

Incident Action Plan

Foss Lake Fire

Wednesday, May 25, 2016

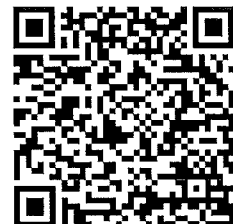


Financial Codes


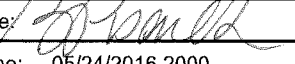
Federal: P9J883 (0909)

MN State: Speedchart R29323132N

CC2 13125



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:		2. Operational Period: DAY	
FOSS LAKE FIRE		Date/Time From: 05/25/2016 0700	Date/Time To: 05/25/2016 2000 WED
3. Objective(s):			
<p>1) Life first. The safety of firefighters, aviators, and the public is our primary concern and priority.</p> <p>2) Consider the safety of the public and ensure that all operations are conducted with the least firefighter exposure necessary to meet the incident objectives.</p> <p>3) The primary management objective is to protect remote residences on the west side of Burntside Lake that have a high probability of success and can be safely defended or proactively protected.</p> <p>4) Utilize natural barriers and management tactics appropriate for resource and wilderness character and values.</p> <p>5) Maintain communication with MIFC, EACC, the St. Louis County Sheriff's office, Fire Chiefs from Morse and Eagles Nest, and the Police Chief from Ely as well as officials and other partners and cooperators within the impacted fire area.</p> <p>6) Assume responsibility for any initial response within the Temporary Flight Restriction for the fire.</p> <p>7) Accept additional extended attack fires as negotiated with the Agency Representative.</p> <p>8) Insure all costs are commensurate with personnel, public safety, and values to be protected and document cost containment actions.</p> <p>9) Foster an atmosphere free of discrimination, sexual harassment, and other forms of inappropriate behavior. All personnel on the incident will maintain the highest standard of professional ethics and conduct.</p>			
4. Operational Period Command Emphasis:			
Continue patrolling and monitoring fire lines. Remove non-essential equipment. Maintain escape routes and safety zones. Be aware of your golden hour exit plan.			
General Situational Awareness:			
Rough terrain. Watch for slippery conditions with continued showers in the forecast.			
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):			
<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 207	Other Attachments:	
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> <u>PHONE LIST</u>	
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> <u>SAFETY MESSAGE 215A</u>	
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart	<input checked="" type="checkbox"/> <u>MAP</u>	
<input type="checkbox"/> ICS 205A	<input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	<input checked="" type="checkbox"/> <u>UNIT LOG ICS 214</u>	
<input checked="" type="checkbox"/> ICS 206			
7. Prepared by: BRAD WITKIN		Position/Title: RESOURCE UNIT LEADER	Signature: 
8. Approved by Incident Commander:		Name: BRIAN PISAREK	Signature: 
ICS 202		IAP Page	Date/Time: 05/24/2016 2000



INCIDENT Weather Forecast



FORECAST NO: 4
PREDICTION FOR: Wednesday Day Shift

NAME OF FIRE: Foss Lake Wildfire
UNIT: Superior National Forest

SHIFT DATE: 25 May 2016

SIGNED: Shawn Jacobs (Incident Meteorologist)

TIME AND DATE FORECAST ISSUED: 1800 24 May 2016

WEATHER DISCUSSION: Shower and thunderstorm chances increase in the late afternoon today...with widespread wetting rains possible into the overnight. Additional precipitation chances linger into the holiday weekend...with the possibility of thunder each day. Winds will increase noticeably today...with peak gusts of 20 mph from the east southeast expected by early afternoon...but temperatures should be cooler with higher relative humidity.

Today (Wednesday 25 May 2016):

WEATHER: Patchy fog in the morning...then partly cloudy by noon...Increasing clouds and a 20% chance of thundershowers in the afternoon.

MAX TEMPERATURES: 66-70°

24 Hour Trend: Down 5-7°

MIN HUMIDITY: 42-50%

24 Hour Trend: up 4-8%

20 FT WINDS: Becoming east southeast 8-12 gust 20 mph in the afternoon.

Wave forecast: Moderate chop with the potential of whitecaps during the afternoon.

HAINES INDEX: 5

CWR: 10%

LAL: 4 late afternoon

Precipitation: 0.10"

STABILITY/INVERSION: Shallow surface inversion lifting by mid-morning.

Tonight (Wednesday Night 25 May 2016):

WEATHER: Mostly cloudy...60% chance of showers and thunderstorms from 6pm to 6am...areas of fog near dawn

MIN TEMPERATURES: 50-53°

HUMIDITY: Overnight recovery (>90%)

20 FT WINDS: Southeast 6-9 mph...gusts to 12 mph. Gusty erratic winds in thunderstorms.

HAINES INDEX: 3

CWR: 50% until midnight...thereafter 20%

Precipitation: 0.25" (locally 0.50+" in heavy thunderstorms)

LAL: 4

STABILITY/INVERSION: Shallow inversion developing after midnight.

Tomorrow (Thursday 26 May 2016):

WEATHER: Mostly cloudy...40% chance of showers and thunderstorms.

MAX TEMPERATURES: 73-76°

MIN HUMIDITY: 40-45%

20 FT WINDS: South 6-9 with gusts to 12 mph. Gusty erratic winds in thunderstorms.

HAINES INDEX: 4


CWR: 10%

LAL: 4

Extended Forecast: Friday: Partly cloudy...20% chance of showers and thunderstorms...highs in the mid 70s...winds from the south at 5-10 mph

Climate is what we expect...weather is what we get. -Mark Twain

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 05	TYPE OF FIRE: Wildfire
FIRE NAME: Foss Lake Fire	OPERATIONAL PERIOD: Day Shift 5/25/2016
DATE ISSUED: 5/24/2016	TIME ISSUED: 2000
UNIT: Superior National Forest	SIGNED: Bruce Giersdorf, FBAN 

WEATHER SUMMARY:

Instability continues as the main feature for the remainder of the week.

Thunderstorms are possible in the afternoon. Light precip is likely with these storms as is some lightning.

Fire Behavior:

GENERAL:

Recent precip and higher humidity will result in minimal fire activity.

Gusty and erratic winds are possible with a stray thunderstorm along with the possibility of lightning.

Holdover fire will still be out there, so stay strong in your mop up efforts.

Any new starts will have low to moderately low spread and intensity and should be easy to contain.

ROS – Surface fire spread in timber = 2 to 4 ch/hr

FL -- 1 to 5 ft.

PIG – < 50%

Problem Wx Thresh holds: Temp – 78

RH – < 25%

Wind – 10+ mph


The recent rainfall and subsequent increase in RH to 40% and above, greatly decreases fire activity.

Problem thresholds will not be met.

AIR OPERATIONS: No issues except for the possibility of T-storms in the afternoon.

SAFETY: Stay focused on the mission and plan for the unexpected.....

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: DAY	
FOSS LAKE FIRE		Date/Time From: 05/25/2016 0700	Date/Time To: 05/25/2016 2000 WED
3. Incident Commander(s) and Command Staff:		FOOD UNIT	
IC/UC	BRIAN PISAREK RUSS LANGFORD (T)	7. Operations Section:	
DEPUTY		DAY OPS SECTION CHIEF	BRIAN JENKINS
SAFETY OFFICER	RON GUCK DOUG MIEDTKE	NIGHT OPS SECTION CHIEF	
INFORMATION OFFICER	JEAN GOAD REBECCA MANLOVE	PLANNING OPS OPS SECTION CHIEF	GREG VOLLHABER TOM FASTELAND (T)
LIAISON OFFICER	JOHN EHRET	DEPUTY OPS SECTION CHIEF	
4. Agency/Organization Representative(s):		STAGING AREA	
Agency/Organization	Name		
SUPERIOR NATIONAL FOREST, LACROIX DISTRICT	ANDREW JOHNSON, LACROIX DISTRICT	DIVISION/GROUP A	DAN PAULSON ADAM COOK (T)
	DOUGLAS SMITH, KAWISHIWI DISTRICT	DIVISION/GROUP B/Y	TOM LYNCH DAN OBERG (T)
5. Planning Section:		DIVISION/GROUP Z	RICHARD WITZKE
CHIEF	JON DRIMEL	7b. Air Operations Branch:	
DEPUTY		AIR OPS BRANCH DIRECTOR	
RESOURCES UNIT	BRAD WITKIN	AIR ATTACK SUPERVISOR	
SITUATION UNIT	JON HANDRICK NICOLE SELMER (T)	AIR SUPPORT SUPERVISOR	
DOCUMENTATION UNIT		HELICOPTER COORDINATOR	
DEMOBILIZATION UNIT	BRAD WITKIN	STRUCTURE PROTECTION GROUP	
FIRE BEHAVIOR ANALYST	BRUCE GIERSDORF	AIR OPS BRANCH DIRECTOR	JANE LOPEZ, DUSTIN NELSON (T)
HUMAN RESOURCE SPECIALIST		AIR TANKER COORDINATOR	
TRAINING SPECIALIST		8. Finance/Administration Section:	
GIS SPECIALIST	KATHERINE ROSSMAN (T) STEPHEN HAFVENSTEIN (T)	CHIEF	LARRY HIMANGA
COMPUTER SPECIALIST	SHELLY CARROLL JOE JOHNSON (T)	DEPUTY	NANCY CALDER (T)
INCIDENT METEOROLOGIST	SHAWN JACOBS	TIME UNIT	DONNA EDELMAN (T)
6. Logistics Section:		PROCUREMENT UNIT	
CHIEF	BILL LAUER ADAM FISHER (T)	COMPENSATION UNIT	
DEPUTY		COST UNIT	JOHN KELLY
SUPPLY UNIT	DENNIS CAMERON		
FACILITIES UNIT	ROBERT NELSON		
GROUND SUPPORT UNIT	KEVIN CARLISLE		
COMMUNICATIONS UNIT	DANA CARLSON		
MEDICAL UNIT	JOHN BAJDA		
SECURITY UNIT	CHRIS JOHNSON		
9. Prepared By:	Name: BRAD WITKIN	Position/Title: RESOURCE UNIT LEADER	Signature:
ICS 203	IAP Page	Date/Time: 05/24/2016 1530	

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
FOSS LAKE FIRE			Branch:		Division/Group:	
2. Operational Period: DAY					A	
Date/Time From: 05/25/2016 0700 WED		Date/Time To: 05/25/2016 2000 WED				
4. Operations Personnel						
OPERATIONS CHIEF		BRIAN JENKINS GREG VOLLHABER		BRANCH DIRECTOR		
DIVISION/GROUP SUPERVISOR		DAN PAULSON ADAM COOK (T)		AIR ATTACK SUPERVISOR		
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
C-6 - T2IA - BEARTOWN 3		06/02	CHARLES GAUTHIER 906-395-1766	18	H-1/0800	ICP/2000
C-7 - T2IA - BAY MILLS #1		06/05	JOE CARRICK 906-322-3001	19	H-1/0800	ICP/2000
C15- T1 - RUBY MOUNTAIN IHC		06/05	TROY THOMAS 775-934-0843	20	H-1/0800	ICP/2000
O-25 EMTF		06/04	JOHANNA HYDE 218-343-7491	1	H-1/0800	ICP/2000
O-46 BTOP		06/04	STEVE SCHULTZ 218-290-9208	1	H-1/0800	ICP/2000
6. Control Operations/Work Assignments:						
Grid and mop 100' interior.						
Fell trees holding fire or posing a danger to line personnel up to 1 1/2 tree lengths from the line.						
Begin rehab per guidelines.						
7. Special Instructions:						
When receiving sling-loads, back haul empty cubies, fuel cans and trash.						
Pick up all trash on the line and pull all flagging.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
TACTICAL	KING 3	168.6000	136.5	168.6000	136.5	N
AIR TO GROUND	KING 9	166.6750	136.5	166.6750	136.5	N
COMMAND RPTR	KING 12	166.6125	136.5	168.4000	136.5	N
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
BRAD WITKIN			JON DRIMEL		05/24/2016	2000

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
FOSS LAKE FIRE			Branch:		Division/Group: B / Y	
2. Operational Period: DAY						
Date/Time From: 05/25/2016 0700 WED		Date/Time To: 05/25/2016 2000 WED				
4. Operations Personnel						
OPERATIONS CHIEF		BRIAN JENKINS GREG VOLLHABER		BRANCH DIRECTOR		
DIVISION/GROUP SUPERVISOR		TOM LYNCH DAN OBERG (T)		AIR ATTACK SUPERVISOR		
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
CREW - T1 - LOGAN IHC		06/05	ROY FETZER 435-770-4303	21	VAN VEK LANDING/0800	SPIKE CAMP CRAB LAKE/2000
CREW - T1 - WYOMING IHC		06/04	MATT PRENTISS 970-237- 0745	20	SPIKE CAMP CRAB LAKE/0800	SPIKE CAMP CRAB LAKE/2000
READ			MACHO / BLODGETT	2	SPIKE CAMP CRAB LAKE/0800	SPIKE CAMP CRAB LAKE/2000
6. Control Operations/Work Assignments:						
Grid and mop 100' interior.						
Fell trees holding fire or posing a danger to line personnel up to 1 1/2 tree lengths from the line.						
Begin rehab per guidelines.						
7. Special Instructions:						
Spiked resources: In case of after hours emergency, contact Foss Lake communications via radio.						
Saw operations should cease by 2000 due to inoperability of aircraft past 2100.						
When receiving sling loads, back haul empty cubies, fuel cans, and trash.						
Pick up all trash on the line and pull all flagging.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
TACTICAL	KING 5	166.7750	136.5	166.7750	136.5	N
AIR TO GROUND	KING 9	166.6750	136.5	166.6750	136.5	N
COMMAND	12	166.6125	136.5	168.4000	136.5	
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
BRAD WITKIN			JON DRIMEL		05/24/2016	2000

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
FOSS LAKE FIRE			Branch:	Division/Group: Z		
2. Operational Period: DAY						
Date/Time From:	Date/Time To:					
05/25/2016 0700 WED	05/25/2016 2000 WED					
4. Operations Personnel						
OPERATIONS CHIEF	BRIAN JENKINS GREG VOLLHABER	BRANCH DIRECTOR				
DIVISION/GROUP SUPERVISOR	RICHARD WITZKE 231-920-7513	AIR ATTACK SUPERVISOR				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
CREW - T1 - CRAIG IHC	06/04	SHAWN CAREY 970-879-4073	20	SPIKE CAMP CLARK LAKE/0800	ICP/2000	
6. Control Operations/Work Assignments:						
Grid and mop 100' interior.						
Fell trees holding fire or posing a danger to line personnel up to 1 1/2 tree lengths from the line.						
Begin rehab per guidelines.						
7. Special Instructions:						
When receiving sling loads, back haul empty cubies, fuel cans, and trash.						
Pick up all trash on the line and pull all flagging.						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
TACTICAL	4	166.7250	136.5	166.7250	136.5	
AIR TO GROUND	9	166.6750	136.5	166.6750	136.5	
COMMAND	12	166.6125	136.5	168.4000	136.5	
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
BRAD WITKIN		JON DRIMEL		05/24/2016	2000	

Foss Lake Fire - LaCroix Ranger District

Mop-up and Rehabilitation Turn Back Standards.

This plan specifies mop-up standards and rehabilitation needs within the Foss Lake Fire. Updates may be necessary to the plan as more information from the fire line is gathered.

Mop-up and Turn Back Standards

A general 100 foot mop up distance from the edge of the fire is requested. This can be changed to an appropriate distance if the Division Supervisor decides something different is adequate or needed. **Snagging** will generally be 1 1/2 tree lengths from the line of any tree suspected of holding fire and or a danger to persons on the line. This again can be changed if Division Supervisors deems so. The objective of these mop-up standards are as follows:

- Fire to not escape the current containment lines in the future
- Minimize exposure to hazardous situations while accomplishing mop up and rehabilitation work.

Equipment and Supplies: Remove all pumps, hose and fire-fighting equipment from the fire and return to the Cache and/or appropriate locations.

Mapping: Complete a final perimeter map including but not limited to, access routes, safety zones, campsites, helipots, trails, known spot fires and estimates of fire severity. Provide the shapefiles used to generate the map.

Road repair: Schedule a blading of the Wolf Creek Road as well as repair of large potholes with gravel and other appropriate measures.

Wilderness Rehabilitation

This plan lists rehabilitation actions needed to repair surface resource impacts and to minimize the visual impacts of our activities on National Forest System lands inside the wilderness. Rehabilitation efforts by crews will be limited to those activities associated with suppression activities.

Rehabilitation for this fire is tied to wilderness designation and its related restrictions. Once the fire is considered "Controlled", the urgency will be gone and mechanized equipment restrictions (if lifted) will once more be in effect. With this in mind, suppression actions should be mitigated as soon after they happen to reduce rehab needs.

General Direction: Both general and specific rehab directions are addressed for hand line, heli-spots, control lines, portage trails, and campsite impacts. Consider the presence of heritage resources in all earth disturbing activities and document locations if found.

When suppression activities are wrapping up or are completed, use techniques identified in your Incident Response Pocket Guide or Superior National Forest MIST Handbook to minimize the visual impacts caused by use of the area as a fire line, access route, campsite, heli-spot or drop point.

All activities should be completed under the direction of the Resource Advisors, the Division Supervisor and Crew Boss. Crews should be provided, whenever possible, with site by site, written instructions for their rehab mission on campsites.

Wilderness Campsites:

- Any campsite utilized by crews should be restored to pre-fire conditions. This should include the re-digging of the pit toilet if that crew contributed to its almost full or full capacity.
- The Resource Advisor should be consulted to determine the location of the new toilet hole and will mark its location. New latrines need to be located at least 150 feet from any lake or stream.
- Off-site campsites should be restored and naturalized as directed by the Resource Advisor. Latrines will need to be removed and holes buried and covered up. Access trails need to be obliterated.

Fire lines, control lines, and trails established for escape routes:

- Pull all ribbon and dispose of properly.
- Flush cut stumps that are within visual site of portage trails or lakeshore and naturalize their appearance.
- Along shorelines in particular, do the very best job you can to minimize the visual impacts of that line from the water's edge.
- On lakeshore and trails rub visible cut surfaces with soil to camouflage their appearance.

Portage Trails:

- Where suppression activities occurred along portage trails, remove any sign of firefighter impacts.
- If erosion control devices and water bars were impacted by the fire suppression activities, make an effort to restore those water bars as soon as possible. Consider using rock instead of wood if available.

Facilities: (Heli-spots and Drop Points)

- Refer to techniques identified in MIST handbook or Pocket Guide for restoration of Helispots and Drop points.
- H-3 will be retained

AIR OPERATIONS SUMMARY

PREPARED BY: Dustin Nelson ASGS (T)

PREPARED DATE/TIME: 5/24/2016 1915

1. INCIDENT NAME: **Foss Lake Fire** 2. OPERATIONAL PERIOD DATE: **5/25/2016** START **0900** STOP **2000** 3. Ely Sunrise: **0518**
 Ely Sunset: **2052**

4. REMARKS
 Helicopter requests to be ordered by DIVS, through Ely Helibase on Command Repeater, or through Air Attack if over Incident.
 Logistical supply requests go to ICP Communications
 ELY Helibase aircraft flight ready by 09:00
 Other statewide aircraft are available for use through Air Desk.
 ELY Tanker Base Phone 218-365-4831

5. TFR: Radius: <u>5</u> NM	6. PERSONNEL	7. FREQUENCIES	8. FIXED-WING	# Avail / Type / Make-Model / FAA N# / Base(s)
Altitude: <u>5000</u> MSL TFR Frequency <u>118.550</u> Center Point: Lat: <u>47 55.46'</u> Long: <u>92 05.19'</u>	Phone	AM	FM	
		Primary A/A, Incident Flight <u>118.550</u> Following & TFR :		Airtankers Order by ATGS through MIFC Air Desk
	ASGS: Jane Lopez	Secondary AIR/AIR :		
	ASGS (T): Dustin Nelson	Primary Air to Ground: RX & TX Same	166.6750 tone 136.5	As needed
	ATGS:	Secondary Air to Ground: RX & TX Same	169.1500 tone 136.5	
	Helibase:	Command 4 Rptr Tone 136.5 Rx & Tx	166.6125Rx 168.4000 Tx	ATGS Aircraft Order through ASGS to MIFC Air Desk
	HEBM:	RAMP/DECK:	163.100	
		TOLC:		Other

9. HELICOPTERS (Use Additional Sheets As Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
7MC	III	Bell 407	ELO	0900		Assigned							

10. TASK/MISSION/ASSIGNMENT (Use ICS-220a if additional space needed; Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applic) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Recon		As requested		
Cargo		As requested		

Just 576 5/24/2016

INCIDENT RADIO COMMUNICATIONS PLAN		1. Incident Name Foss Lake Fire	2. Date Time Prepared 5/24/2016 1830	3. Operational Period Date/Time 5/25/2016 0700 - 2000
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4. Basic Radio Channel Utilization								
Mode: W= Wideband, N= Narrowband, D= Digital, M= Mixed								
Radio Type	CH #	Function	Frequency	Tone/NAC	Mode	TGID	Assignment	Remarks
King	1		RX: TX:		N		unassigned	
King	2		RX: TX:		N		unassigned	
King	3	Tac 3	TX: 168.6000 TX: 168.6000	136.5 136.5	N		Div A	
King	4	Tac 4	RX: 166.7250 TX: 166.7250	136.5 136.5	N		Div Z	
King	5	Tac 5	RX: 166.7750 TX: 166.7750	136.5 136.5	N		Div Y/B	
King	6		RX: TX:		N		unassigned	
King	7	NOAA	RX: 162.5000 TX:		W		Ely weather radio	
King	8	SUF A/G 1	RX: 168.1250 TX: 168.1250		N		unassigned	local Initial Attack Air/Ground
King	9	A/G 1	RX: 166.6750 TX: 166.6750	136.5 136.5	N		Primary Air to Ground	All divisions
King	10	A/G 2	RX: 169.1500 TX: 169.1500	136.5 136.5	N		Secondary Air to Ground	All divisions
King	11		RX: TX:		N		unassigned	
King	12	Command 4 Repeater	RX: 166.6125 TX: 168.4000	136.5 136.5	N		Command repeater - fire area	Linked to S-1 repeater
King	13	S-1 Repeater	RX: 171.4750 TX: 172.3750		N		Command repeater- ICP area	Linked to Cmd 4 repeater
King	14	SUF Simplex	RX: 170.5250 TX: 170.5250		N		unassigned	
King	15	SUF Fernberg Repeater	RX: 170.5250 TX: 164.1375	100.0	N		backup command	Local agency repeater
King	16	Air Guard	RX: 168.6250 TX: 168.6250	110.9	N		Emergency contact with aircraft	

5. Prepared by (Communications Unit) *Dana Carlson COMIL*

Note: This is not a standard NWCG ICS205 Form

Foss Lake Fire Phone List

Cell

Incident Commander		Brian Pisarek	218-838-0102	
Incident Commander (t)		Russ Langford	763-244-9844	
Safety Officer		Ron Guck	218-290-5238	
		Doug Miedtke	218-910-5222	
Information Officer		Jean Goad	218-259-0929	218-365-2216
		Becca Manlove	218-235-1984	
Liasion Officer		John Ehret	651-248-5249	
Plans Chief		Jon Drimel	218-308-3162	
Resource Unit Leader		Brad Witkin	218-820-6122	
Situation Unit Leader		Jon Handrick	218-324-1450	
Status Check-In		Linda Merriman	218-343-0358	
Fire Behavior		Bruce Giersdorf	218-259-3014	
ITSS		Shelly Carroll	218-290-9056	
		Joe Johnson (t)	636-234-7760	
GISS		Tom McCann	218-370-9147	
		Katie Rossman (t)	218-368-4239	
IMET		Shawn Jacobs	308-539-0615	
Logistics Chief		William Lauer	218-244-9763	
		Adam Fisher (t)	218-290-3062	
Ordering Manager		Tom Piper	727-514-5513	218-365-3120
		Michelle Hansen (t)	651-336-1010	218-365-3742 fax
Facilities Unit Leader		Robert Nelson	763-291-5441	
Ground Support Unit		Kevin Carlisle	218-244-9912	
Supply Unit Leader		Dennis Cameron	218-242-9195	
Communications Unit		Dana Carlson	218-434-0716	218-365-4357
Medical Unit		John Bajda	218-340-0169	
Finance Section Chief		Larry Himanga	651-724-7242	
Deputy Finance		Nancy Calder	218-242-3778	
Time Unit		Donna Edelman	218-255-2733	
Cost Unit		John Kelly	507-202-5409	
Operations Section Chief		Brian Jenkins	218-244-1764	
		Greg Vollhaber	218-368-9700	
		Tom Fasteland	218-259-4904	
Air Ops Branch Director		Jane Lopez	970-217-4101	
		Dustin Nelson	218-969-9217	
Division Supervisor	A	Dan Paulson	515-423-4303	
	B/Y	Tom Lynch	218-370-8765	
	B/Y	Dan Oberg	763-232-1103	
	A	Adam Cook	218-507-0740	
	Z	Richard Witzke	231-920-7513	

MEDICAL PLAN	1. Incident Name Foss Lake Fire	2. Date Prepared 05/24/2016	3. Time Prepared 18:30	4. Operational Period 5/25/16 - 0700-2200
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5. Incident Medical Aid Station

Medical Aid Stations	Location	Paramedics Yes No
MEDICAL UNIT	ICP 218-340-0169	X
EMT Hyde	Div. A 218-343-7491 (cell phone contact)	X

6. Transportation

A. Ambulance Services

Name	Address	Phone	Paramedics Yes No
Ely Area Ambulance	328 Conan St W Ely, MN	911 218-750-7800	X
Life Link III Helicopter	Hibbing	911 1-800-328-1377	X

B. Incident Ambulances

Name	Location	Paramedics Yes No
(none)		

7. Hospitals

Name	Address	Travel Time		Phone	Helipad		Burn Center	
		Air	Ground		Yes	No	Yes	No
Ely Bloomenson Community Hosp.	328 Conan St W Ely, MN 55731	5 min	10 min	218-365-3271	X			X
Virginia Regional Medical Center	901 N9th Ave Virginia, Mn	30 min	1 hr	218-741-3340	X			X
St. Luke's Hospital Regional Trauma Center	915 East 1 st St Duluth, Mn	45 min	2 hr	218-726-5555	X			X
St. Mary's Medical Center	497 East 3 rd St Duluth, Mn	45 min	2 hr	218-726-4000	X			X
Regions Hospital Burn Center	640 Jackson St St. Paul, Mn	2 hr	6 hr	(800) 221-2810	X		X	
HCMC Burn Center	701 Park Ave., Minneapolis, Mn	2 hr	6 hr	(612) 873-2915	X		X	

8. Emergency Procedures

In the event of a medical emergency, the first person on scene should contact their immediate supervisor. Supervisor or designated Point of Contact provides the following information to the Communications Unit:

- o Declare the nature of the emergency (medical illness or injury) and if it is life threatening,
DO NOT TRANSMIT NAME OF PATIENT
- o If life threatening, request Command frequency to be cleared for emergency traffic only;
- o Identify the on-scene Point of Contact (POC) by Resource and Last name (i.e. POC is FLD Smith);
- o Identify nature of incident – Number injured, patient assessments, and location (geographic and GPS coordinates)
- o Identify on-scene medical personnel by position and name (i.e. EMT Jones),
MOST MEDICALLY QUALIFIED PERSON TAKES CHARGE OF MEDICAL CARE.
- o Identify preferred method of transport (see Medical Incident Report on next page)
- o Request additional resources and/or equipment as needed;
- o Identify any changes in POC or on-scene medical personnel as they occur.
- o COM needs to document all transmissions sent and received.
- o

Review IRPG 9 Line Medical procedures with your crews at beginning of each shift.

Identify any Qualified EMT's or Paramedics with crews, and if they have medical equipment, pass on names to DIVS.

9. Prepared by (Medical Unit Leader) John Bajda, MEDL <i>John Bajda</i>	10. Reviewed by (Safety Officer) Ron Guck, SOF2 <i>Ron Guck</i> 5/24/16
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Medical Incident Report

FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

Use items one through nine to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS/DISPATCH

Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS: Provide incident summary and command structure.

Nature of Injury/Illness		<i>Describe the injury (Ex: Broken leg with bleeding)</i>
Incident Name		<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>
Incident Commander		<i>Name of IC</i>
Patient Care		<i>Name of Care Provider (Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.

Number of Patients:	Male / Female	Age:	Weight:
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Mechanism of Injury: <i>What caused the injury?</i>			
Lat/Long (Datum WGS84) <i>Ex: N 40° 42.45' x W 123° 03.24'</i>			

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED Life threatening injury or illness. <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° - 3° burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW Serious Injury or illness. <i>Ex: Significant trauma, not able to walk, 2° - 3° burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be DELAYED.
<input type="checkbox"/> ROUTINE-GREEN Not a life threatening Injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered Routine of Convenience.

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

<input type="checkbox"/> Helispot	<input type="checkbox"/> Short-haul/Hoist	<input type="checkbox"/> Life Flight	<input type="checkbox"/> Other
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Ground Transport:

<input type="checkbox"/> Self-Extract	<input type="checkbox"/> Carry-Out	<input type="checkbox"/> Ambulance	<input type="checkbox"/> Other
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6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

<input type="checkbox"/> Paramedic/EMT(s)	<input type="checkbox"/> Crew(s)	<input type="checkbox"/> SKED/Backboard/C-Collar
<input type="checkbox"/> Burn Sheet(s)	<input type="checkbox"/> Oxygen	<input type="checkbox"/> Trauma Bag
<input type="checkbox"/> Medication(s)	<input type="checkbox"/> IV/Fluid(s)	<input type="checkbox"/> Cardiac Monitor/AED
<input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter)		

7. COMMUNICATIONS:

Function	Channel Name/Number	Receive (Rx)	Tone/NAC *	Transmit (Tx)	Tone/NAC *
<i>Ex: Command</i>	<i>Forest Rpt, Ch. 2</i>	<i>168.3250</i>	<i>110.9</i>	<i>171.4325</i>	<i>110.9</i>
COMMAND					
AIR-TO-GRND					
TACTICAL					

*(NAC for digital radio system)

8. EVACUATION LOCATION:

Lat/Long (Datum WGS84) <i>EX: N 40 42.45' x W 123 03.24'</i>	
Patient's ETA to Evacuation Location:	
Helispot/Extraction Size and Hazards:	

9. CONTINGENCY:

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IT'S **TIME** TO SUBMIT FEDERAL TIME

FROM: Foss Lake Fire – Ely, Minnesota

Federal: P9J883

MN-SUF-000250

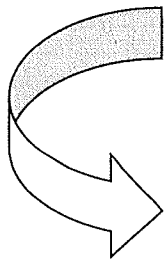
TO: FAX NUMBER: (_____) _____

ATTENTION: _____

Fax sent on DATE: _____

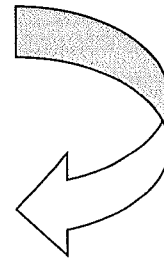
Actual Time for ORDER #/NAME : _____

If you are a federal employee and would like your time faxed on Friday (due to the Memorial Day Weekend), complete this form, submit your current CTR's and review your POSTED time by 2200 Thursday, May 26th. Please note: we are not able to submit unposted or projected time.



Safety Message

Safety Message

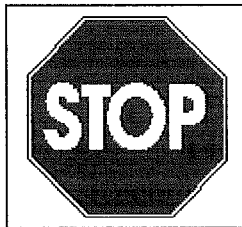


Incident: FOSS LAKE FIRE	Date: May 25, 2016	Shift: Day Shift
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THINK-----SAFETY-----FIRST

Recognize Potential Hazards Ahead of Time!

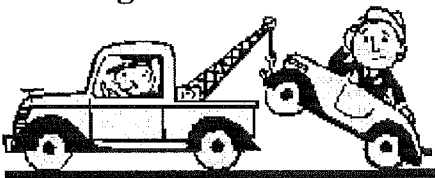
Step Back
Think
Organize
Proceed



The cornerstone of safety is to take time to assess the job and its environment. In order to encourage this principle, please consider using the "STOP" acronym to act as a reminder to pursue all jobs in a safe manner

All fire personnel and resources need to continue to utilize LCES, Ten Fire Orders, and the 18 Watch out Situations when engaging in all fire operations. Take care of personal health conditions. Seek medical care for any inflamed tick bites. Fire activity is slowing down and Mop Up and Rehab operations may lead to complacent attitudes. Stay alert and remember these hazards:

- Driving local roads and streets- Public traffic will now be present!



- Warmer Temps., higher RH, avoid dehydration, know the symptoms
- Footing, wet/slippery rocks and surfaces
- Snags!Snags!Snags!
- Stump holes and above ground tree roots
- Keep your head up and maintain your working distance
- Stay heads up and gather and maintain your *SITUATIONAL AWARENESS!*
- Water travel, windy conditions
- Spike Camp activities (sawing, cutting, chopping firewood)

Line Safety Officers	Safety Officer
All personnel assigned to the Incident	Doug Miedtke, Ron Guck

INCIDENT SAFETY ANALYSIS 215a

Foss Lake Fire - Tuesday, May 24, 2016

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
B, Y	Water travel	<ul style="list-style-type: none"> ~ Complete Water Safety Training before using boats and canoes ~ Use only qualified boat operators for motorized watercraft ~ Always wear PFDs ~ During high wind or waves, remain on land or if necessary travel near shore ~ Approach waves head-on or at a slight angle to avoid capsizing. ~ If you capsize, stay with the watercraft.
All	Driving & Traffic	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads and city streets. ~ Watch backing, use a spotter when available. ~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts). ~ Yield to pedestrians and bicycles. ~ Observe posted speed limits. ~ Use the 3 second rule for following distance when driving. ~ Avoid distractions (eating, cell phones, radio). ~ Ensure that windshields are kept clean of dust and bugs.
A, B, Y, Z	Rough, Difficult Terrain	<ul style="list-style-type: none"> ~ Identify/construct, flag and time escape routes and safety zones. ~ Identify safe routes and maintain 10 ft. spacing. ~ Wear proper fire boots in good condition to avoid slips and falls ~ Travel slowly and watch your step. ~ Be aware, Hard Vibram soles will easlily slip on wet, mossy rocks.
A,B,Y,Z	Snags, Blowdown timber	<ul style="list-style-type: none"> ~ Watch out for burned-out, shallow rooted trees. ~ Stay alert for strong winds, bug-kill, rot or shallow-rooted trees, air operations turbulence ~ Scout, identify and flag hazards, drop dangerous trees near the line ~ Do go/no go assessment prior to falling
All	Bees, Ticks, Mosquitoes	<ul style="list-style-type: none"> ~ Canvas crew members for those with known allergic reactions to stings. ~ Ensure crew members have medication pens if needed. ~ Perform daily self inspection for ticks. ~ Use repellent as necessary. ~ Don't be afraid to ask for medical assistance for embedded ticks.
A,B,Y,Z	Chain Saw Operations	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG page 22 ~ Look up, Look down, Look around for hazard tree indicators. ~ Only fell and buck trees within your expertise and training. ~ Follow "Procedural Felling Operations" on page 79 in IRPG. ~ Do not fall trees during high wind events. ~ Ensure proper use of all required PPE.
A, B, Y, Z	Severe Weather	<ul style="list-style-type: none"> ~ Review and follow Thunderstorm Safety guidelines in IRPG page 21. ~ Observe 30/30 Rule for lightning safety.....page 21, IRPG. ~ If you are on the water and see lightning, forget the 30-30 rule-get off the water right away, take shelter in a low spot and crouch on top of your lifejacket. ~ Carry rain gear and extra food and water if weather limits return to camp or ICP. ~ Pitch tents away from large, tall trees and tree roots if possible. ~While inside your tent, crouch on top of your sleeping pad until lightning passes.

Pro Sub 5072

INCIDENT SAFETY ANALYSIS 215a

All	Helicopter and Airtanker Operations	<ul style="list-style-type: none"> ~ Ensure clear air-ground communications ~ Stay clear of flight zones and drop areas. ~ Watch out for rotor wash or air tanker turbulence and potentially erratic fire behavior ~ Keep heads up for snags and hazard trees.
All	Fatigue & Over Exertion	<ul style="list-style-type: none"> ~ Drink 1 quart of water each hour during and after work. ~ Set a reasonable work pace and allow adequate rest breaks while on the project. ~ Use buddy system to monitor personnel for heat related and fatigue issues. ~ Follow work / rest guidelines.
A,B,Y,Z	Unburned Area/Reburn Potential	<ul style="list-style-type: none"> ~ Monitor weather. ~ Base actions upon observed and predicted fire behavior. ~ LCES Checklist (IRPG pg. 7). ~ Look Up, Down and Around (IRPG pg. 3-4). ~ Staff lookouts at identified vantage points. ~ Establish human repeater as necessary. ~ Flag, time, improve/construct escape routes and safety zones. Establish trigger points for disengagement/exit to safety zones.
A,B,Y,Z	Spotting and torching	<ul style="list-style-type: none"> ~ Watch for smoldering fires picking up over large areas, trees torching inside of fireline, high sustained rate of spread, well-developed convection column, hotter/drier than forecast. ~ Patrol for spots especially after torching; Grid green areas ~ Post lookouts
All	Heat Related Illness (HRI)& Dehydration	<ul style="list-style-type: none"> ~ Drink Fluids throughout operational period (6-8 qts/shift). ~ Maintain water/electrolyte ratio of 3 to 1. ~ Carry extra water on line and cache water at drop points. ~ Take Frequent breaks, minimum of 10 minutes every hour. ~ Recognize symptoms of HEAT RELATED ILLNESS which include. <ul style="list-style-type: none"> o Lack of energy o Headaches, dizziness o Lack of rest o No hunger, poor eating habits o Hot skin, and lack of sweating

Rick Seitz

Foss Lake
MN-SUF-000250
UTM NAD83 Zone 15 N
May 25, 2016

Legend

- () Division Break
- Drop Point
- Helispot
- Hot Spot
- ⚓ Sling Site
- ▬ Uncontrolled Fire Edge
- ▬ Completed Line
- ⚓ Campsite
- ▬ Roads
- ⋯ Trails
- ▭ BWCA Boundary based on the 1978 legislation

Type	Label	Longitude	Latitude
Helispot	H-1	92° 3.584'W	47° 53.513'N
Helispot	H-2	92° 4.774'W	47° 54.574'N
Helispot	H-3	92° 4.076'W	47° 55.594'N
Sling Site	SS 1	92° 3.782'W	47° 56.847'N
Sling Site	SS 2	92° 4.33'W	47° 55.51'N
Sling Site	SS 4	92° 4.875'W	47° 55.763'N
Sling Site	SS 5	92° 5.035'W	47° 55.488'N
Drop Point	DP-1	92° 4.761'W	47° 53.588'N
Drop Point	DP-10	91° 58.469'W	47° 55.214'N
Repeater	C4	92° 1.649'W	47° 53.435'N
Hot Spot	Hot Spot	92° 4.931'W	47° 55.239'N
Hot Spot	Hot Spot	92° 4.74'W	47° 55.805'N
Hot Spot	Hot Spot	92° 3.908'W	47° 55.303'N

