation light fuels are burning well.

Timber Fuel Model: Pine mix-conifer stands with 1000 hour fuels are 4%. Conifer live fuel moistures estimated to be higher in the 125% range.

## OUTPUTS

### FIRE BEHAVIOR

#### GENERAL:

The fire behavior has been primarily a surface fire with occasional torching. Fire spread can be extremely rapid in downslope runs from thunderstorms, as experienced two days ago. Expect today's fire behavior to be low to moderate (creeping and lower 1-2 foot flame lengths with some single/group tree torching), similar to yesterday. HOWEVER, isolated thunderstorms can cause higher rate-of-spreads with more extreme fire behavior from downdrafts. ALSO, as the afternoon heats up, there is a LOCAL WIND CONDITION that draws cooler air from the higher slopes into the dry lake basin to the north. Be on the lookout for stronger downslope winds in the afternoon causing increase/rapid downslope rates of spread and extreme fire behavior.

ERC is 85 and has been in the 80s for 3 weeks (fire restrictions). Most large fires in this area happen above an ERC of 83.

#### SPECIFIC:

Expect light fire behavior (creeping/smoldering) in Divisions A & B for mop-up. Expect more active fire behavior in Divisions W &U in the heavier forest fuels with lower flame lengths of 1-2 feet and some occasional tree torching.

#### AIR OPERATIONS:

Smoke has been settling at night (north into the dry lake basin), so morning inversions may limit some air operations. Watch out for afternoon isolated thunderstorms and local strong downslope afternoon winds.

## SAFETY

WATCHOUT for isolation thunderstorms and local afternoon downslope wind conditions.

Maintain LCES. Lookouts, Communication, Escape Routes, Safety Zones.

**Incident:**  
Constantia Complex

**Date:**  
7/27/10

**Shift:**  
Day



# **SAFETY MESSAGE**

## **SAFETY IS OUR FIRST PRIORITY**

*Fire fighter safety comes first on every fire, every time*



### **Lookouts Communications Escape Routes Safety Zones**

#### **Make sure LCES is in place**

Each firefighter must know the interconnection of LCES - lookouts, communications, escape routes, and safety zones. LCES should be established before fighting the fire: Select lookouts, set up a communications plan, choose escape routes, and select safety zones.

#### **MAJOR HAZARDS AND RISKS**

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• <b>Heavy traffic on US 395</b></li><li>• <b>Lots of aircraft—maintain clear communication</b></li><li>• <b>Wear appropriate PPE (AT ALL TIMES)</b></li><li>• <b>Steep slopes, rolling material—watch footing</b></li><li>• <b>Extreme fire behavior: watch for change</b></li><li>• <b>Be aware of erratic winds around T storms</b></li></ul> | <ul style="list-style-type: none"><li>• <b>Travel on rough mountain roads</b></li><li>• <b>Be aware of spectators along US 395</b></li><li>• <b>Powerlines/smoke hazards</b></li><li>• <b>Dehydration—drink plenty of fluids</b></li><li>• <b>Driving—seatbelts/headlights on/flashers</b></li><li>• <b>Communications plan in transition/R U cloned?</b></li></ul> |
|--|---|

#### **10 STANDARD FIRE ORDERS**

**We Don't Bend Them, We Don't Break Them**

##### **FIRE BEHAVIOR**

1. Keep informed on fire weather conditions and forecasts.
2. Know what your fire is doing at all times.
3. Base all actions on current and expected behavior of the fire.

##### **FIRELINE SAFETY**

4. Identify escape routes and safety zones, and make them known.
5. Post lookouts when there is possible danger.
6. Be alert. Keep calm. Think clearly. Act decisively.

##### **ORGANIZATIONAL CONTROL**

7. Maintain prompt communication with your forces, your supervisor and adjoining forces.
8. Give clear instructions and insure they are understood.
9. Maintain control of your forces at all times.

##### **IF YOU CONSIDER 1-9, THEN**

10. Fight fire aggressively, having provided for safety first.

#### **18 SITUATIONS THAT SHOUT WATCH OUT & HUMAN FACTORS**

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• <b>Fire not scouted and sized up</b></li><li>• <b>In country not seen in daylight</b></li><li>• <b>Safety zones and escape routes not identified</b></li><li>• <b>Unfamiliar with weather and local factors influencing fire behavior</b></li><li>• <b>Uninformed on strategy, tactics, and hazards</b></li><li>• <b>Instructions and assignments not clear</b></li><li>• <b>No communication link with crew members or supervisor</b></li><li>• <b>Constructing line without safe anchor point</b></li></ul> | <ul style="list-style-type: none"><li>• <b>Building fireline downhill with fire below Attempting frontal assault on fire</b></li><li>• <b>Unburned fuel between you and fire</b></li><li>• <b>Cannot see main fire, not in contact with anyone who can</b></li><li>• <b>On a hillside where rolling material can ignite fuel below</b></li><li>• <b>Weather becoming hotter and dryer</b></li><li>• <b>Wind increases and/or changes direction</b></li><li>• <b>Getting frequent spots across line</b></li><li>• <b>Terrain and fuels make escape to safety zones difficult</b></li><li>• <b>Taking nap near fireline</b></li></ul> |
|---|---|

**Beginning of each operational period, circle each "Watch Out Situation" that applies. Remember, the more situations you are in, the probability of entrapment may be higher unless everything goes as planned.**

**Line Safety Officers**

Buz Vanskike, Steve Davis

**Safety Officer**

Ken Moore

<b>DIV</b>	<b>TACTICAL WATCHOUTS</b>	<b>LCES HAZARD CONTROL</b> Common Denominator of Tragedy Fires	<b>LCES 215A (Modified)</b>	<b>** Denotes</b>
All	Indirect Fireline __ Downhill Fireline X Underslung Fireline X Mid-slope Fireline X Frontal Assault X Unburned fuels X <b>Light Fuels**</b> X <b>Uphill Runs**</b> X <b>Small→Large Fire**</b>	<ul style="list-style-type: none"> <li>▪ Staff dedicated lookouts at pre-identified vantage points</li> <li>▪ Staff aerial lookout. During major threatening activity, assess &amp; provide direction</li> <li>▪ Establish human repeater site</li> <li>▪ Take hourly weather observations over command frequency</li> <li>▪ Abort assignment if communications cannot be maintained</li> <li>▪ Weather watch system to be developed by FBAN/Meteorologist</li> <li>▪ Improve/construct escape routes; Flag, time multiple escape routes and safety zones</li> <li>▪ Establish situation trigger points for disengagement/exit to safety zones</li> <li>▪ Improve/construct safety zones prior to tactical operations</li> </ul>		
All	Multiple Aircraft	<ul style="list-style-type: none"> <li>▪ Air Operations ensures that all incident aviation personnel are briefed on daily tactics, planned use, and safety hazards</li> <li>▪ Maintain positive direction between Air Attack, lead plane pilot, assigned aircraft, and ground operations</li> <li>▪ If confusion or conflicting priorities develop, STOP operations, until they can be safely continued</li> </ul>		
	Air Crew Shuttles	<ul style="list-style-type: none"> <li>▪ Ensure that a Chief of Party is assigned for transport of multiple personnel</li> <li>▪ The pilot maintains responsibility for the safety of passengers and cargo</li> <li>▪ Follow instructions of Helitack for loading and off-loading. Ensure proper wearing of PPE.</li> </ul>		
All	X Bucket Drops X Retardant Drops	<ul style="list-style-type: none"> <li>▪ Ensure clear air-ground communications</li> <li>▪ Stay clear of flight zones and drop areas. Keep heads up for snags and hazard trees.</li> <li>▪ Watch out for rotor wash or air tanker turbulence and potentially erratic fire behavior</li> </ul>		
All	Poor Communications	<ul style="list-style-type: none"> <li>▪ Establish effective radio repeaters to reach all divisions. Confirm radio frequencies</li> <li>▪ Warn ground forces of possible gaps in the repeater frequencies; advise to contact air tactical if necessary</li> </ul>		
	Wildland-Urban	<ul style="list-style-type: none"> <li>▪ Cooperate with the Sheriff's office in conducting information exchange with local communities</li> <li>▪ Determine accessibility and need for traffic controls. Sign bridges with load limits information.</li> <li>▪ Remove natural fuels within 30 feet of structures. Evacuate local citizens, livestock, pets, etc.</li> <li>▪ Identify and make aware of powerlines, poles, etc. Identify and make aware of propane and above ground fuel tanks.</li> <li>▪ Assess available water supplies</li> </ul>		
All	X Spotting X Torching	<ul style="list-style-type: none"> <li>▪ Watch for smoldering fires picking up over large areas, trees crowning out inside of fireline, high sustained rate of spread, well-developed convection column, hot/dry weather</li> <li>▪ Post lookouts. Patrol for spots especially after torching, Grid green areas.</li> </ul>		
All	X RH<25% X Temps >85F X Direct Sun X Dead/Dying Fuels X Freeze-Dried Fuels X <b>Winds&gt;10MPH**</b>	<ul style="list-style-type: none"> <li>▪ Watch potential for torching, spotting, re-burn, and erratic,extreme fire behavior</li> <li>▪ Staff dedicated lookouts at pre-identified vantage points</li> <li>▪ Take hourly weather observations over command frequency</li> <li>▪ Establish effective radio repeaters to reach all divisions. Confirm radio frequencies</li> <li>▪ Consider vegetation and terrain and flag and time multiple escape routes</li> <li>▪ Improve/construct safety zones</li> </ul>		
All	X Slopes>50% X Rolling Rocks	<ul style="list-style-type: none"> <li>▪ Identify chimneys, gullies, and/or steep slopes in work area</li> <li>▪ Post lookouts, issue warnings.</li> <li>▪ Improve/construct, Identify safe routes, flag/time escape routes and safety zones</li> <li>▪ Identify, flag, avoid rock hazards. Keep crews from below known hazard areas</li> <li>▪ Wear proper and good condition fire boots to avoid slips and falls.</li> <li>▪ Make sure you go slowly, watch your step, and maintain 10 feet spacing. Always carry tools on the downhill side.</li> </ul>		
All	X Dehydration X Heat Stress __Altitude >9,000'	<ul style="list-style-type: none"> <li>▪ Drink plenty of fluids (1 qt/hr); some gatorade-but not too much; ensure adequate replacement of water supplies.</li> <li>▪ Pace work; allow frequent periods of rest in shade, if possible. Limit shift lengths</li> </ul>		
All	Snags	<ul style="list-style-type: none"> <li>▪ Stay alert for strong winds, steep slopes, bug-kill, air operations turbulence, vibrations from heavy equipment, use of explosives, rot or shallow-rooted trees</li> <li>▪ Scout, identify and flag hazards, fell dangerous trees near the line</li> <li>▪ Do go/no go assessment prior to falling</li> <li>▪ Post lookouts, assess trees in work areas, issue daily warnings</li> </ul>		



<b>MEDICAL PLAN</b>	1. INCIDENT NAME <b>CONSTANTIA COMP</b>	2. DATE PREPARED <b>July 26, 2010</b>	3. TIME PREPARED <b>2030</b>	4. OPERATIONAL PERIOD <b>July 27, 2010 0600-2200</b>				
	5. INCIDENT MEDICAL AID STATIONS							
MEDICAL AID STATIONS		LOCATION			PARAMEDICS			
					YES	NO		
<b>CAMP</b>		<b>ICP</b>			<b>X</b>			
<b>DIVISION U SPIKE</b>		<b>DIVISION U CAMP</b>			<b>X</b>			
6. TRANSPORTATION								
A. AMBULANCE SERVICES								
NAME		ADDRESS		PHONE	PARAMEDICS			
					YES	NO		
<b>CALL MINDON DISPATCH</b>				<b>775-782-1405</b>				
B. INCIDENT AMBULANCES								
NAME		LOCATION			PARAMEDICS			
					YES	NO		
7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
<b>RENOWN MED. CENTER</b>	<b>Reno, NV 39 31 34 x 119 49 03</b>		<b>1.0 Hrs</b>	<b>775-982-4100</b>	<b>X</b>			<b>X</b>
<b>UMC BURN CENTER</b>	<b>Las Vegas, NV 36 09 35 x 115 09 59</b>			<b>800-824-2073</b>	<b>X</b>		<b>X</b>	
<b>UC DAVIS MED CENTER</b>	<b>Sacramento, California 38 33 17 x 121 27 21</b>			<b>916-734-2011</b>	<b>X</b>		<b>X</b>	
8. MEDICAL EMERGENCY PROCEDURES								
<p>Upon occurrence of a <b>“MAJOR”</b> medical or accident involving significant injury on the fireline. The <b>nearest fireline Supervisor or Leader</b> will be in charge. Clear all radio traffic on incident “Command Channel” – use to coordinate response – do <i>not</i> use names.</p> <ul style="list-style-type: none"> <li>○ Obtain and facilitate nearest EMT’s to the scene, request medical unit response – DIVS in charge of scene.</li> <li>○ Coordinate and facilitate appropriate transportation for injured with Medical Unit – EMT in charge of patient(s).</li> <li>○ Nature of problem: # injured; Condition and Vitals; Location (GPS Coordinates)</li> <li>○ Remove all unnecessary personnel from the accident scene – notify SOFR.</li> <li>○ Secure the scene area and identify witnesses for later investigation – keep a log.</li> </ul> <p style="text-align: center;"><b>Life safety is the Number 1 Priority on this Incident</b></p>								
9. PREPARED BY (MEDICAL UNIT LEADER)								
<b>ICS 206 8-78</b>	<b>DEBRA LOPEZ</b>			10. REVIEWED BY (SAFETY OFFICER)				
				<b>KEN MOORE</b>				

### KIDD'S MANAGEMENT TEAM SUPPLY ORDER

Date & Time Order was Placed	Order # (DIVS + #)	Location & Time for Delivery (Division/LZ/DP/Lat Long)	Mode of delivery (Driven/Helo/DIVS to Pick up)	
Order received in Communications by (name):			Time:	
Order received in Supply by (name):			Time:	
Order received in Transportation by (name):			Time:	
Order received in Helibase by (name):			Time:	
Order shipped to line unit by (name): (Send this sheet to the line with the order)			Time:	
#	Item	Amount	Item	Amount
1.	Meals Breakfasts		26. Swivel ea.	
2.	Meals Lunches		27. Leadline ea.	
3.	Meals Dinners		28. Backpack Pump ea.	
4.	Meals MRE's/case		29. Slingable Blivet ea.	
5.	Water 5 gal. cubies		30. Folding Tank Size/ea.	
6.	Gatorade Case		31. Pumpkin Size/ea.	
7.	Batteries AA 1-Flat		32. Hose 1 <sup>1/2</sup> " / ft.	
8.	Batteries Specify Type		33. Hose 1" / ft.	
9.	Flagging (Specify type) # Roll		34. Hose 3/4" / ft.	
10.	Sleeping Bags ea		35. Reducer 1 <sup>1/2</sup> "X1"	
11.	Tarps/Plastic ea./roll		36. Reducer 1"X 3/4"	
12.	Parachute Cord roll		37. Gated "Y" 1 <sup>1/2</sup> "	
13.	Garbage Bags Box		38. Gated "Y" 1"	
14.	20 Man First Aid Kit ea.		39. Gated "Y" 3/4"	
15.	Coffee Kit w/propane ea.		40. Shut-off Valve 3/4"	
16.	Gas Raw		41. In-line Tee 1 <sup>1/2</sup> "X1"	
17.	Bar Oil Gal.		42. Nozzle 1 <sup>1/2</sup> "	
18.	2- cycle oil QT's		43. Nozzle 1"	
19.	Tool Shovel ea.		44. Nozzle 3/4"	
20.	Tool Pulaski ea.		45. Chainsaw Kit ea.	
21.	Tool Combi ea.		46. Mark 3 Pump Kit-Cache w/10 gal raw gas and 2 qts 2 cycle oil ea.	
22.	Tool Specify Type ea.			
23.	Fussee Case		47. Lightweight Pump Kit-Cache w/5 gal raw gas and 1 qt 2 cycle oil ea.	
24.	Drip Torches Full ea.			
25.	Drip Torch Mix 5 Gal.		48. Division Hose Lay Kit ea.	

**GPS Datum: NAD 83**

**Team Ordering/ Timeline Process:**

0600 – Morning Briefing, start of crew time.

1100 – Last call to change spike camp resource (food, fuel, etc) location.

1500 – DIVS to have next day’s resource order ready for OPS.

- All crew level orders will be placed through DIVS.
- DIVS will place all orders through Communications Unit.
- All orders will be tracked using the process found on the front of form.

**Division Hose Lay Kit Components**

Item	NFES#	Quantity			
Hose 1½”	1239	1000’			
Hose 1”	1238	1000’			
Hose, ¾”	1016	500’			
Tee, 1 ½” – 1”	0731	5			
Nozzle, 1 ½”	0137	2			
Nozzle, 1”	0138	6			
Nozzle, ¾”	0136	12			
1 ½” Gated “Y”	0231	5			
1” Gated “Y”	2059	5			
¾” Gated “Y”	0272	6			
Shut off valve ¾”	0738	4			
Reducers, 1 ½” – 1”	0010	5			
Reducers, 1” – ¾”	0733	5			
Double Female 1”	0710	1			
Double Female 1 ½”	0857	1			

