

RYE

INCIDENT

CA-LAC-362441

INCIDENT ACTION PLAN



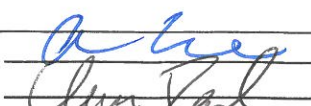
OPERATIONAL PERIOD

12/10/2017 0800

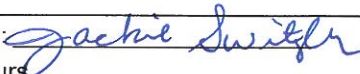
to

12/13/2017 0800

INCIDENT OBJECTIVES (ICS 202)

| | | | |
|---|--|--|--|
| 1. Incident Name: <p style="text-align: center;">RYE</p> | 2. Operational Period: | Date From: 12/10/2017 Time From: 0800 | Date To: 12/13/2017 Time To: 0800 |
| 3. Objective(s): <u>Management Objectives</u> <ul style="list-style-type: none"> - Provide for responder and public safety by utilizing the 10 standard firefighting orders, 18 standard watch out situations, and the risk management process. - Ensure that all operational actions are commensurate with the values at risk. - Provide for the timely and accurate dissemination of information to the public, the news media and all responders. - Maintain, restore, and control access, vital infrastructure, and utilities. - Ensure compliance with the Agency Administrator and Stakeholders priorities. - Foster and maintain relationships with all cooperators and stakeholders. <u>Control Objectives</u> <ul style="list-style-type: none"> - Keep the fire within established control lines. | | | |
| General Situational Awareness: | | | |
| 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 | | | |
| <input checked="" type="checkbox"/> ICS 203 | <input checked="" type="checkbox"/> ICS 215A | <input type="checkbox"/> Logistics PL&D | <input checked="" type="checkbox"/> Fire Suppression Repair Plan |
| <input checked="" type="checkbox"/> ICS 204 | <input type="checkbox"/> ICS 220 | <input type="checkbox"/> Training Message | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> ICS 205 | <input checked="" type="checkbox"/> Incident Map | <input type="checkbox"/> Travel Map | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> ICS 206 | <input checked="" type="checkbox"/> Weather Forecast | <input type="checkbox"/> Demob Plan | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> ICS 208 | <input checked="" type="checkbox"/> Fire Behavior | <input type="checkbox"/> Finance Message | <input checked="" type="checkbox"/> ICS 214 |
| 7. Prepared By: Adam Uehara | | Position/Title: PSC | |
| 8. Approved by Incident Commander: | | Signature:  | |
| ICS 202 | | | |

ORGANIZATION ASSIGNMENT LIST (ICS 203)

| | | | |
|--|---------------------------------------|--|---|
| 1. Incident Name: <p style="text-align: center;">RYE</p> | | 2. Operational Period: Date From: 12/10/2017 Date To: 12/13/2017 | |
| | | Time From: 0800 Time To: 0800 | |
| 3. Incident Commander(s) and Command Staff: | | 7. Operation Section: | |
| IC (12/10) | T. Ewald /C. Rash(T), A. Mackey (T) | Chief | |
| IC (12/11,12/12, 12/13) | S. Hale / C. Rash (T), A. Mackey (T) | Deputy | |
| Safety Officer | Randy Perry | Night Ops | |
| Information Officer | Kenichi Haskett, K. Barnes (T) | | |
| Liaison Officer | Kevin Klar | Branch | I / II / III |
| | | Division/Group | A/Z/D/E/M/W/X |
| | | Division/Group | |
| 4. Agency/Organization Representatives: | | Division/Group | |
| Agency/Organization | Name | Division/Group | |
| CCC | J. Cortez | Division/Group | |
| CDCR | M. Nunez | Branch | |
| So Cal Edison | T. Whitman | Division/Group | |
| So Cal Gas | J. Garcia | Division/Group | |
| LASD | R. Lewis | Division/Group | |
| Cal Fire | Shane Littlefield, Pat Aguada | Division/Group | |
| | | Division/Group | |
| | | Branch | |
| | | Division/Group | |
| | | Division/Group | |
| | | Division/Group | |
| | | Division/Group | |
| | | Division/Group | |
| 5. Planning Section: | | Branch | |
| Chief | Adam Uehara | Division/Group | |
| Resource Unit | Jackie Switzler | | |
| Situation Unit | | | |
| Documentation Unit | | | |
| Demobilization Unit | | | |
| GISS | Brad Weissupt, Garrett Hazelton | | |
| FBAN / Weather | S. Volmer, M. Stubblefield | | |
| | | | |
| | | | |
| 6. Logistics Section | | Air Operations Branch | |
| Chief | J Lopez, Kelly Kim (T), Bill Romo (T) | Air Operations Branch Director | |
| Supply Unit | | Air Support Grp Sup | |
| Facilities Unit | | Helibase Manager | |
| Ground Support Unit | Jose Martinez | 8. Finance/Administration Section: | |
| Communications Unit | Travis Wight | Chief | Tammy Hasert |
| Ordering Manager | Tamara Hanna | Time Unit | |
| | | Procurement Unit | |
| | | Comp/Claims Unit | |
| | | Cost Unit | |
| | | | |
| Prepared By: Name: | Jackie Switzler | Position/Title: | RESL |
| ICS 203 | | Date/Time: | 12/9/2017 2300 hours |
| | | Signature: |  |



FIRE WEATHER FORECAST



Forecast No. 3 extended

Name of Fire: Rye Fire

Unit: LA County

Time & Date Issued: 1820 MDT 12/9/17

Prediction for: 0800-0800

Shift Date: 12/10-12/13/17 Sunday-Tuesday

Signed: Mark Stubblefield, IMET *ms*

Weather Discussion: Strong surface high pressure will remain over the Great Basin with strong northeast winds continuing over the fire area through Sunday evening. Very dry conditions will also continue with very poor recovery at night. Considerable high cloudiness will continue through Monday. The pressure gradient will relax some on Monday and Tuesday with breezy conditions each day.

...RED FLAG WARNING UNTIL SUNDAY EVENING FOR STRONG WINDS AND LOW RH...

.TODAY...

SKY WEATHER...Mostly cloudy.

MAX TEMP...74 to 77F

MIN RH... 5 to 8%

SLOPE/VALLEY WINDS (20 FOOT)...northeast 24 to 28 MPH with gusts to 38 MPH early morning to early afternoon then slowly decreasing.

10000 FOOT WINDS...east 10 to 15 MPH.

Afternoon mixing level: 2,000 feet AGL.

LAL: 1

.TONIGHT...

SKY WEATHER...Mostly Cloudy.

MIN TEMP...60 to 63F

MAX RH ... 10 to 13%

SLOPE/VALLEY WINDS (20 FOOT)... northeast 15 to 20 with gusts to 35 MPH until 2000 then decreasing to 13 to 18 MPH with gusts to 28 MPH.

10000 FOOT WINDS...southeast 8 to 12 MPH.

LAL: 1

Outlook For Monday...Mostly cloudy. Max Temp 75 to 78 F, Min RH 6 to 9%. 20-ft Winds: northeast 15 to 20 with gusts to 30 MPH. Afternoon mixing level: 4,000 feet AGL. 10000 foot winds: northeast 5 to 10 MPH.


Outlook For Tuesday...Partly cloudy. Max Temp 74 to 77 F, Min RH 5 to 8%. 20-ft Winds: northeast 13 to 18 with gusts to 28 MPH. Afternoon mixing level: 2,800 feet AGL. 10000 foot winds: northeast 10 to 15 MPH.

Saturday's observations:

Saugas RAWS(1,450 feet): Min temp: 61F Max RH: 12% Max Temp 72 Min RH 6% Max wind NE 40 MPH

Del Valle RAWS(1,278 feet) Min temp: 61F Max RH: 11% Max Temp: 74F Min RH 6% Max wind NE 30

FIRE BEHAVIOR OUTLOOK

| | |
|---|---|
| FIRE NAME: RYE | OUTLOOK PERIOD (valid time period): 12/10-12/13 0800-0800 |
| DATE ISSUED: December 9, 2017 | TIME ISSUED: 1800 |
| UNIT: Los Angeles County LAC-362441 | SIGNED:  Typed/printed : STEPHEN VOLMER FBAN |

WEATHER/CLIMATOLOGY DISCUSSION: High pressure aloft and gusty offshore winds will persist over area. The offshore flow will continue through next week with winds slackening and gaining throughout each day. This will keep conditions warm and dry throughout the area. Overnight humidity recovery will be very minimal, maintaining the extremely dry fuel conditions in the area.

Sunday: Max Temps. 77 degrees, Min. RH 5%, Northeast winds 24-28 mph gusts to 38 mph slowing after noon.
 Monday: Max Temps. 78 degrees, Min. RH 6%, Northeast winds 15-20 mph gusts to 30 mph.
 Tuesday: Max Temps. 77 degrees, Min. RH 5%, Northeast winds 13-18 mph gusts to 28mph

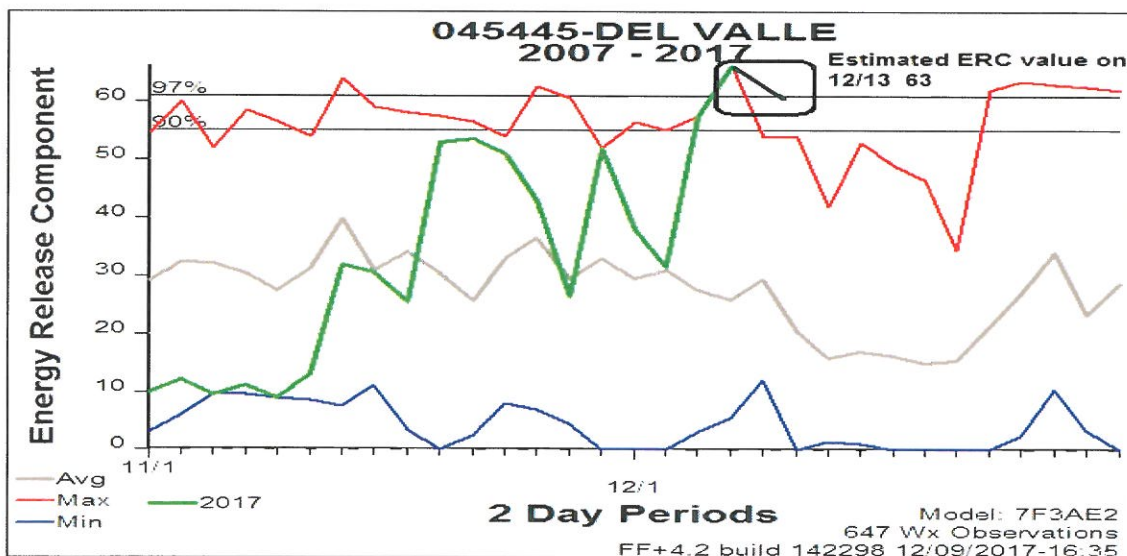
FIRE BEHAVIOR DISCUSSION (Peak Burn Period Extremes):

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

| | Max. Flame Length | Max. Rate of Spread | Spotting | Probability of Ignition |
|------------------|-------------------|---------------------|------------|-------------------------|
| Grass (Low Load) | 10' | 180 ft/min | < .5 mile | 75% |
| Grass/Shrub | 10' | 130 ft/min | < .6 mile | 75% |
| Brush | 30' | 300 ft/min | < 1.5 mile | 75% |

****minimum safety zone size in brush is 1.6 acres, and .5 acres in grass for a Strike Team of Engines.**

The potential for fires to grow beyond 100 acres if very high. New fires will have rapid rates of spread, along with long distance spotting increasing the growth rate. Expect fires to be mainly wind dominated and move into extended attack. Direct attack tactics should be utilized with caution due to high gusty winds. Reconsider any attempt of frontal assaults for other viable options. Brush fields will contribute to longer distances of spotting, increased rates of spread, and flame lengths. Extremely rapid rates of spread may develop with the alignment of wind, slope and solar pre-heating.



Smoke Concerns: The area will remain clear of smoke, unless a new fire becomes established to the east of the incident. Mixing heights will average 3,000ft AGL for the period.


Reassessment Criteria: Changing weather and conditions, or past the December 13th expiration date of this forecast.

SAFETY

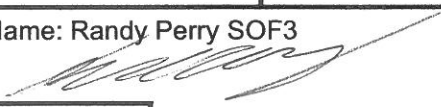
Light Fuels React Very Quickly to Changes in Humidity and Temperature. Plan Ahead!



SAFETY MESSAGE RYE INCIDENT

| | | |
|--|---|------------------------------------|
| 1. Incident Name: Rye | 2. Operational Period: Date From:12/10/17 Time From: 08:00 | Date To:12/13/17 Time To: 08:00 |
| <p>3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:</p> <p style="text-align: center;"><u>AVOID COMPLACENCY DURING THE RAPID WIND-DOWN OF THE INCIDENT</u></p> <ul style="list-style-type: none"> ➤ Use proper lifting techniques when lifting, backhauling, etc. ➤ Remember to complete your “Golden Circle” prior to moving Apparatus. One minute spent completing your “walk around” could save hours, injuries, etc. ➤ Continue to follow “Work-Rest Guidelines” throughout the Incident. ➤ Be aware of complacency. Review the “Common Denominators”. Have a Contingency Plan. ➤ ESTABLISH: LOOKOUTS, COMMUNICATIONS, ESCAPE ROUTES AND SAFETY ZONES. ➤ Don’t let your guard down on proper hydration and nutrition levels. This will keep you ready for any new Incidents as well. ➤ Watch for contractors working on the line. ➤ Drive with head lights on and slow down. <p style="text-align: center;"><u>IT’S NOT OVER UNTIL IT’S OVER!</u></p> | | |
| <p>4. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> | | |
| <p>5. Prepared by: Name: Randy Perry SOF3 </p> | | |
| ICS 208 | Date/Time December 9, 2017 / 1600 | |

INCIDENT ACTION PLAN SAFETY ANALYSIS (ICS 215A)

| 1. Incident Name: Rye | | 2. Incident Number: CA-LAC-362441 | |
|---|--|--|--|
| 3. Date/Time Prepared: Date: 12/09/2017 Time: 1530 hours | | 4. Operational Period: Date From: 12/10/2017 Date To: 12/13/2017 Time From: 0800 hours Time To: 0800 hours | |
| 5. Incident Area | 6. Hazards/Risks | 7. Mitigations | |
| ALL | Routes of Travel; Entering and Exiting Incident Base, Speed Limit at Incident Base | <ul style="list-style-type: none"> • Drive with extreme caution, lights on, drive slowly and expect opposing traffic. • Follow one way traffic plan. | |
| ALL | Fireline Suppression Repair | <ul style="list-style-type: none"> • Caution working in an around heavy Equipment • Watch for rolling material when heavy equipment working above. | |
| ALL | Weather | <ul style="list-style-type: none"> • Be aware of changing wind conditions. • Watch for changing weather conditions. | |
| ALL | Steep Terrain | <ul style="list-style-type: none"> • Watch footing, maintain downhill tool placement. • Be aware of loose material becoming dislodged. | |
| ALL | Hydration | <ul style="list-style-type: none"> • Drinking water before, during and after shifts. Up to 1.5 gal. per shift. • Be alert for signs of heat stress in yourself and others. | |
| ALL | Fatigue – Physical and Mental | <ul style="list-style-type: none"> • Continually monitor your crew for fatigue and illness. • Rehab your crew; take breaks, out of the smoke if possible. • Know the signs and symptoms. Look out for one another. | |
| ALL | Mop-up | <ul style="list-style-type: none"> • Conduct thorough briefing for all personnel (inside rear cover IRPG). • Use all required PPE, including eye protection. • Maintain proper spacing and overhead clearance. • Be alert for stump holes and root cavities. • Minimize exposure to smoke, and rotate personnel into clean air as practical. • Evaluate unburned islands/Increase situational awareness. | |
| ALL | Demob & PPE | <ul style="list-style-type: none"> • Follow the Demob Safety Message. • Ensure your PPE is In-Service. Repair/Replace as needed. | |
| 8. Prepared by (Safety Officer): Name: Randy Perry SOF3 | | | |
|  | | | |
| ICS-215A | | | |

MEDICAL PLAN (ICS 206)

| | |
|--|--|
| 1. Incident Name: <p style="text-align: center; margin-left: 100px;">RYE</p> | 2. Operational Period: Date From: 12/10/17 Date To: 12/13/17 Time From: 0800 Time To: 0800 |
|--|--|

| 3. Medical Aid Stations: | | | |
|---------------------------------|----------|---------------------|------------|
| Name | Location | Contact Number/Freq | Paramedics |
| N/A | | | |

| 4. Transportation (indicate air or ground): | | | |
|--|-----------------|----------------|------------------|
| Ambulance Service | Location | Contact Number | Level of Service |
| LAC Copter Hoist/Rescue/Night | Barton Heliport | 818-890-5755 | ALS |
| LAC 911 System Ambulance | LAC FCCF | 323-881-6183 | ALS |

| 5. Hospitals: | | | | | | | |
|-----------------------------|---|------------------------------|-------------|--------|---------------|---|---|
| Hospital Name | Address | Contact Number(s)/ Frequency | Travel Time | | Trauma Center | Burn Center | Helipad |
| | Lat & Long Helipad | | Air | Ground | | | |
| Henry Mayo Newhall Hospital | 23845 W.McBean Pkwy. Valencia, CA 91355 N34 23.94 W118 33.11 | 661-200-1601 | 3 | 15 | Level 2 | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| Holy Cross | 15031 Rinaldi St. Mission Hills, CA 91345 N34 16.81 W118 27.67 | 818-496-1270 | 7 | 25 | Level 2 | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| West Hills Hospital | 7300 Medical Center Dr. West Hills, CA 91307 N34 12.18 W118 37.75 | 818-676-4598 | 10 | 35 | Level 1 | <input checked="" type="checkbox"/> Yes | <input checked="" type="checkbox"/> Yes |
| LAC – USC, Level 1 Trauma | 1200 N. State St. Los Angeles, CA 90033 N34 03.43 W118 12.50 | 323-222-9111 | 15 | 45 | Level 1 | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |

6. Special Medical Emergency Procedures

Line Emergency
 Crew Supervisor will contact IC with patient complaint/condition and location.
 - IC Contacts:
 1. Closest EMS resource
 2. LAC FCCF
 - LAC FCCF:
 1. Ground or Air ambulance as requested.
 2. IC
 3. Safety
 - IC or designee will serve as point of contact and run medical emergency on assigned channel.
 - IC will clear the Command channel for emergency traffic as needed for duration of the need.

Camp Emergency
 Contact IC with patient complaint/condition and location. Medical staff will respond to stabilize the patient.
 - IC contacts:
 1. LAC FCCF
 2. Safety
 3. Logistics
 4. Crew Supervisor

Injury Reporting Procedures
 Nature of Injury: _____
 Location of Patient: _____
 Point of Contact: _____
 Transportation Requested by: Air _____ Ground _____
 Point of Pick-Up: _____
 WGS84 Lat: _____ Long: _____
 Patient Unit ID: _____
 Is an EMT with Patient: Yes _____ No _____
 Age: _____ Sex: Male _____ Female _____
 All Emergencies - Secure the area and identified witnesses for later investigation. Keep accurate log of events.


7. Prepared by (Medical Unit Leader): Jorge Segura Signature:

8. Approved by (Safety Officer): Josh Janssen Signature:

ICS 206 Date/Time: _____

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

| 1. Incident Name: RYE | | 2. Date/Time Prepared Date: 12/09/2017 Time: 1830 | | 3. Operational Period: Date From: 12/10/17 Time From: 0800 | | Date To: 12/13/17 Time To: 0800 | | |
|---|--------------|--|----------------|--|---------|--|---------|-------------------------------|
| 4. Communications | | | | | | | | |
| Ch# | Function | Name | Assigned To | Rx Freq | Rx Tone | Tx Freq | Tx Tone | Notes |
| 1 | Command | LAC V4 | All Divisions | 152.5700N | 151.4 | 157.8300N | 151.4 | |
| 2 | | | | | | | | |
| 4 | Admin | LAC BLU12 | IC / DISP ONLY | 470.4875 | | 473.4875 | 151.4 | IC TO DISPATCH on LAC UHF CNV |
| 5 | | | | | | | | |
| 6 | Tactical | VFIRE 25 | All Divisions | 154.2875N | 156.7 | 154.2875N | 156.7 | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | Tactical | CDF T16 | All Divisions | 159.2850N | 192.8 | 159.2850N | 192.8 | AIR TO GROUND |
| 15 | Coordination | CALCORD | All Divisions | 156.0750N | 156.7 | 156.0750N | 156.7 | MEDICAL COORDINATION |
| 16 | Emergency | GUARD 8 | All Divisions | 168.6250N | | 168.6250N | 110.9 | AIR GUARD |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | Emergency | GUARD 8 | All Divisions | 168.6250N | | 168.6250N | 110.9 | AIR GUARD |
| 5. Special Instructions | | | | | | | | |
| ***TO CONFIRM THE MOST CURRENT CLONE, ENSURE YOUR CHANNEL 16 OR 20 DISPLAY MATCHES CHANNEL 16 OR 20 OF THE 205*** | | | | | | | | |
| 6. Prepared by (Communications Unit Leader): Name: J. Brooks IMT6 / T. Wight LAC | | | | Signature:  | | | | |
| ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION//BASIC | | | | Date/Time: 12/09/17 1830 | | | | |

CAL FIRE FINANCE SECTION

The Finance Section will be relocating:

Date: Monday December 11, 2017

Location: Hilton Garden Inn
27710 The Old Road
Valencia, CA

Phone: (925) 588-6806

- CAL FIRE Time
- Hired Equipment
- Procurement
- Comp/Claims

No engines or heavy equipment in parking lot.



PUBLIC INFORMATION SECTION

Los Angeles County Public Information: (323) 881-2411
 Rye Fire Incident Line: (424) 266-0701

| STATUS | |
|--|------------------------------------|
| Incident Start Date: 12/5/2017 | Incident Start Time: 9:32AM |
| Incident Type: Wildfire | Cause: Under Investigation |
| Incident Location: 25101 Rye Canyon Loop Santa Clarita, CA 91355 | Total Personnel: |
| Acreage: | Containment: |

MEDIA – The California State Penal Code Section 409.5(d) allows the news media to enter scenes of disaster, riot or civil disturbance. Properly identified members of the news media should not be restricted from entering locations specified within the code. However, this does not include crime scenes, private property and does not imply that the news media may interfere with incident operations while they are in the areas of concern. Scan the QR-



409.5

PHOTOGRAPHS AND VIDEOS OF INCIDENT – We are in a new era of media. Media no longer means news/broadcast industry, but now refers to anyone that has the capability to shoot video, photographs and post them onto social media sites in a matter of minutes. Unfortunately, we have seen some instances of photographs or videos that have depicted unsafe, unprofessional or embarrassing circumstances which are a serious breach of ethics. When this happens, it reflects poorly on all that are attached to this incident. Posting an inappropriate video, photo or blog comment could expose oneself to unwanted ramifications. It may be unsafe to shoot photos or video and a firefighter who is concentrating on a camera loses their situational awareness.

The Public Information Office would like copies of the video and pictures that you safely took while not in an emergency situation, fire suppression activity or in an overhead assignment. Bring your video and pictures to the Public Information trailer; they will be reviewed and possibly uploaded to our many CAL FIRE social media sites. Remember, we don't want photographs or videos that depict unsafe, unprofessional or embarrassing circumstances, which are a serious breach of ethics.

LOST AND FOUND – The Information Section will manage lost and found items for the incident. If you have lost an item please leave your contact information and what you have lost at the Information Section. If you have found an item on the incident, bring the item to the Fire Station 126 in Santa Clarita with your contact information.

The mission of the Los Angeles County Fire Department is to protect lives, the environment, and property by providing prompt, skillful, and cost-effective fire protection and life safety services

Rye Fire
CA-LAC-362441
Fire Suppression Repair Plan

December 7, 2017

The following repair actions will be conducted on dozer lines, hand lines, access roads, watercourse crossings and fences identified by the suppression repair specialist. The following repair activities have been designed to restore fences to their original condition, reduce potential erosion, maintain existing road systems and avoid significant adverse impacts to wildlife and watershed resources.

General:

- Repair fences damaged resulting from fire suppression activities.
- Remove berms and barriers created by the fire control access.
- Note and advise Logistics of all litter drops.
- Report any damages or needs to the ICP, Suppression Repair Unit Leader.

Staging Areas / Safety Zones:

- New Construction: cross drain and abandon (if applicable).
- Existing: Repair to original condition, remove debris resulting from use.

Roads:

- Install waterbars where waterbars previously existed.
- Install new waterbars where needed.
- Install or maintain rolling dips where a rolling dip previously existed.
- Re-establish existing berms 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 as necessary.
- Water roads for dust abatement.

Hand Lines and Dozer Lines

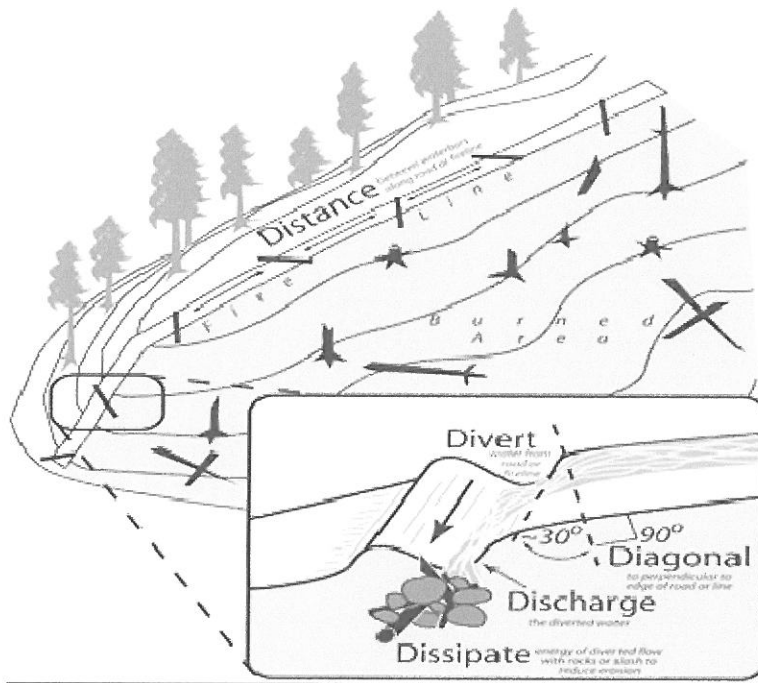
- Install waterbars as described in the guidelines below. Waterbars are designed to Intercept, slow and spread precipitation run-off to reduce sediment transport and soil erosion. The intent is to move water off the fireline before it can build up enough energy to erode and transport sediment.

Waterbar Guidelines:

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:

| <u>Slope</u> | <u>0-25</u> | <u>26-50</u> | <u>>50</u> |
|--------------|-------------|--------------|---------------|
| Hand Line | 100' | 75' | 50' |
| Dozer Line | 100' | 75' | 50' |
| Road | 150' | 75' | 50' |

All waterbreaks should be installed diagonally with a minimum cut of 6" into existing grade, and minimum height of 18". Waterbreaks shall be installed at all watercourse crossings. Waterbreaks shall be constructed to allow for drainage at the discharge end into non-erodible material.



Fences and Gates:

- Fences that were cut during fireline construction should be closed-up to prevent loss of livestock. In most cases, a few pieces of wire can provide temporary closure. Gates should be closed and relocked if possible to prevent trespassing. If gates have been damaged by heavy equipment and can't be repaired with field and available materials a report of damage should be prepared.

Watercourses:

- All slash, soil, and debris deposited into watercourses resulting from fire suppression activities shall be removed and stabilized.
- Major watercourse damage, if present shall be reported to the Suppression Repair Unit Leader.
- Where fire lines are constructed within 100' of running watercourses, straw or mulching will be conducted. All loose soil must be pulled away from the watercourse and stabilized.

Slash piles

- Piles within 150' of permanent structures or public roads will be lopped and/or scattered within 18" of soil surface.
- Piles outside the 150' fire safe zone shall be retained for wildlife cover.

Archaeological or Historic Sites (if discovered):

- All potential sites shall be 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 if there is no threat of fire spread, and the Division/Group Supervisor shall be notified.

