CONSTANTIA COMPLEX

TUESDAY, JULY 27, 2010 0600-2000

PDFM15 (1502)

GPS: NAD 83

FORMAT: DD MM MM

INCIDENT OBJECTIVES	Incident National HOYT FIRE	me	2. Date August 22, 2009	3. Time 1900					
4. Operational Period AUGUST 23, 2009 0600 – 2000									
5. General Control Objectives for the Incident (include a	Iternatives)								
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 ne	eeded.							
4. Manage incident in most cost effectiv	e manner, and	maintain fiscal int	egrity.						
5. Suppression actions should be consist	ent with resour	ce values to be pr	otected.						
6. Minimize fire and suppression impacts Clan Alpine Horse Management Area.	s to available fo	orage in the Hole in	n the Wall grazing allo	tment and the					
7. Minimize suppression impacts to ident	tified cultural si	tes.							
6. Weather Forecast for Period									
SEE ATTACHED WEATHER FORECAST									
7. General Safety Message									
SEE ATTACHED SAFETY MESSAGE									
P	FN/FN/P	BER LCES							
· ·	LIVILIVIL	LK LOLS							
8. A	ttachments (mar	k if attached)							
Organization List - ICS 203		al Plan - ICS 206	(Other)						
Div. Assignment Lists - ICS 204		nt Map							
Communications Plan - ICS 205	Traffic F	Plan							
9. Prepared by (Planning Section Chief) 10. Approved by (Incident Commander)									
/s/ EVAN BOSHELL		/S/ TOM SUWYN							
INCIDENT OBJECTIVES	1. Incident Nati HOYT FIRE	me	2. Date August 22, 2009	3. Time 1900					

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6. Minimize fire and suppression impacts to ava Clan Alpine Horse Management Area.	ilable forage in the Hole i	n the Wall grazing allotment and the							
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6. Weather Forecast for Period									
SEE ATTACHED WEATHER FORECAST									
7. General Safety Message									
SEE ATTACHED SAFETY MESSAGE									
REMEMBER LCES									
	ents (mark if attached)								
Organization List - ICS 203	Medical Plan - ICS 206	(0ther)							
Div. Assignment Lists - ICS 204	Incident Map								
□ Communications Plan - ICS 205	Traffic Plan	Ц							
 Prepared by (Planning Section Chief) /s/ EVAN BOSHELL 	10. Approved by (Incid	lent Commander)							

ORGAN	NIZATION	ENT LIST	9. Operations Section						
Incident Name							ortenson		
	CONST	ANTIA FIRI	=	Operations Chief		Tracy S	Swenson		
O Data Danasad) T:	OSC2 (T)		Dave K	och		
 Date Prepared July 27, 2010 			3. Time 2 000	0302 (1)		Brook (Chadwick		
4. Operational Period				Planning Operations					
	LY 27, 201	0600-2	000	ä	a. B	ranch I			
		1		Branch Director					
Position			Name	Division/Group		Α	Brian Keating		
5. Incident	Commar						Matt Filbert (T)		
Incident Commander		John Kid		Division/Group		В	Gary Sexton		
Deputy Incident Com		Tom Su	•	Division/Ones			-		
Incident Commander	(T)	Tracy Du		Division/Group		W	Jason Kirk		
Safety Officers			ore/Buz VanSkike	Division/Group			Ken Wright(T) Chris Delaney		
Information Officer		Dick Bir		Division/Group		U	Isaacson (T)		
		Kirsten		Division/Group					
C	Dammari		Broyles (T)	211101011/010up		IA	D. Gustufson		
6. Agency I	kepreser				b. B	ranch II			
Agency	trots:	Name	laan.	Branch Director					
BLM Agency Adminis BLM Agency Rep.	urator	Chris McA		Division/Group					
	-4	Ken Smih							
FS Agency Administra	ator	Laurence		Division/Group					
FS Agency Rep	.m	Rod Lacey							
Cal. State Agency Re Resource Advisor - F		Joe Water Mike Frien			c. Div	ision/Gro	oups		
Resource Advisor - B	_			Branch Director					
Resource Advisors	LIVI	Wade Salv	erson	Division/Group					
	lanning	Saction		Division/Group					
Chief	Planning	Boshell							
	Evalle	oosnen							
Deputy Resources Unit	Ola de T	F					ons Branch		
	Clark			Air Operations Branch D		Alex Stone			
Documentation Unit	Clark			Air Tactical Group Supe	rvisor	Mike Melton			
Demob Unit	Keri V		D -III			Larry Zajanc			
Situation Unit		Flanagan/L	ou Ballard	Air Support Group Supe		Cameron Dingman			
FDAN		Chapell(T)		Air Support Group Supe	ervisor				
FBAN	wyron	Hotinger		Helibase Manager		Mark	Wisner		
IMET				Helicopter Coordinator					
GIS Specialist	+	Peterson			ance S	Section			
Training Specialist	Lynn C	ook		Chief			Taylor		
Human Resource Specialist				Chief			Beagle (T)		
Computer Specialist	Heidi I	ittle		Time Unit		Stacy	Heaps		
Status/Check-in	Heidi L		•••	Cost Unit		Wend	ly Soper		
Glatus/CHECK-III	Cherie	Ausgothar	μ	Compensation/Claims L	Jnit				
8. L	ogistics	Section		Procurement Unit Leade	er				
Chief					11 - 1				
Supply Unit Larry Garahana				Prepared by Resource Un	ııt Leadei				
Facilities Unit Duane Stewart				Clark Tucker					
<u> </u>									
Ground Support Unit									
Communications Unit		e Robertso	n						
Medical Unit		Lopez							
Security Unit		dy Davis							
Food Unit	Shar	non Swani	<u> </u>						

DIVISION A	DIVISION ASSIGNMENT LIST				2. Division/Group			
			DIVISION – A					
3. Incident Name		4. Operation	al Period					
CONSTANTIA CO	MPLEX	Date:	July 27,	2010 Time: 06	00 - 2000			
5.		Operations Pe	rsonnel					
Operations Chief	Colt Mortenson	Division/Grou	p Supervisor	Brian Keating				
	Tracy Swenson			Matt Filbert (T)				
	Dave Koch (T)							
	Brook Chadwick (T)							
Branch Director		Air Attack Sup	oervisor No.					
6.	1	Resources Assi	gned this Pe	eriod				
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Location./Time	Location./Time			
EMTI	WOOLEVER	1	N	FIRE/0700	ICP/2000			
TFLD	BLUMHARDT	1	N	FIRE/0700	ICP/2000			
TFLD	LINDA FERGUSON	1	N	FIRE/0700	ICP/2000			
TFLD (T)	DICKSON	1	N	FIRE/0700	ICP/2000			
CRW2 WNA T	GRAYFIELD	20	N	FIRE/0700	ICP/2000			
CAL ENG S/T 9220C		15	N	FIRE/0700	ICP/2000			
CAL CRW S/T 9220G		40	N	FIRE/0700	ICP/2000			
ENG ALPINE T6		3	N	FIRE/0700	ICP/2000			
ENG WOODS T4		3	N	FIRE/0700	ICP/2000			
ENG MNF #32 T3		3	N	FIRE/0700	ICP/2000			
DOZER - AGENCY		1	N	FIRE/0700	ICP/2000			
DOZER - DELAHUNT		1	N	FIRE/0700	ICP/2000			
W/T - NORTHSTATE		1	N	FIRE/0700	ICP/2000			
W/T – LYON Co.		1	N	FIRE/0700	ICP/2000			
7. Control Operations	•	•	. L		•			

^{8.} Special Instructions

TFLD BLUMHARDT TO CONDUCT STRUCTURE ASSESSMENT.

ASSESS ALL STRUCTURES AND DEVELOP CONTINGENCY PLAN.

PATROLLING, MOPUP 500 FT. IN FROM PERIMETER.

9.	Division/Group Communication Summary									
Function	Frequency	System	Channel	Function	Frequency	System		Channel		
Command 1		King		Command 2		King				
Command	Rx 167.100 N	NIFC	8	Command 2		NIFC	:C			
	Tx 169.750 N		o o							
	Tone 146.2									
Tactical		King				King				
Div/Group	RxTx 168.050	NIFC	1	Air to Ground	166.825 N	NIFC		10		
	N		•	Primary				10		
Prepared by (Resource Unit Ldr.) Ap		Approved by	Approved by (Planning Sect. Ch.)			Date Ti				
/S/ Clark Tucke	er	/s/ EV	AN BOSHELL	SHELL July 26, 2010 196		1900)			

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			1. Branch		-	2. Division/Group				
DIVIS	ION ASSIGNM	MENT LIST	i. biancii			DIVISION – B				
3. Incident Name			4. Operati	onal Period						
CONSTANTIA	COMPLEX	(2010	0/00 0000				
		•		Date: July 27, 2010 Time: 0600 - 2000 Departions Personnel						
5. Operations Chief	0-4-8	Mortonos:	<u>_</u>	oup Supervisor	Con/ Sout-					
Operations Chief		Mortenson	DIVISION/GI	oup supervisor	Gary Sextor	1				
		Swenson								
		Koch (T)								
Branch Director	Brook	Chadwick (T)	Air Attack	Supervisor No.						
6.				ssigned this Pe	priod					
Strike Team/Task Fo	orce/	11	Numbe				otion /Ti			
Resource Designa	ntor	Leader	Persons	Needed	Location./Tin		ation./Time			
EMTP	ZABE	:L	1	N	FIRE/070		P/2000			
CRW ZEPHYR T2IA			20	N	FIRE/070		ICP/2000 ICP/2000			
CRW RIFLE PEAK	12IA		20	N	FIRE/070	U IC	P/2000			
7. Control Operations SECURE FIRE COORDINATE 3. Special Instructions COORDINATE	E WITH DI	IV. W. BEGI	N MOPUP 50	0 FT. IN FR			ON BREAK			
9.	Т	T		p Communic	ation Summar	у				
Function	Frequency	System	Channel	Function	Frequency	System	Channel			
Command 1 Rx	167.100 N	King NIFC	8	Command 2		King NIFC				
Tx	169.750 N	0.750 N								
Tor	ne 146.2									
Tactical	xTx 168.200	King NIFC		Air to Ground	166.825 N	King NIFC	40			
			2				10			

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Date

July 26, 2010

Time

1900

Approved by (Planning Sect. Ch.)

/s/ EVAN BOSHELL

Prepared by (Resource Unit Ldr.)

/S/ Clark Tucker

DIVISION AS	SIGNMENT LIST	1. Branch			2. Division/Group DIVISION – W				
3. Incident Name		4. Operation	al Period						
CONSTANTIA COM	IPLEX	Date: •	Date: July 27, 2010 Time: 0600 - 2000						
5.	Ор	perations Personnel							
Operations Chief	Colt Mortenson	Division/Group Supervisor Jason K							
	Tracy Swenson			Ken Wrigh	t(T)				
	Dave Koch (T)								
	Brook Chadwick (T)								
Branch Director		Air Attack Sur	pervisor No.						
6.	Res	sources Assi	gned this Pe	eriod					
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Location./Time Loc		Location./Time			
EMTP	ISENBERG	1	N	FIRE/07	'00	ICP/2000			
TFLD	GREGORY	1	N	FIRE/07	00	ICP/2000			
CRW DIAMOND MTN IHC		20	N	FIRE/07	00	ICP/2000			
CRW BONNEVILLE IHC		20	N	FIRE/07	00	ICP/2000			
CRW SILVER STATE IHC		20	N	FIRE/07	00	ICP/2000			
CRW PNF #1 T2IA		20	N	FIRE/07	00	ICP/2000			
7 Control Operations			•		•				

IMPROVE FIRELINE TO W/B DIV. BREAK. CONDUCT BURNOUT WHERE NECESSARY. COORDINATE WITH DIV. B. BEGIN MOPUP 500 FT. IN FROM PERIMETER.

8. Special Instructions

COORDINATE BUCKET WORK THROUGH AIR ATTACK.

9.			Division/Gro	up Communica	ation Summary				
Function	Frequency	System	Channel	Function	Frequency	System		Channel	
Command 1	Rx 167.100 N	King NIFC	8	Command 2		King NIFC			
	Tx 169.750 N		0						
	Tone 146.2								
Tactical Div/Group	RxTx 168.600	King NIFC	3	Air to Ground	166.825 N	King NIFC		10	
	N			Primary					
Prepared by (Resource Unit Ldr.)		Approved by	Approved by (Planning Sect. Ch.)		Date		Time	Time	
/S/ Clark Tucker		/s/ EV	/s/ EVAN BOSHELL			July 26, 2010)	

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DIVISION AS	SSIGNMENT LIST	1. Branch			2. Division/Group DIVISION – U		
3. Incident Name		4. Operation	al Period				
CONSTANTIA COM	1PLEX	Date: •	July 27, 2	2010 Tin	ne: 0600 - 2	2000	
5.	Ol	perations Pe	rsonnel				
Operations Chief	Colt Mortenson	Division/Grou	p Supervisor	Chris Delar	ney		
	Tracy Swenson	enson		Issacson(T)			
	Dave Koch (T)						
	Brook Chadwick (T)						
Branch Director		Air Attack Supervisor No.					
6.	Re	esources Assi	gned this Pe	eriod			
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Location./Ti	ime	Location./Time	
RES ADV.	FRIEND	1	N	FIRE/070	00	ICP/2000	
EMTP	NOVAKITCH	1	N	FIRE/0700		SPIKE/2000	
EMTP	STOWE	1	N	FIRE/0700		SPIKE/2000	
CRW BEAR DIVIDE IHC		20	N	FIRE/070	00	SPIKE/2000	
CRW ARROWHEAD IHC		20	N	FIRE/070	00	SPIKE/2000	
CRW SO. NEV. REG. T2		20	N	FIRE/070	00	SPIKE/2000	
CRW E. SIERRA #4 T2IA		20	N	FIRE/070	00	SPIKE/2000	
7. Control Operations	INF AND REGIN MOR						

8. Special Instructions

COORDINATE BUCKET WORK THROUGH AIR ATTACK.

9.			Division/Gro	up Communica	ation Summary			
Function	Frequency	System	Channel	Function	Frequency	System		Channel
Command 1		King		Command 2		King		
Command	Rx 167.100 N	NIFC	8	Command 2		NIFC		
	Tx 169.750 N							
	Tone 146.2							
Tactical		King				King		
Div/Group	RxTx 164.1375	NIFC	4	Air to Ground	166.825 N	NIFC 1		10
	N		•	Primary				.5
Prepared by (Resource Unit Ldr.)		Approved by	Approved by (Planning Sect. Ch.)		Date		Time	
/S/ Clark Tucke	/S/ Clark Tucker		AN BOSHELL		July 26, 20	010	1900)

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DIVISION ASSIGNMENT LIST		1. Branch				2. Division/Group						
L	DIVISION ASSI	IGINIVIEN	I LISI						DIVISIO	N –	IA	
3. Incident Name	е				4. Opera	itional P	eriod					
CONSTAN	ITIA COMP	PLEX			Da	ite: Ju l	ly 27, 2	2010 1	ime: 0600 -	200	0	
5.				Op	perations	Perso	nnel					
Operations Chief	f C	Colt Mort	enson		Division/Group Supervisor			D. Gustafs	D. Gustafson			
	Ti	racy Swe	enson									
	D	Dave Koo	ch (T)									
	В	rook Ch	adwick (T)									
Branch Director					Air Attac	k Super\	visor No.					
6.				Re	sources A	Assign	ed this Pe	eriod				
Strike Team/Ta Resource De			Leader		Numb Persoi		Trans. Needed	Location.	/Time		Locatio	on./Time
CRW N. UTAH					20		N	ICP/07	00		ICP/	2000
7. Control Operate STAGE FO			CK									
DETERMIN				E SN	AG FIR	E F	NGAG	E AND EX	KTINGIII	ISH		
DETERMIN	VE ECCIT		or or or	11 01 11	10111	L			11111001			
8. Special Instruct	tions											
o. special instruct	110113											
9.				Divi	ision/Gro	up Cc	mmunic	ation Summ	ary			
Function	Frequency	/	System	Cha	annel	Fu	nction	Frequenc	y Sy	ystem		Channel
Command 1	Rx 167.100	N	King			Con	nmand 2			King		
			NIFC		8					NIFC		
	Tx 169.750	N										
	Tone 146.2											
Tactical	RxTx 166.7	25	King			Air to	o Ground	166.825	NI	King		
Div/Group			NIFC		5	All (C	Giodila	100.025 N		NIFC 10		10
Dropared by /D	N N		Approved	(Dlone!:	2 Coct C't		rimary	Date			Time	
Prepared by (Resolution /S/ Clark Tuck)			Approved by	(Planning /AN BO				Date July 3	26, 2010		Time 1900	
131 Clair luck	.CI		/ 3/ EV	AN DU	JIILLL			July 2	.0, 2010		1 700	

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AIR OPERATIONS SUMMARY	,		ne/Operationa			Copies to:		Aviation Bases: Ste	ead Air Attack Base
		Constantia		7-27-2010				Stead Helibase	
Personnel and Communications	Name	Air/Air Freque	ncy	Air/Ground Fr	requency	5. Remarks (Spec.	Instructions, Safety	Notes, Hazards, Prioriti	ies)
Air Operations Branch Director Alex Stone	505-362-7020	118.225 Fix	red Wing/TFR	166.8250) Primary	All orders for aircraft tactical missions should be ordered through Air Attack or communications to helibase/fixed wing base.			
Air Support Group Supervisor Cameron Dingman	801-550-9857	120.525	Rotor Wing	166.9625	Secondary	IC or Operations must approve all non-tactical missions prior to scheduling. Keep clear of all drop zones.			
Helibase Manager T1							•		
Mark Wisner	208-833-6026			163.10	00 Deck	All orders for sup delivered to helil		through Communicat	ions/ Supply and orders
Helibase Manager T2 (T) Caleb Schrieber						Keep communic aircraft.	ations short and to	o the point, use your	signal mirrors to guide in
							ncies need to go t	hough Divisions to C	communications/Medical Unit.
Air Tactical Group Sup Mike Melton	435-590-4712						Attack, use the Fi	re Name and and Ai	
Air Tactical Group Sup Larry Zajanc	208-313-7860					Be careful of winds on the lee sides of ridges. Ensure specific aircraft wind limitations are not exceeded.			
Air Tactical Group Sup (T) Pete Goetzinger	435-691-7271					Watch for POWERLINES in the fire area.			
rete Goetzinger						Ensure FTA lim	its are followed		
									Aviation Briefing @0730 at the end the Aviation Briefing.
						All Aircraft need	d to ensure GPS	Units are set to <u>NA</u>	D 83 and DD MM SS
6. Location/Function	7. Assignment	8. F	ixed Wing		opters	10.	Time	11. Aircraft	12. Operating Base
		No.	Type	No.	Туре	Available	Commence	Assigned	
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 Equi	pment:	I	1	1	15. Prepare	ed by <i>(include Dat</i>	e and Time) Stone	e/Dingman 7-26-20	10 2000

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

Latitude Longitude Fire DIV Location Elevation IGE/OGE

Helispot Information

H# Latitude Longitude Fire Elevation IGE/OGE

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 BI	EHAVIOR 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 been 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:	Date:	Shift:
Constantia Complex	7/27/10	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

- Heavy traffic on US 395
- Lots of aircraft—maintain clear communication
- Wear appropriate PPE (AT ALL TIMES)
- Steep slopes, rolling material—watch footing
- Extreme fire behavior: watch for change
- Be aware of erratic winds around T storms
- Travel on rough mountain roads
- Be aware of spectators along US 395
- Powerlines/smoke hazards
- Dehydration—drink plenty of fluids
- Driving—seatbelts/headlights on/flashers
- Communications plan in transition/R U cloned?

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

- Fire not scouted and sized up
- In country not seen in daylight
- Safety zones and escape routes not identified
- Unfamiliar with weather and local factors influencing fire behavior
- Uninformed on strategy, tactics, and hazards
- Instructions ands assignments not clear
- No communication link with crew members or supervisor
- Constructing line without safe anchor point

- Building fireline downhill with fire below Attempting frontal assault on fire
- Unburned fuel between you and fire
- Cannot see main fire, not in contact with anyone who can
- On a hillside where rolling material can ignite fuel below
- Weather becoming hotter and dryer
- Wind increases and/or changes direction
- Getting frequent spots across line
- Terrain and fuels make escape to safety zones difficult
- Taking nap near fireline

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	Safety Officer
Buz Vanskike, Steve Davis	Ken Moore

DIV	TACTICAL WATCHOUTS	LCES HAZARD CONTROL LCES 215A (Modified) ** Denotes Common Denominator of Tragedy Fires
All	Indirect Fireline Downhill Fireline X Underslung Fireline X Mid-slope Fireline X Frontal Assault X Unburned fuels X Light Fuels** X Uphill Runs** X Small→Large Fire**	 Staff dedicated lookouts at pre-identified vantage points Staff aerial lookout. During major threatening activity, assess & provide direction Establish human repeater site Take hourly weather observations over command frequency Abort assignment if communications cannot be maintained Weather watch system to be developed by FBAN/Meteorologist Improve/construct escape routes; Flag, time multiple escape routes and safety zones Establish situation trigger points for disengagement/exit to safety zones Improve/construct safety zones prior to tactical operations
All	Multiple Aircraft	 Air Operations ensures that all incident aviation personnel are briefed on daily tactics, planned use, and safety hazards Maintain positive direction between Air Attack, lead plane pilot, assigned aircraft, and ground operations If confusion or conflicting priorities develop, STOP operations, until they can be safely continued
	Air Crew Shuttles	 Ensure that a Chief of Party is assigned for transport of multiple personnel The pilot maintains responsibility for the safety of passengers and cargo Follow instructions of Helitack for loading and off-loading. Ensure proper wearing of PPE.
All	X Bucket Drops X Retardant Drops	 Ensure clear air-ground communications Stay clear of flight zones and drop areas. Keep heads up for snags and hazard trees. Watch out for rotor wash or air tanker turbulence and potentially erratic fire behavior
All	Poor Communications	 Establish effective radio repeaters to reach all divisions. Confirm radio frequencies Warn ground forces of possible gaps in the repeater frequencies; advise to contact air tactical if necessary
	Wildland-Urban	 Cooperate with the Sheriff's office in conducting information exchange with local communities Determine accessibility and need for traffic controls. Sign bridges with load limits information. Remove natural fuels within 30 feet of structures. Evacuate local citizens, livestock, pets, etc. Identify and make aware of powerlines, poles, etc. Identify and make aware of propane and above ground fuel tanks. Assess available water supplies
All	X Spotting X Torching	 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 Post lookouts. Patrol for spots especially after torching, Grid green areas.
All	X RH<25% X Temps >85F X Direct Sun X Dead/Dying Fuels X Freeze-Dried Fuels X Winds>10MPH**	 Post lookouts. Patrol for spots especially after tolching, Grid green areas. Watch potential for torching, spotting, re-burn, and erratic, extreme fire behavior Staff dedicated lookouts at pre-identified vantage points Take hourly weather observations over command frequency Establish effective radio repeaters to reach all divisions. Confirm radio frequencies Consider vegetation and terrain and flag and time multiple escape routes Improve/construct safety zones
All	X Slopes>50% X Rolling Rocks	 Identify chimneys, gullies, and/or steep slopes in work area Post lookouts, issue warnings. Improve/construct, Identify safe routes, flag/time escape routes and safety zones Identify, flag, avoid rock hazards. Keep crews from below known hazard areas Wear proper and good condition fire boots to avoid slips and falls. Make sure you go slowly, watch your step, and maintain 10 feet spacing. Always carry tools on the downhill side.
All	X Dehydration X Heat StressAltitude >9,000'	 Drink plenty of fluids (1 qt/hr); some gatorade-but not too much; ensure adequate replacement of water supplies. Pace work; allow frequent periods of rest in shade, if possible. Limit shift lengths
All	Snags	 Stay alert for strong winds, steep slopes, bug-kill, air operations turbulence, vibrations from heavy equipment, use of explosives, rot or shallow-rooted trees Scout, identify and flag hazards, fell dangerous trees near the line Do go/no go assessment prior to falling Post lookouts, assess trees in work areas, issue daily warnings

	INCIDEN COMMUNICA		Incident Name Constantia Co	mplex			Date/Time Prepared Operational Period Date/Time 07/26/2010 07/27/2010				
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	N or W	RX Tone/NAC	TX Freq	N or W	Tx Tone/NAC	Mode A, D or M	Remarks
1	Ch 1	TAC 1	DIV A	168.050	N		168.050	N		A	Tac Channel 1
2	Ch 2	TAC 2	DIV B	168.200	N		168.200	N		А	Tac Channel 2
3	Ch 3	TAC 3	DIV W	168.600	N		168.600	N		А	Tac Channel 3
4	Ch 4	TAC 4	DIV U	164.1375	N		164.1375	N		А	Tac Channel 4
5	Ch 5	TAC 5	I/AI	166.725	N		166.725	N		А	Tac Channel 5
6	Ch 6	TAC 6	Unassigned	166.775	N		166.775	N		А	Tac Channel 6 (Unassigned)
7	Ch 7	TAC 7	Unassigned	168.250	N		168.250	N		А	Tac Channel 7 (Unassigned)
8	Ch 8	CMD 1		167.100	N		169.750	N	146.2	А	Comand Channel 1
9	Ch 9									А	
10	Ch 10	AG/1		166.825	N		166.825	N		А	Primary
11	Ch 11	AG/2		166.9625	N		166.9625	N		А	Secondary
12	Ch 12										
13	Ch 13	Camp Net		168.350	N		168.350	N			Camp Talk
14	Ch 14	Air Guard		168.6250	N		166.9625	N		А	Air Guard
15	Ch 15										
16	Ch 16										
	pared by (Commur M DAVENPORT	nications Unit)	'	1		Incident Location	on	State	Latitude)	N Longitude W

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

ICS 205

			ANTIA COMP PREPARED PREPARED Ju			July	TIONAL PERIOD y 27, 2010 500-2200			
			5. INCIDENT MEDIC	AL AID STA	TIONS					
MEDICAL AID	STATIONS		LOCATION						MEDICS	
									YES	NO
CAN	IP				ICP				х	
DIVISION (I SPIKE			DIVIS	SION U C	ΔΜΡ			Х	
DIVIDION	J OI IKE			DIVIO		Ailii				
			6. TRANSPO	ORTATION						
			A. AMBULANC							
NAME				ADDR	ESS		PH	ONE	PARA YES	MEDICS NO
									IES	INO
CALL MIND	ON DISPAT	СН					775-782	2-1405		
			B. INCIDENT A	MBULANCE	S					
N/	AME		LOCATION						PARA	MEDICS
										NO
			7. HOSF	PITALS						
NAME		ADDR	RESS		EL TIME	PHONE	HEL			CENTER
				AIR	GRND	1	YES	NO	YES	NO
RENOWN MED. CENTER		Reno 39 31 34 x			1.0 Hrs	775-982- 4100	х			х
		Las Veg	jas, NV		10	800-824-				
UMC BURN CENTER		36 09 35 x Sacramento				2073 916-734-	Х		Х	
UC DAVIS MED CENTER		38 33 17 x				2011	х		х	
		\$	B. MEDICAL EMERGE	NCY PROC	 FDURFS			1		
Upon occurrence of a	"MAJOR"					on the fireling	The I	10aros	t firelin	Α
Supervisor or Leader										
response – do <u>not</u> use		J = 0.								
			to the scene, requ							
			e transportation fo				MT in ch	arge o	t patien	t(s).
			lition and Vitals; L from the accident							
			witnesses for later							
		Life safety	y is the Number 1	Priority	on this	Incident				
,				,						
	9. PREPAI	RED BY (MED	ICAL UNIT LEADER)			10. REVIEWED	BY (SAF	ETY OF	FICER)	

ICS 206 8-78

DEBRA LOPEZ

KEN MOORE

		KIDD'S	MANA(SEMEN	ГТЕ	AM SUPPLY	ORDER	
	& Time Order was Placed	Order # (DIVS + #)		cation & Table Tivision/LZ			Mode of deli (Driven/Helo/DIVS	
Orde	r received in Co	ommunicatio	ons by (nar	ne):			Time:	
Orde	r received in Su	ınnly hy (na	me).				Time:	
0100		appin of (iiii					1	
Orde	r received in Ti	ransportation	by (name):			Time:	
Orde	r received in H	elibase by (n	ame):				Time:	
Orde	r shipped to lin	e unit by (na	me): (Send	d this sheet	to the	line with the orde	er) 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	M	RE's/case		29.	Slingable Blivet	ea	
5.	Water	5 ջ	gal. cubies		30.	Folding Tank	Size/ea.	
6.	Gatorade		Case		31.	Pumpkin	Size/ea	
7.	Batteries		AA 1-Flat		32.	Hose	1 ^{1/2} " / ft	
8.	Batteries	Spe	cify Type		33.	Hose	1"/ ft	
9.	Flagging (Spe	cify type)	# Roll		34.	Hose	3⁄4"/ ft.	
10.	Sleeping Bags		ea		35.	Reducer	1 ^{1/2} "X1"	,
11.	Tarps/Plastic		ea./roll		36.	Reducer	1"X ¾"	
12.	Parachute Cor	d	roll		37.	Gated "Y"	11/2	,
13.	Garbage Bags		Box		38.	Gated "Y"	1,	,
14.	20 Man First A	Aid Kit	ea.		39.	Gated "Y"	3/4"	,
15.	Coffee Kit w/j	propane	ea.		40.	Shut-off Valve	3/4')
16.	Gas		Raw		41.	In-line Tee	1 ^{1/2} "X1"	,
17.	Bar Oil		Gal.		42.	Nozzle	11/2	,
18.	2- cycle oil		QT's		43.	Nozzle	1'	,
19.	Tool	,	Shovel ea.		44.	Nozzle	3/4"	,
20.	Tool	F	Pulaski ea.		45.	Chainsaw Kit	ea	
21.	Tool		Combi ea.		46.	Mark 3 Pump K	it-Cache w/10 gal	
22.	Tool	Specify	y Type ea.			raw gas and 2 qt	s 2 cycle oil ea	
23.	Fussee		Case		47.		np Kit-Cache w/5	
24.	Drip Torches		Full ea.			gal raw gas and	1 qt 2 cycle oil ea	
25.	Drip Torch Ma	ix	5 Gal.		48.	Division Hose L	ay 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 Compon	ents		
Item	NFES#	Quantity		
Hose 1½"	1239	1000'		
Hose 1"	1238	1000'		
Hose, 3/4"	1016	500'		
Tee,1 ½" – 1"	0731	5		
Nozzle, 1 ½"	0137	2		
Nozzle, 1"	0138	6		
Nozzle, ¾"	0136	12		
1 1/2" Gated "Y"	0231	5		
1" Gated "Y"	2059	5		
3/4" Gated "Y"	0272	6		
Shut off valve ¾"	0738	4		
Reducers, 1 ½" – 1"	0010	5		
Reducers, 1" – 3/4"	0733	5		
Double Female 1"	0710	1		
Double Female 1 ½"	0857	1		
		_		

UNIT I	LOG	1. Incident Name	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)	l	6. Operational Period
7.		l Personnel Roste	r Assianed	
Nan	ne	ICS Positio		Home Base
		Activity Log		
3. Time		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
3. Time		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	
		Activity Log	Major Events	