

APPLEGATE INCIDENT INCIDENT ACTION PLAN



**OCTOBER 14, 2014 0700
TO
OCTOBER 16, 2014 0700**

CA-NEU-023454



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INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: APPLGATE CA-NEU-023454	2. Operational Period: Date From: 10/14/2014 Date To: 10/16/2014 Time From: 0700 hours Time To: 0700 hours															
3. Objective(s): Management Objectives <ul style="list-style-type: none"> • Provide for first responder, public, and assisting agencies safety through strict adherence to LCES and standard policies, and procedures. • Provide for the timely and accurate release of current and predicted fire information to the media, public, and government agencies. • Maintain the plan to ensure communication and coordination with appropriate stakeholders and assisting agencies. • Assure funds expended by CAL FIRE are cost effective to the values at risk. • Minimize damage to the natural resource areas. Control Objectives <ul style="list-style-type: none"> • Maintain the current control lines of the fire to: <ol style="list-style-type: none"> 1. NORTH of: Applegate Road 2. SOUTH of: Pondersoa Road 3. EAST of: Interstate 80 4. WEST of: the American River 																
4. General Weather Conditions: <u>TUESDAY:</u> Partly Sunny.Cooler. Max temp 73-78 deg, Min RH 28-33%. Wind SW 10-15 mph gusts 20 mph. <u>WEDNESDAY:</u> Cloudy with a chance of light showers.Breezy and cooler.Max temps62-67 deg. Min RH above 40%. WSW winds 10-15 mph gusts 22 mph. <u>THURSDAY:</u> Partly Cloudy.Max temps 65-70 deg. Min RH above 40%. WSW winds 8-13 mph gusts 20 mph.																
General Situational Awareness and Safety: <ul style="list-style-type: none"> • MAINTAIN L.C.E.S. AT ALL TIMES. Safety zones and escape routes are mandatory. • Ensure all personnel have good situational awareness. • Your safe vehicle operation is as critical as your safe firefighting operations. • Keep your hydration up by drinking water and Gatorade or other electrolyte beverages. Avoid energy drinks. • Maintain good communications with your supervisors, adjacent forces and crew members. • Maintain awareness around marijuana crops. Report confrontations with growers immediately. 																
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Approved Site Safety Plan(s) Located at:																
6. Incident Action Plan (the items checked below are included in this Incident Action Plan): <table style="width: 100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> ICS 203</td> <td><input checked="" type="checkbox"/> ICS 215A</td> <td><input type="checkbox"/> Health and Safety Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 204</td> <td><input type="checkbox"/> ICS 220</td> <td><input type="checkbox"/> Finance Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 205</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input type="checkbox"/> Training Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 206</td> <td><input checked="" type="checkbox"/> Fire Weather Forecast</td> <td><input checked="" type="checkbox"/> Fire Area/Travel Map</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 214</td> <td><input checked="" type="checkbox"/> Fire Behavior Forecast</td> <td><input type="checkbox"/> Facilities Map</td> </tr> </table>		<input checked="" type="checkbox"/> ICS 203	<input checked="" type="checkbox"/> ICS 215A	<input type="checkbox"/> Health and Safety Message	<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 220	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/> Training Message	<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Fire Weather Forecast	<input checked="" type="checkbox"/> Fire Area/Travel Map	<input checked="" type="checkbox"/> ICS 214	<input checked="" type="checkbox"/> Fire Behavior Forecast	<input type="checkbox"/> Facilities Map
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7. Prepared by: Name: <u>K. Osburn</u> Position/Title: PSC Signature:																
8. Approved by Incident Commander: Name: <u>A. Gregersen</u> Signature:																
ICS 202	IAP Page _____	Date/Time: <u>10/13/2014 1220 hours</u>														

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: APPLEGATE CA-NEU-023454		2. Operational Period: Date From: 10/14/2014 Time From: 0700		Date To: 10/16/2014 Time To: 0700	
3. Incident Commander(s) and Command Staff:			7. Operations Section:		
IC/OPS	A. GREGERSEN	Chief	A. GREGERSEN		
Deputy	N/A	Chief			
		Deputy			
Safety Officer	D. KRUSSOW	Staging Area			
Public Info. Officer		Branch	N/A		
Liaison Officer		Branch Director	N/A		
Law Liaison		Deputy	N/A		
4. Agency/Organization Representatives:			Division	A / G	M. KIDWELL
Agency/Organization	Name	Division	F		N. SALAS
		Division	Y		C. CARMICHAEL
		Group	SUPPRESS. REPAIR		J. HARVEY
		Group			
		Branch			
		Branch Director			
		Deputy			
5. Planning Section:			Division/Group		
Chief	K. OSBURN	Division/Group			
Deputy	K. McKEOWN	Division/Group			
Resources Unit		Division/Group			
Situation Unit		Division/Group			
Situation Unit		Branch			
Demobilization Unit		Branch Director			
GISS		Deputy			
FBAN		Division/Group			
IMET		Division/Group			
Documentation	R. SABA / J. TUCKER	Division/Group			
6. Logistics Section:			Division/Group		
Chief	M. RIECH	Division/Group			
Deputy	R. RADOVICH	Air Operations Branch			
Support Branch			Air Ops Branch Dir.		
Supply Unit		Air Support Gp Sup.			
Facilities Unit		Heli-Base Manager			
Ground Support Unit		8. Finance/Administration Section:			
Ordering Manager		Chief	P. TURKNETT		
Equipment Tech. Spec.		Deputy			
Service Branch			Time Unit		
Director		Procurement Unit			
Communications Unit		Comp/Claims Unit			
Medical Unit		Cost Unit			
9. Prepared by: Name: <u>K. Osburn</u> Position/Title: <u>PSC 1</u> Signature: _____					
ICS 203	IAP Page _____	Date/Time: <u>10/13/2014 1215 Hours</u>			



INCIDENT Weather Forecast



FORECAST NO:Final

NAME OF FIRE:Applegate

PREDICTION FOR:3-Day Period

UNIT:Nevada-Yuba=Placer

SHIFT DATE:Oct 14-16 2014

SIGNED:Basil Newmerzhycky

TIME AND DATE

Incident Meteorologist – Basil Newmerzhycky

FORECAST ISSUED:1700 Sunday Oct 12th

WEATHER DISCUSSION:

***** Windy Tuesday *****

Nrn CA will see a sharp change towards cooler weather beginning Tuesday, as Pacific Low Pressure slowly approaches. Daytime temperatures Tuesday should be 10 deg cooler than Monday, along with gradually rising humidity. Increasing clouds Tuesday Night with occasional light showers developing Wednesday. Unsettled late in the week with mixed clouds and sun along with seasonably cool conditions. Next weather system approaches by Saturday with the next chance of showers. Precipitation amounts both Wednesday and Saturday are only expected to be light, about 0.10 inches with each event.

WEATHER FORECAST:

TUESDAY:

Partly Sunny. Cooler. Max temp 73-78 deg, Min RH 28-33%. Wind SW 10-15 mph gusts 20 mph.

WEDNESDAY:

Cloudy with a chance of light showers. Breezy and cooler. Max temps 62-67 deg. Min RH above 40%. WSW winds 10-15 mph gusts 22 mph.

THURSDAY:

Partly Cloudy. Max temps 65-70 deg. Min RH above 40%. WSW winds 8-13 mph gusts 20 mph.

EXTENDED FORECAST:

Below normal temperatures and higher than normal humidity Friday-Sunday. Chance of light rain Saturday.

FIRE BEHAVIOR OUTLOOK

FIRE NAME: Applegate	OUTLOOK PERIOD (valid time period): 10/14-16/2014
DATE ISSUED: October 13, 2014	TIME ISSUED: 1000
UNIT: NEU	SIGNED: Don Boursier, FBAN/LTAN

WEATHER/CLIMATOLOGY DISCUSSION(Inland Values):Nor CA will see a sharp change towards cooler weather beginning Tuesday, as Pacific Low Pressure slowly approaches. Daytime temperatures Tuesday should be 10 deg cooler than Monday, along with gradually rising humidity. Increasing clouds Tuesday Night with occasional light showers developing Wednesday. Unsettled late in the week with mixed clouds and sun along with seasonably cool conditions. Next weather system approaches by Saturday with the next chance of showers. Precipitation amounts both Wednesday and Saturday are only expected to be light, about 0.10 inches with each event.

Tue: Max Temps. 73-78 degrees, Min. RH 28-33%, Winds SW 10-15 mph gusting to 20 mph.
 Wed: Max Temps. 62-67 degrees, Min. RH 40%+, Winds WSW 10-15 mph gusting to 22 mph.
 Thurs: Max. Temps. 65-70 degrees, Min. RH 40%+, Winds WSW 8-13 mph gusting to 20 mph.

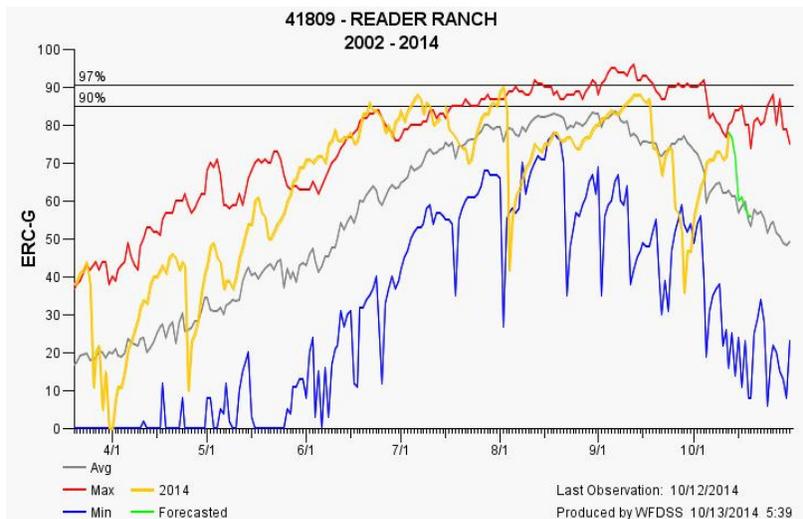
FIRE BEHAVIOR DISCUSSION (Peak Burn Period Extremes):

Short Range (Today, Tomorrow) and Medium Range (3-7 Days):

	Max. Flame Length	Max. Rate of Spread	Spotting	Probability of Ignition
Grass (Low Load)	<5'	50 ch/hr	< ¼ mile	65%
Grass (Moderate Load)	<10'	100ch/hr	< ¼ mile	65%
Grass/Shrub Mix (<3' height)	< 6'	30ch/hr	< ¼ mile	65%
Brush (<15 years old)	<15'	75ch/hr	< ½ mile	65%
Brush (>15 years old)	< 15'	50ch/hr	< ½ mile	65%
Timber Litter/Understory	< 10'	12ch/hr	< ¼ mile	65%
Crown Fire Activity	< 30'	30ch/hr	< ½ mile	65%

****minimum safety zone size for brush fuels is ¾ acre for a Strike Team of Engines.**

Low to moderate probability for large fire development. Associated with frontal passage following a period of hot and dry weather with high wind speeds. Fires are predominately wind dominated. Fire size may grow to 500-1,250 acres in the first operational period. Tactical priorities should focus on direct attack at the heel and working the flanks. Holding the fire to the ridgelines may be challenging without sufficient air support. Spotting will be prevalent and may be up to ½ mile. Vegetation that has an age class of 15 years or greater should be identified to support larger fire growth and containment challenges.



Reassessment Criteria: Changing weather and conditions past the October 16 expiration date of this forecast.

SAFETY

Frontal passage will produce increased winds for forecast period.

SAFETY MESSAGE

INCIDENT NAME
APPLEGATE

Date
Prepared:
10/13/14

Time
Prepared:
1000

OPERATIONAL PERIOD:
10/14-16/2014 0700-0700

- **Increased Winds. Rollout and torching are still possible on the fire. Review 10's, 18's, and the Downhill checklist with your crews.**
- **Prevent dehydration by drinking water frequently through each working hour. Plan ahead, don't allow water to run out. Take water with you!**
- **Personnel working in and around damaged structures wear appropriate PPE & respiratory protection. N95 masks available in Supply.**
- **Drive with your headlights on at all times, follow all speed limits and traffic laws.**
- **Potential for incoming rain. Be aware of slippery roads surfaces, unstable footing on hillsides, and potential rolling rocks.**
- **Watch for Trains, increased speeds, look before crossing!**
- **Mineshafts are in the area and can be hidden by vegetation.**
- **Be cautious of fire weakened or partially burnt hazard trees, falling trees have been reported. Identify and Isolate.**
- **Watch your footing on the fire line, maintain adequate crew spacing. There's very steep terrain on portions of the fire.**
- **Brief your crews on all the components of the IAP.**

**Ensure firefighters have good anchor points, escape routes, and safety zones.
Remember LCES.**

Lookout(s), Communication(s), Escape routes and Safety zone(s)

Prepared By:
Baraka Carter

Approved By (Safety Officer) David Krussow



ASSIGNMENT LIST (ICS 204)

1. Incident Name: APPLEGATE CA-NEU-023454		2. Operational Period: Date From: 10/14/2014 Date To: 10/17/2014 Time From: 0700 Time To: 0700		3. Branch: Division: A/G Group: Staging Area:													
4. Operations Personnel: Incident Commander: A. Gregersen Safety Officer: D. Krussow Division/Group Supervisor: M. Kidwell			<u>Contact Number</u> Radio Radio Radio														
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information													
Resource Identifier	Leader																
STC NEU Applegate 1	Nelson	16		West Paoli Exit													
NEU WAR 1	Hurd	15		West Paoli Exit													
NEU WAR 2	Russell	15		West Paoli Exit													
WT PVT E-26	Florence	1		West Paoli Exit													
NEU E2361	K. Wisdom	3		West Paoli Exit													
NEU E2379	T. Johnson	3		West Paoli Exit													
6. Work Assignments: 100% mop up. Patrol and assist public. Back haul trash. Pull all unneeded hose.																	
7. Special Instructions: <ul style="list-style-type: none"> Beware of Train Traffic. No Low Boys across West Paoli use Weimar crossing to Ponderosa Way. Beware of buried GAS PIPELINE and no heavy equipment within 100 feet of railroad right away. <p>*All units are on a 12 hour shift, 2 local units will patrol the fire at night. Night resources are in bold.</p>																	
8. Communications (radio and/or phone contact numbers needed for this assignment): <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><u>Name/Function</u></td> <td style="width: 30%;"><u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u></td> </tr> <tr> <td>CDF C2 /Command</td> <td>Radio (151.2650RX 159.3300TX) Tone 5</td> </tr> <tr> <td>VFIRE 24 /Tactical</td> <td>Radio (154.2725 RX/TX) Tone 6</td> </tr> <tr> <td>CDF TAC 22 /Air to Ground</td> <td>Radio (159.4050 RX/TX) Tone 16</td> </tr> <tr> <td>CALCORD /Med. Emergency</td> <td>Radio (156.0750 RX/TX) Tone 6</td> </tr> <tr> <td>AIR GUARD /Emergency Use</td> <td>Radio (168.6250 RX/TX) Tone 1</td> </tr> </table>						<u>Name/Function</u>	<u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u>	CDF C2 /Command	Radio (151.2650RX 159.3300TX) Tone 5	VFIRE 24 /Tactical	Radio (154.2725 RX/TX) Tone 6	CDF TAC 22 /Air to Ground	Radio (159.4050 RX/TX) Tone 16	CALCORD /Med. Emergency	Radio (156.0750 RX/TX) Tone 6	AIR GUARD /Emergency Use	Radio (168.6250 RX/TX) Tone 1
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9. Prepared by: Name: <u>K. McKeown</u> Position/Title: RESL Signature:																	
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4. Operations Personnel: Incident Commander: A. Gregersen Safety Officer: D. Krussow Division/Group Supervisor: N. Salas			<u>Contact Number</u> Radio Radio Radio																			
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information																		
Resource Identifier	Leader																					
STC MEU 9111C	Patten	17		West Paoli Exit																		
NEU CRW WAR 3	Dorado	15		West Paoli Exit																		
NEU CRW WAR 4	Furtado	15		West Paoli Exit																		
NEU E2361	K. Wisdom	3		West Paoli Exit																		
NEU E2379	T. Johnson	3		West Paoli Exit																		
6. Work Assignments: 100% mop up. Patrol and assist the public. Back haul trash and pull all unnecessary hose.																						
7. Special Instructions: Low boys use Ponderosa Way via Weimar. * All resources will be on a 12 hour shift, 2 local units will patrol the fire at night. Night resources are in bold.																						
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4. Operations Personnel: Incident Commander: A. Gregersen Safety Officer: D. Krussow Division Group Supervisor: C. Carmichael			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">Contact Number</th> </tr> <tr> <td style="text-align: center;">Radio</td> </tr> <tr> <td style="text-align: center;">Radio</td> </tr> <tr> <td style="text-align: center;">Radio</td> </tr> </table>		Contact Number	Radio	Radio	Radio									
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Resource Identifier	Leader																
STC LNU 9142C	Newberry	19		West Paoli Exit													
STC AEU 9275G	Drummond	33		West Paoli Exit													
NEU E2361	K. Wisdom	3		West Paoli Exit													
NEU E2379	T. Johnson	3		West Paoli Exit													
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4. Operations Personnel: Incident Commander: A. Gregersen Safety Officer: D. Krussow Suppression Repair Group: J. Harvey			<u>Contact Number</u> Radio Radio Radio		
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
Resource Identifier	Leader				
STG SHU 9240G	Smutz	35		West Paoli Exit	
STG TGU 9257G	Hartshorn	34		West Paoli Exit	
DOZ E-34	Robinson	1		West Paoli Exit	
DOZ PVT E-60	Ridge	1		West Paoli Exit	
EXC PVT E-142	Taylor	1		West Paoli Exit	
EXC PVT E-145	Maders	1		West Paoli Exit	
EXC PVT E-155	Willis	1		West Paoli Exit	
EXC PVT E-158	Lester	1		West Paoli Exit	
FEL PVT E-146	Schmaus	1		West Paoli Exit	
W/T PVT E-25	Wallace	1		West Paoli Exit	
W/T PVT E-27	Rodgers	1		West Paoli Exit	
FOB	Margiott	1		West Paoli Exit	
FOBS	Rodgers	1		West Paoli Exit	
FOBS	Thau	1		West Paoli Exit	
6. Work Assignments: Repair needs as per suppression plan.					
7. Special Instructions *All resources assigned to Suppression Repair Group are 12 hour resources.					
8. Communications (radio and/or phone contact numbers needed for this assignment): Name/Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel)					
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ICS 204		IAP Page _____		Date/Time: 10.13.14/1200	

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name Applegate				Date/Time Prepared 10/13/14 @ 1600			Operational Period Date/Time 10/14/14 to 10/17/14	
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	Command	CDF C2	Command	151.2650		103.5	159.3300		OST	A	Tone 5 Pilot Peak
2	Command	NEU West	Initial Attack	151.3250		131.8	159.3600		OST	A	Grass Valley ECC
3	Command	PCF West	Initial Attack	154.3550		107.2	158.8950		OST	A	Place County Fire Dispatch
4	Tactical	VTAC 11	Unassigned	151.1375		156.7	151.1375		156.7	A	Tone 6
5	Tactical	VTAC 12	Unassigned	154.4525		156.7	154.4525		156.7	A	Tone 6
6	Tactical	VTAC 13	Unassigned	158.7375		156.7	158.7375		156.7	A	Tone 6
7	Tactical	VTAC 14	Unassigned	159.4725		156.7	159.4725		156.7	A	Tone 6
8	Tactical	VFIRE 21	Unassigned	154.2800		156.7	154.2800		156.7	A	Tone 6
9	Tactical	VFIRE 23	Unassigned	154.2950		156.7	154.2950		156.7	A	Tone 6
10	Tactical	VFIRE 24	All Divisions	154.2725		156.7	154.2725		156.7	A	Tone 6
11	Tactical	VFIRE 25	Unassigned	154.2875		156.7	154.2875		156.7	A	Tone 6
12	Tactical	VFIRE 26	Unassigned	154.3025		156.7	154.3025		156.7	A	Tone 6
13	Air To Ground	CDF TAC 22	Air To Ground	159.4050		192.8	159.4050		192.8	A	Tone 16
14	Air Guard	Air Guard	All Divisions	168.6250		CSQ	168.6250		110.9	A	Tone 1 Emergency Use only
15	Tactical	CALCORD	Medical TAC	156.0750		156.7	156.0750		156.7	A	Tone 6 Medical Emergency Use
16	Air Guard	Air Guard	All Divisions	168.6250		CSQ	168.6250		110.9	A	Tone 1 Emergency Use only
17											
18											
19											
20	Air Guard	Air Guard	All Divisions	168.625		CSQ	168.625		110.9	A	Tone 1 Emergency Use only
Prepared By (Communications Unit) Tom Webb COML						Incident Location: Applegate County Placer State CA Latitude 39 00 14N Longitude 120 59 36 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.

MEDICAL PLAN (ICS 206)

1. Incident Name: APPLEGATE		2. Operational Period: Date From: 10/14/14 Time From: 07:00		Date To: 10/16/14 Time To: 07:00			
3. Medical Aid Stations:							
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?				
"NONE"							
4. Transportation (indicate air or ground):							
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service				
AMR (GROUND)	COLFAX (10 MIN ETA) OR AUBURN AREA (15 MIN ETA) 911 ACTIVATION	COMM.CHANNEL/GRASS VALLEY ECC	XXX ALS BLS				
CALSTAR (AIR)	AUBURN CALFIRE STATION	800-252-5050	2 FLIGHT NURSES				
5. Hospitals:							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/ Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
AUBURN FAITH BASIC 24 HR ER	11815 EDUCATION ST, AUBURN N38 56.70 W121 05.90	530-888-4500	5	10	NO	No	Yes
SUTTER ROSEVILLE TRAUMA ER	1 MEDICAL PLAZA DR, ROSEVILLE N 38 45.90 W121 14.80	916-781-1000	10	25	XX Yes Level: <u>2</u>	NO	Yes
UC DAVIS TRUMA/BURN ER	2315 STOCKTON BLVD SACRAMENTO N 38 33.17 W121 27.18	916-734-2011	15	45	XX Yes Level: <u>1</u>	Yes	Yes
6. <u>Special Medical Emergency Procedures:</u>			<u>INJURY REPORTING PROCEDURES</u>				
<p><u>LINE EMERGENCY:</u> "PLEASE KNOW AND FOLLOW"</p> <p>Crew Supervisor to contact Division Supervisor with patient complaint/condition and location.</p> <ul style="list-style-type: none"> • Division Supervisor contacts: <ol style="list-style-type: none"> 1. Closest nearby EMT/Paramedic 2. Grass Valley Command Center • Grass Valley Command Center <ol style="list-style-type: none"> 1. Ground EMS resource/ambulance 2. Operations 3. Safety • Division Supervisor or designee will serve as point of contact and run medical emergency utilizing CALCORD for IWI and only for duration needed. • Communication Unit will clear command channel for emergency traffic as needed and only for time needed. • <u>IF ALL ELSE FAILS DIAL 911.</u> 			<p>NATURE OF INJURY _____</p> <p>LOCATION OF PATIENT _____</p> <p>TRANSPORT REQUEST BY: AIR ___ GROUND ___</p> <p>DIVISION _____ CREW _____</p> <p>POINT OF PICKUP _____</p> <p>LAT _____ LONG _____</p> <p>IS EMT WITH THE PATIENT: YES ___ NO ___</p> <p>AGE _____</p> <p>SEX: MALE ___ FEMALE ___</p>				
<p><input type="checkbox"/> Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.</p>			<p>ALL EMERGENCIES</p> <p>Secure the area and identify witnesses for later investigation. Keep an accurate log of events.</p>				
7. Prepared by (Medical Unit Leader): Name: <u>J. Winnen / T. Gordon</u> Signature: _____							
8. Approved by (Safety Officer): Name: <u>D. Krussow</u> Signature: _____							
ICS 206	IAP Page _____	Date/Time: <u>10/13/2014 10:20</u>					

Applegate
CA-NEU-023454
Fire Suppression Repair Plan
By: Steven Garcia, Suppression Repair
Created on October 11, 2014

Outline

- I. Objectives
- II. General Repair Guidelines
 - A. Helispots/Drop Points/Staging Areas/Safety Zones
 - B. Roads
 - C. Firelines; Hand and Dozer
 - D. Concentrations of Slash
 - E. Watercourses
 - F. Archaeological or Historic Sites (if discovered)
 - G. Site Specific Issues

I. Objectives

The objective of this suppression repair plan is to mitigate possible adverse effects to resources resulting from fire suppression activities on the Applegate Incident, in a manner which does not compromise firefighter safety. Surface water/erosion control, protection of cultural resources, stabilization of facilities such as roads, fence repair and the maintenance of site productivity for all lands involved in the incident are the focus of this work. Initial field review and observations began on October 10, 2014. All fire suppression repair information observed by incident personnel shall be forwarded to the Suppression Repair Unit Leader.

Suppression Repair personnel will develop more site-specific repair recommendations, where needed. Specific information about roads, constructed firelines, helispots, safety zones and other suppression facilities will be provided by the Suppression Repair Unit Leader. The Suppression Repair Unit Leader will maintain a complete record (maps or GIS files) of suppression facilities and suppression repair treatments. Submittal of additional site specific information will be ongoing.

II. General Repair Guidelines

A. Helispots/Drop Points/Staging Areas/Safety Zones

- Avoid leaving heavy accumulations of slash and/or debris, scatter so it appears natural.
- Pull any berms back onto the site. Install cross drainage.
- Spread slash or brush over the area, if available.
- Large exposed areas of soil may be ripped as an alternative to waterbarring.

B. Roads

Each road should be evaluated to determine how it should be drained. Some sections only require the outside berm to be broken while others may need waterbars. If rolling dips existed prior to the incident, they shall be restored as appropriate.

- Install waterbreaks where a waterbreak previously existed.
- Install new waterbreaks where needed
- Install or maintain a rolling dips where a rolling dip previously existed.
- Some cooperators roads reopened during the incident now require closing or blocking access. These will be site specific issues to be addressed as needed.
- Re-establish existing berms where applicable.
- Breach berms to facilitate drainage, where applicable.
- Clean culverts plugged with soil and rock resulting from fire road use.
- Remove all slash and debris from culvert inlets/outlets.

- Clean and grade ditch lines and lead off ditches.
- Blading or grading of roads to restore/maintain stable road surfaces may be necessary. Grading shall be done after containment and control objectives have been met once suppression repair activities have commenced, or as deemed necessary by operations, branches or divisions.
- Vegetation displaced and deposited adjacent to roads shall be pulled and scattered to cover bare soil, or lopped in-place, or rearranged to reduce hazards as practical.

C. Firelines; Hand and Dozer

Repair Objectives – to reduce soil erosion and visual impacts.

- Install waterbars as described in the guidelines below. Waterbars are designed to intercept, slow and spread the precipitation run-off in order to reduce sediment transport and soil erosion. The idea is to move water off the fireline before it can build up enough energy to erode and transport sediment.
- Dozer lines where significant numbers of trees greater than 6" diameter have been pushed over, special measures will be taken to reduce the associated significant fuel loading. Treatment will include whole tree chipping which consists of removal of trees from dozer piles, cutting of stumps, skidding and chipping on site. Material that cannot feasibly be chipped in this manner will be masticated, lopped and scattered, or scattered and tracked with equipment, and will be determined by the suppression repair group supervisor.

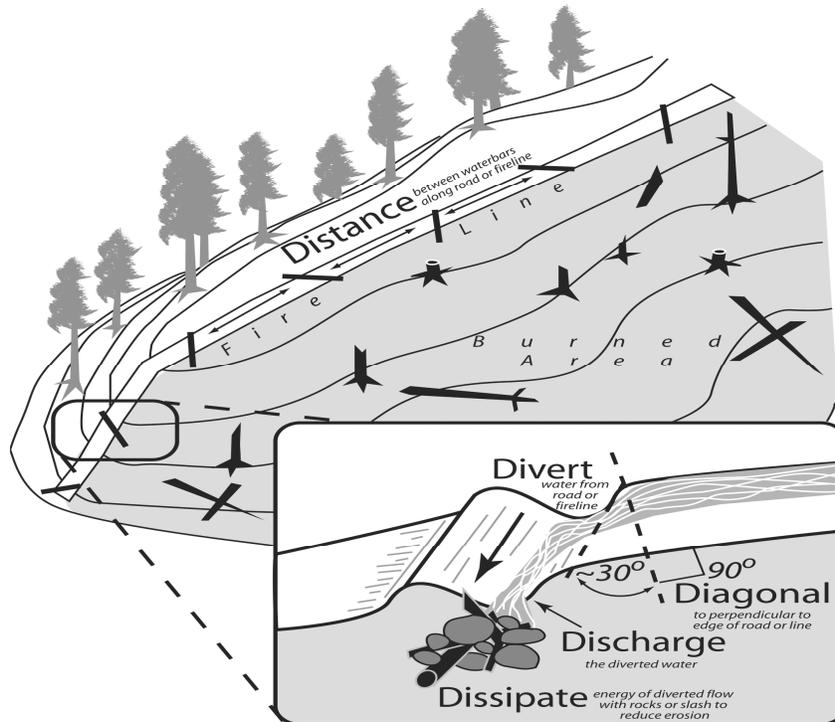
Waterbar Guidelines:

- SPACING: These spacing distances should be used as a *guide*. Judgment should be used in locating waterbars to minimize erosion potential. It may not be possible or necessary to place waterbars in steep or rocky areas. Install waterbars at the following recommended **minimum** intervals:

Fireline Gradient (% slope)	Minimum Distance Between Water-Bars (feet)
0 to 10	200
11 to 25	100
25+	50

- LOCATION: Locate waterbars at natural slope breaks or to take advantage of natural features when possible. Direct water to unburned areas, and/or resistant surfaces with high vegetation cover when possible. Waterbars should extend beyond the width of the trail and discharge into undisturbed areas, rocky ground, or filter areas well protected with slash and vegetative cover.
- DEPTH AND WIDTH: Waterbars need to be cut into the ground surface, do not simply push up soil. On dozer constructed line waterbar depths should be at least 6 inches; total height from bottom of ditch to top of waterbar should average at least 12 inches and not exceed 24 inches. On hand constructed line waterbar depths should be at least 4 inches; total height from bottom of ditch to top of water-bar should average at least 8 inches and not exceed 18 inches. The width of the waterbar channel should be enough to handle expected water flows and to avoid plugging when a normal amount of sloughing occurs.
- ANGLE: Determine the average gradient in percent slope of the fireline being waterbarred. Add 5 to the average gradient. This approximates the angle in degrees for the water bar. Do not install water bars at an angle steeper than 45 degrees as this will increase water velocity rather than slow it down.
- Scatter large concentrations of slash or debris (concentrations larger than 5ft x 5ft x 5ft).

Waterbar Guidelines



D. Concentrations of Slash

On areas that can not be adequately waterbarred or as an option to waterbarring, slash may be spread to cover the soil to minimize erosion. Branches and logs should be placed at contour and as thick as possible. Leave some amount of bare soil along the burned edge of the fire to prevent fire from carrying across the line. This work should be completed only after the fire is out and with the permission of Branch, Operations, or the IC.

- Piles created by suppression operations within 150' of permanent structures, public roads or private roads will be lopped and scattered within 18" of the soil surface.

E. Watercourses

Remove all deposited soil from watercourses, swales or draws back to original level. Place waterbars on both sides of a watercourse where possible. Restore channel banks at fire line crossings to the bank shape see above and below the crossing. Pull perched soil from drainage edges and feather it out onto fire trail

- Remove fire suppression created debris from stream channels. Do not remove large woody debris (LWD) which was in channels prior to the fire.
- Major watercourse damage, if present, shall be reported to the Suppression Repair Unit prior to the end of the shift.
- Where fire lines are constructed within 100' of running watercourses, straw or wood chip mulching will be placed to prevent sediment from entering the watercourse. All loose soil must be pulled away from the watercourse and stabilized.
- Block access to stream channels where not previously accessible from roads and trails (utilize slash and or rock).

F. Archaeological or Historic Sites (if discovered)

- All potential sites shall be flagged and avoided.
- Impacted sites will be reported to the Suppression Repair Unit Leader as soon as possible.
- If sites are encroached upon, work will stop immediately and the Division/Group Supervisor or Suppression Repair Leader will be notified.

G. Site Specific Issues

These guidelines are in addition to specific guidelines which pertain to specific project sites. Due to the ongoing nature of the incident submittal of specific guidelines is incomplete. Additions will be submitted as on-the-ground reviews are completed and future dozer lines, safety zones, are constructed.

The Suppression Repair Group will keep the IC advised of site specific issues or repair requests that are not consistent with this plan prior to initiating any of those repair activities.

SUPPRESSION REPAIR

It is time to begin planning for the fire suppression repair efforts. A fire suppression repair plan will be developed for each of the fires within the NEU Applegate Incident. To accomplish our goals we need to identify problem areas, prescribe the needed work, and ensure that the work is completed.

In an effort to identify problem areas we have created the attached form for use by Divisions. As noted on the form, items to consider include: fences and gates damaged during the incident; road and watercourse crossings repairs; culverts and watercourses needing cleanout; fire breaks in need of waterbarring; trash and equipment pickup.

Use the attached form(s) to document locations where repair work may be necessary. Use maps to show locations. Return forms to the Suppression Repair Unit at the end of your shift.

Fire Suppression Repair Checklist

Fire Name _____ **Form Preparer** _____

Division _____ **Date Prepared** _____

Work Needed

Location (Lat/Long)

Fence/Gate Repair _____

Waterbars _____

Road Repair _____

Watercourse Cleanout _____

Culvert Cleanout and Repair _____

Seeding/Mulching Watercourse Crossing _____

Trash Pickup _____

Other _____

NOTE: List type of material/equipment/personnel needed (e.g., fencing materials, tools, dozer, backhoe, stakeside, handcrew, etc.)

CAL FIRE

INCIDENT MANAGEMENT TEAM

WATER USAGE PLAN

California Drought Emergency

The following shall be considered and implemented by all fire resources as a means to provide maximum efficiencies when utilizing water resources, while minimizing the impacts to private and public water supplies. Accountability shall be maintained for all water supplies that are utilized and care should be applied to ensure proper replacement and/or reimbursement to the supplier/ owner.

Fireline personnel- (During mop up operations)

- Use of Pencil Hose and Garden Nozzles with Shut-Offs.
- Use of Back pumps.
- Dry Mop-up and consolidation of heavy fuels to areas where they can burn out safely
- Locate/ Relocate Firelines to lighter fuels or natural barriers when safe.
- Set up and use portable tanks in anticipation of longer transport times for Water Tenders.
- Use of foams, gels and other water enhancers.
- Evaluate need to mop up in excess of 200 feet from fireline

Road Maintenance and Repair-

- Monitor and water roads only when and where needed.
- Water when most effective (evening and nights).
- Use chemical treatments when available (Magchloride, Omni bind ect).
- Consider use of tertiary or treated water (sp)

Aviation Operations-

- Use of Gels, Foams and Retardants. Set up portable plants.
- Consider Blivits and Pencil hose for interior mop up operations as opposed to numerous bucket drops.
- Establish and use pre-use agreements for existing and known water sources.
- Use large watershed dip sites when able. Minimize use of small, static ponds and lakes.
- Maintain accountability of water used and locations of dip sites.
- Evaluate need for interior bucket drops

Private Water Supplies-

- Notify property owner as early as possible.
- Minimize usage and develop alternative water supplies when and where appropriate.
- Track usage (meter, 214 form) and develop a plan to replace water.
- Make arrangements for reimbursement and damage claims if needed.

Public/ Municipal Water Supplies-

- Notify Agency as soon as possible and request a representative to the incident.
- Identify fill areas and request metering devices. Place on incident map.
- Use alternative or reclaimed water sources when available. Place on incident map.
- Make arrangements for reimbursement and damage claims if needed.

Management and Supervision-

- Use leaders intent and establish Water Conservation as an Management Objective.
- Consider complexity of water use on incidents. Establish a Water Supply Group Supervisor to coordinate additional resources to support the incident needs.
- Complete the Water Usage Report daily and turn in to Finance
- Review this check list and brief daily.

Instructions for Use of CDF 101 Property Certification of Location or Damage

Document Number: for use as a local number system or when attached to a FC-40 document.

Location / Incident Name: Enter the CDF facility property is assigned to. If submitting to an incident base, enter the Incident Name.

Incident Number: Enter the appropriate incident number

Unit: Enter the Unit the property is assigned to. If submitting to an incident base, enter the request number of the person certifying damage example E-320, C-14 or O-355.

Region: Enter the CDF Region where the property was assigned. If submitting to an incident base, enter the CDF Region responsible for the incident.

Date: Enter the date the P.L. or D. was completed.

The following items were: Enter either 'Broken', 'Left on Line', 'Damaged' or other status of the property.

Reminder, this form cannot be used in place of the STD-152 to certify Lost, Stolen, Worn Out or Damaged beyond repair property.

Date of Occurrence: Enter the date the property was broken, left on line or damaged.

Quantity: Enter the quantity for the line item.

Unit of Measure: Enter the unit of measure for the line item (example ea = each).

CDF Stock Number: Enter the PIN or stock number.

Description: Enter the description of the line item, indicate size, make, model and type. Clearly describe the item and provide adequate data to effectively identify equipment or property.

Property Number: Enter the CDF property number assigned to the line item, Capitalized or sensitive property must have their property number entered here.

Location of Items: Where is the property now (example, left on Division B night shift 8/1/04, Drop Point 2). A GPS coordinate, Station 22 or Unit Service Center may also be used to describe Location.

Remarks: Enter specific remarks here, how was the property damaged, what specifically is wrong with it.

Signature of Person Certifying Occurrence as Described:

Signature: The CDF Employee certifying the occurrence must sign.

Printed Name: Enter the printed name of the signature.

Title: Enter the title of the signature.

Date: Enter the date of the signature.

Unit Supervisors Approval:

If submitted on an incident this section must be completed by the supervisor of the property custodian. This may be the Strike Team Leader, Division Supervisor, Receiving and Distribution Manager, Supply Unit Leader, Logistics Section Chief, Agency Representative or Incident Commander.

If submitted at the home Unit this section must also be completed by the supervisor of the property custodian. This may be a Battalion or Division Chief.

Comments: Supervisors may enter comments of approval or disapproval.

Signature of Unit Administrator: Signature of Unit Supervisor reviewing the certification described.

Title: Title of the signature.

Date: Date of the signature.

Notes:

This document is NOT required if exchanging property at an incident base with the exception of capitalized or sensitive property assigned a CDF property number.

This document is required as certification when submitting an MRT to your local Service Center for replacement of property.

An OF-315 (Incident Replacement Requisition) is required as authorization to purchase fire replacement items at your local Unit. This document is required when submitting an MRT to you local Service Center for fire replacement items. A CDF-101 and/or A STD-152 are required for the certification of the status of property being requisitioned for replacement.

FIRE AREA MAP

Applegate Incident

CA-NEU-023454

10/10/2014



0 0.25 0.5 1 Miles

