



SUF West Zone Complex Incident Action Plan

Operational Period

July 12, 2021

0700 – 1900

MN-SUF-000339

CC2 13146

P9N5C7 0909



ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: Date From: _____ Date To: _____ Time From: _____ Time To: _____	
3. Incident Commander(s) and Command Staff:		7. Operations Section:	
IC/UCs		Chief	
		Deputy	
Safety Officer		Staging Area	
Liason Officer		Branch	
Public Info. Officer		Branch Director	
		Deputy	
4. Agency/Organization Representatives:		Division/Group	
Agency/Organization	Name	Division/Group	
		Division/Group	
		Division/Group	
		Division/Group	
		Branch	
		Branch Director	
		Deputy	
5. Planning Section:		Division/Group	
Chief		Division/Group	
Deputy		Division/Group	
Resources Unit		Division/Group	
Situation Unit		Division/Group	
Documentation Unit		Branch	
Demobilization Unit		Branch Director	
Technical Specialists		Deputy	
		Division/Group	
		Division/Group	
		Division/Group	
6. Logistics Section:		Division/Group	
Chief		Division/Group	
Deputy		Air Operations Branch	
Support Branch		Air Ops Branch Dir.	
Director			
Supply Unit			
Facilities Unit		8. Finance/Administration Section:	
Ground Support Unit		Chief	
Service Branch		Deputy	
Director		Equip Time	
Communications Unit		Time Unit	
Medical Unit		Comp/Claims Unit	
Medical Unit Trainee		Cost Unit	
9. Prepared by: Name: _____ Position/Title: _____ Signature: _____			
ICS 203	IAP Page ____	Date/Time: _____	

Fire Weather Planning Forecast for NE Minnesota and NW Wisconsin
National Weather Service Duluth MN
338 PM CDT Sun Jul 11 2021

.DISCUSSION...

High pressure over the area this afternoon will move off to the northeast tonight and Monday. Dry and warm conditions will be the norm again for Monday and winds will turn and be from the south. Afternoon humidity values will range from around 25 percent in the Arrowhead to around 35 percent over southern portions of the Chequamegon-Nicolet National Forest. Highs will reach the low to middle 80s. A cool front will stall over northern Minnesota and northwest Wisconsin Tuesday night. A few showers and storms may percolate along the boundary from early Tuesday morning through Wednesday, with the greatest rain chances found Wednesday afternoon and evening.

MNZ012-121145-
Northern Lake/Northern Cook and Superior NF NE-
338 PM CDT Sun Jul 11 2021

.MONDAY...

Sky/weather.....Mostly sunny.
Max temperature.....77-85.
Min humidity.....22-32 percent.
20-foot winds.....South winds up to 7 mph with gusts to around 13
mph.
LAL.....1.
Haines index.....5 or moderate.
Hours of sun.....12 Hours.
Precipitation.....None.
Mixing height.....Around 5200 ft AGL (Ave 12-6 PM).
Transport winds.....South around 9 mph (Ave 12-6 PM).
Smoke dispersal.....Around 44000 or good (Ave 12-6 PM).

.MONDAY NIGHT...

Sky/weather.....Partly cloudy.
Min temperature.....51-60.
Max humidity.....70-83 percent.
20-foot winds.....South winds up to 7 mph with gusts to around 13
mph.
LAL.....1.
Precipitation.....None.

.MONDAY NIGHT...

Sky/weather.....Partly cloudy.
Min temperature.....51-60.
Max humidity.....70-83 percent.
20-foot winds.....South winds up to 7 mph with gusts to around 13
mph.
LAL.....1.
Precipitation.....None.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 1	TYPE OF FIRE: Wildfire
FIRE NAME: Delta Complex	OPERATIONAL PERIOD: Day Shift 7/12/21
DATE ISSUED: 7/11/2021	TIME ISSUED: 1600
UNIT: MN-SUF	SIGNED: <i>Mike Locke</i> - FBAN

WEATHER SUMMARY: High pressure will be nearby through Monday. Hazy skies are still expected as smoke from the Canadian wildfires will still be found. Temperatures will be warmer Monday and winds will be light and variable. The next chance of rain is Monday night, with additional chances through Thursday.
(Check Spot Weather forecast)

MONDAY...

Sunny. Max temperature-.77-87. Min humidity -31-45 percent. 20-foot winds - .South winds up to 7 mph with gusts to around 13 mph.

LAL.....1. Haines index.....5 or moderate. Hours of sun..... 12 Hours. Precipitation.....None.

Fuels:

Fine fuels where there has been some rain and overnight Rh recovery, along with live fuels, preclude easy ignition and quick spread. However, some live fuels are showing signs of drought stress. ERC values at record levels.

-Green grass and hardwoods are burning with a lot of smoke.

-1000 hr fuels and duff are very dry and cause difficult suppression and mop-up and potential for peat fire.

Fire Behavior: General

Fire Behavior: Rates of spread moderate, but fires will burn with intensity and heavy smoke.

Slash fuels extremely stubborn and difficult to extinguish and mop-up.

Very close to reaching "crossover". i.e temp (C) higher than Rh. Indicates potential critical fire behavior.

Could see torching in lowland black spruce.

SPECIFIC:

Ely Minnesota FFMC: 89.4 BUI: 132.38WS: 6.2 ISI: 10.1	Flame Length	Rate of Spread (ft/min ≈ ch/hr)	Fire Type	60 Minute Spread Size (acres)
Heavy Load Broadleaf Timber Litter - tl9	2-4	3-5	Surface	1-2
Heavy Load Blowdown - sb4	7-10	12-16	Surface	5-12
Young Jack Pine	5-7	17-23	Surface	15
Lowland Spruce	19	24-26	I-Torching	40
Hardwood/Aspen	3-4	4-5	Surface	1-2
Jack Pine Slash	7-9	5-7	Surface	3-4

Probability of ignition: 60% in receptive fuel bed

Spotting Distance from torching trees/jackpots: up to .1 mi. of the source

AIR OPERATIONS: Areas which had the highest particulate concentrations developed MVFR and IFR visibility before sunrise on Sunday. It's possible the additional particulate served as condensation nuclei to aid in fog development overnight. Think we will see a similar behavior at the terminals Sunday night, and with more of the area forecast to see higher particulate concentrations, have reintroduced VFR/MVFR visibility reductions at all sites. BRD and HIB have the best chance at a period of IFR visibility and have handled both with a TEMPO group for now.

SAFETY: Hot spots and burned out pits will be hidden in the heavy slash. Watch your step! Have clear paths to maneuver out of harms way.

INCIDENT RADIO COMMUNICATIONS PLAN			1. Incident Name		2. Date Time Prepared		3. Operational Period Date/Time		
			Delta Fire - Ely		7/11/2021 0:00		7/12/2021		
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	FS Tac 1	RX: 168.0500	open	n			Tac # 1	
			TX: 168.0500	open					
King	2	FS Tac 2	RX: 168.6000	open	n			Tac # 2	
			TX: 168.6000	open					
King	3	DNR Tac 1	RX: 151.4750	156.7	n			DNR Tac 1	
			TX: 151.4750	156.7					
King	4	DNR A/G 1	RX: 151.3400	110.9	n			DNR A/G 1	
			TX: 151.3400	110.9					
King	5	MNICS T2	RX: 170.4750	open	n			DNR TAC "3"	
			TX: 170.4750	open					
King	6	A/G PRIME	RX: 168.4000	open	n		Aircraft assigned for Delta Lake		
			TX: 168.4000	open					
King	7	A/G 19	RX: 168.1250	open	n				
			TX: 168.1250	open					
King	8	A/G 72	RX: 169.1500	open	n				
			TX: 169.1500	open					
King	9	V-MED 28	RX: 155.3400	156.7	n			MEDICAL/AMBULANCE	
			TX: 155.3400	156.7					
King	10	COMMAND RPT	RX: 171.4750	open	n		All personnel	ICP Cmd Rpt @ Fernberg	
			TX: 172.3750	open					
King	11	SUF NET	RX: 170.5250	open	n			Superior Forest Net	
			TX: 170.5250	open					
King	12	MEANDER *	RX: 170.5250	open	n			Meander Rpt. - Superior	
			TX: 164.1375	127.3					
King	13	FERNBERG W*	RX: 170.5250	open	n			Fernberg Rpt - Superior	
			TX: 164.1375	100					
King	14	SUF Tac 1	RX: 169.1250	open	n			Superior Tac 1	
			TX: 169.1250	open					
King	15	V-Law 31	RX: 155.4750	156.7	n		Law enforcement - all users	Statewide Law Frequency	
			TX: 155.4750	156.7					
King	16	Airguard	RX: 168.6250	open	n		Air emergency - all users	Aircraft Guard Frequency	
			TX: 168.6250	110.9					
5. Prepared by (Communications Unit)									
Pat Coughlin - Com/L									

Note: This is not a standard NWCG ICS205 Form

78ICS-206	1. Incident Name		2. Date Prepared	3. Time Prepared	4. Operational Period				
MEDICAL PLAN	Delta Fire		11 July 21	1500	12 July 21				
	Site EM								
Medical Aid Stations			Location			Paramedics			
					Yes	No			
Medical Unit			ICP – MEDL Terry O’Connor EMTF 218-368-8554 and MEDL-T Kate Batten EMTF 907-328-9318						
Incident EMTs	Kawishiwi Lodge		EMPF Matt Littler and EMTF Dave Johnson Helispot: N56.310 W9124.928			X			
Incident Ambulance	Kawishiwi Lodge		Ely Area Ambulance with two crew Director Geoff Galaski 218-235-7878			X			
	Transportation								
	Ambulance Services								
Name			Address		Phone		Paramedics		
							Yes	No	
Ely Area Ambulance			Ely, MN Geoff Galaski 218-235-7878				X		
			Air Medical						
LifeLink Helicopter			Hibbing 1-800-328-1377				X		
North Memorial Heli			Eveleth-Virginia 1-800-247-0229				X		
Name	Helipad Lat/Long			Travel Time		Helipad		Burn Center	
			Air	Grnd	Phone	Yes	No	Yes	No
Ely Bloomensen Hosp 328 W Conan St	N 47 53 57 W 91 52 23		10 Min.	90 Min.	218-365-8710	X			X
St Marys Medical Center-L1 407 E 3rd St, Duluth	N 46 47 37 W 92 05 51		45 Min.	210 Min.	218-751-5430	X			X
St Lukes Regional -L2 915 E 1st St, Duluth	N 46 47 91 W 92 05 20		45 Min	210 Min.	218-249-5616	X			X
Miller Dwan 7th Floor Burn Unit 502 E 2nd St, Duluth	N 46 47 37 W 92 05 51		45 Min	210 Min.	218-786-4670	X		X	
	Medical Incident Report- Pages 118,119 IRPG 2018								
	<p>Upon occurrence of a “Major Medical” or accident involving significant injury on or near the Incident, the closest EMT should respond directly to the scene to take control of the situation and direct necessary actions. If EMS is unavailable, the nearest supervisor or leader needs to take charge.</p> <p>1. Obtain and facilitate nearest EMT to the scene, request (911) EMS Response. On site IC is in charge of the scene. Identify to medical personnel on site. Use Medical Incident Report (8-line)</p> <p>2. Check nature of the problem, # of patients, status, vitals & location. Request additional Resources or Equipment if needed.</p> <p>3. Coordinate and facilitate appropriate transportation (Ground or Air) for injured with Medical Unit EMT in charge of patient(s).</p> <p>4. Remove all unnecessary personnel from the scene.</p> <p>5. Secure scene, identify witnesses for later investigation. Keep Documentation of All Information Received and Transmitted</p> <p>6. Inform Supervisor of <u>any</u> changes on scene for Point Of Contact. No Names used for Injured Personnel.</p> <p>7. Onsite EMS Personnel may provide Information regarding condition of Patient to Communication or ICP.</p> <p style="text-align: center;">SAFETY IS THE NUMBER 1 PRIORITY ON THIS INCIDENT The term “Medivac” is for Emergency Medical Evacuations Only</p>								
Prepared by (Medical Unit Leader) Terry O’Connor/Kate Batten-t			10. Reviewed by (Safety Officer) Scott Belknap/Dan Desgoda – t						

MEDICAL PLAN (ICS 206 WF)

Controlled Unclassified Information//Basic

Medical Incident Report

FOR A NON-EMERGENCY INCIDENT, WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.

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

Use the following items to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS / DISPATCH (**Verify correct frequency prior to starting report**)

Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."

2. INCIDENT STATUS: *Provide incident summary (including number of patients) and command structure.*

Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat./Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."

Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious Injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2° – 3° burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor Injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>	
Nature of Injury or Illness & Mechanism of Injury		<i>Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)</i>
Transport Request		<i>Air Ambulance / Short Haul/Hoist Ground Ambulance / Other</i>
Patient Location		<i>Descriptive Location & Lat. / Long. (WGS84)</i>
Incident Name		<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>
On-Scene Incident Commander		<i>Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)</i>
Patient Care		<i>Name of Care Provider (Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: *Complete this section for each patient as applicable (start with the most severe patient)*

Patient Assessment: See IRPG page 106

Treatment:

4. TRANSPORT PLAN:

Evacuation Location (if different): *(Descriptive Location (drop point, intersection, etc.) or Lat. / Long.)* Patient's ETA to Evacuation Location:

Helispot / Extraction Site Size and Hazards:

5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:

Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication

6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable

Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *
COMMAND					
AIR-TO-GRND					
TACTICAL					

7. CONTINGENCY: **Considerations:** *If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead.*

8. ADDITIONAL INFORMATION: *Updates/Changes, etc.*

REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.

The wildland fire community's greatest resource is our personnel, and ensuring our personnel are healthy is the first step in meeting the wildland fire mission.

The best way to prevent COVID-19 is to avoid being exposed to the SARS-CoV-2 virus causing COVID-19. Due to the nature of the wildland fire work environment, not every recommendation listed below will be feasible and some may need to be modified depending on the uniqueness of one's workplace or fire environment. It is important to emphasize that identifying and preventing the spread of COVID-19 will be critical as all agencies strive to keep their workforce healthy throughout the fire season. Fire agencies should also complete a [hazard assessment](#) to identify potential hazards related to COVID-19. The [Hazard Assessment and Prevention Toolkit for COVID-19](#) provides a framework to complete the assessment.

Summary of Major MPHAT Updates-May 2021

- On May 13, 2021, the Centers for Disease Control and Prevention (CDC) provided [further guidance for fully vaccinated people with respect to wearing a mask and physical distancing](#). The President's [Executive Order 13991](#) on Protecting the Federal Workforce requires agencies to adhere to current public health measures as provided in CDC guidance, including with respect to mask wearing, physical distancing, and other safety measures.
- Application of the *Module as One* concept has changed. *Module as One* should be used by crew and modules to reduce exposures to COVID-19 from outside resources or the public, and no longer as a tool to operate in close quarters without masks. Further, because Incident Management Team (IMT) members often travel from various locations, are not able to quarantine ahead of assignment, and often interact with the public and many other IMT members – they cannot achieve a closed "family" unit or be a *Module as One*.
- Availability of the COVID-19 Vaccination. MPHAT recommends the COVID-19 vaccination for wildland fire response personnel to maintain critical fire operations. The full recommendation can be viewed here: <https://www.nwccg.gov/sites/default/files/docs/eb-fmb-m-21-002a.pdf>.
- Quarantine requirements for vaccinated individuals has changed. No quarantine is required if an individual can show they have had a full series of COVID-19 vaccine and is 14 days out from the last vaccination and is without symptoms. It is recommended that the individual be tested for COVID-19 following an exposure and thorough routine workplace screening programs should continue.
- Cleaning with products containing soap or detergent once a day is usually enough to sufficiently remove virus that may be on surfaces and help maintain a healthy facility. If the space is a high traffic or use area or certain conditions apply, cleaning and disinfection may need to occur more frequently.

Incident: Delta Lake Fire	Date: July 12, 2021	Shift: Day
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Safety Zones and Escape Routes

It's 1400, you have been working all morning. How far away are your safety zones? Safety zones are only good if you can reach them. How long will your escape route take? What is the condition of the crew? How long will it take your slowest member to get there? Are your expectations realistic?

Know this vital information at the start of the shift, flag escape routes, and know how long it will take to get personnel to safety.

Post Lookouts

Standard Firefighting Order #5 is: Post lookouts when there is possible danger.

- Discuss why lookouts should be posted at all times.

What are you looking for when you are selecting a lookout location?

- Choose a good vantage point, preferably with a good overview of the entire area where firefighters are located, including escape routes and safety zones.
- Never rely exclusively on aircraft as your lookout.

Transfer of Command

Risks to Fireline personnel increase significantly during transfer of command periods regardless of the size or complexity of the incident. There is a high potential for fatalities, serious injuries, or incidents during transfer of command. Be proactive in mitigating the risks by proper implementation of LCES –Lookouts, Communications, Escape Routes, and Safety Zones.

Line Safety: Dan Nesgoda	Safety: Scott Belknap
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Mechanized Equipment Record

Boundary Waters Canoe Area Wilderness

1. **Forest:** _____ **District:** _____
2. **Incident Name:** _____ **Incident Commander's Name:** _____
3. **Authorization Date:** _____
4. **Authorization Type (check):**
- | | |
|--|---|
| <input type="checkbox"/> Emergency, Fire ____ | <input type="checkbox"/> Emergency, Other ____ |
| <input type="checkbox"/> Emergency, Law Enforcement ____ | <input type="checkbox"/> State and Private Land Access ____ |
| <input type="checkbox"/> Emergency, Search and Rescue ____ | <input type="checkbox"/> Administrative ____ |

5. **Authorization Time Span (often the life of the fire):**

Starting Date: _____

Ending Date: _____

6. **Requestor:**

Internal to Forest Service:

OR External to Forest Service:

7. **Authorizing Official's Title (and Name of District Ranger):**

- | | |
|---|---|
| <input type="checkbox"/> Chief ____ | <input type="checkbox"/> Forest Supervisor ____ |
| <input type="checkbox"/> Regional Forester ____ | <input type="checkbox"/> District Ranger ____ |

8. **Remarks (1. how fire started, 2. minimum tool rationale for motorized equipment needs, and 3. actions with the equipment like long-lining, bucket drops, sling loads, landings, jumpers, etc.):**

9. **Equipment Type, number, and hours used:**

- | | |
|---|--|
| <input type="checkbox"/> Air Tanker ____, ____ | <input type="checkbox"/> Motorcycle ____, ____ |
| <input type="checkbox"/> Float Plane ____, ____ | <input type="checkbox"/> Portable Pump ____, ____ |
| <input type="checkbox"/> ATV ____, ____ | <input type="checkbox"/> Rock Drill ____, ____ |
| <input type="checkbox"/> Bicycle ____, ____ | <input type="checkbox"/> Snowmobile ____, ____ |
| <input type="checkbox"/> Chainsaw ____, ____ | <input type="checkbox"/> Truck ____, ____ |
| <input type="checkbox"/> Generator ____, ____ | <input type="checkbox"/> Wheelbarrow ____, ____ |
| <input type="checkbox"/> Heavy Equipment ____, ____ | <input type="checkbox"/> Portage wheels ____, ____ |
| <input type="checkbox"/> Helicopter ____, ____ | <input type="checkbox"/> Winch, Motorized ____, ____ |
| <input type="checkbox"/> Motor boat ____, ____ | |

10. **Name, Phone Number, & District of Person Submitting Form:**

