

GUARDIAN

HELICOPTERS, INC.

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Caribou Plumas County*

- ☐ SAFETY BRIEF SIGN IN *DGE 21-02362*
- ☐ GHI CREW INTRODUCTION *9-28 10-1 10-2-2021*
- ☐ IS A TRANSLATOR REQUIRED *N4476H NON GAP HEC*
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE

- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS

PROCEDURES

- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- ☐ SITE PLAN /FLIGHT PATH
- ☐ FALL, PINCH, CRUSH DANGER POINTS
- ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
- ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF
- ☐ HEC SAFETY BRIEF SIGN IN
- ☐ INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET
- ☐ WORK STOP AUTHORITY
- ☐ PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)
- ☐ HARNESS, FITMENT, CONDITION AND LOAD LIMIT
- ☐ PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)
- ☐ BUDDY /SELF CHECK
- ☐ COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)
- ☐ NO EQUIPMENT WILL BE TRANSPORTED DURING HEC
- ☐ HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION
- ☐ INSERTION POINT AND AREA HAZARDS
- ☐ HEC ATTACH ZONE AND WAITING AREA
- ☐ EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)
- ☐ NO CELL PHONE OR CAMERA USED DURING HEC

Pilot:

Support Crew:

Location:

Mission:

Aircraft:[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ <u>IMSAFE Acronym</u> Pilot fatigue mitigation must be briefed prior to work	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only

21-02362 Request Summary



Requestor	Ashley M Bloom	Request Date	09/23/2021
LAN ID	AQB0	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 317-3009		Non-Energized
LOB	Electric GC	For Contractor	Yes
	Transmission Line		PAR
Vendor	Guardian Helicopters		

Work Dates

09/28/2021 BELL 407

10/01/2021 - 10/02/2021 BELL 407

Approver

Superintendent John P Whitaker (JPWI)

JpWi@pge.com

(C) (530) 228-1479

Scope of Work

PLUMAS COUNTY
CARIBOU-PALERMO 115KV
CAP - NIL
DISPATCH NOTIFICATIONS - RF HYDRO & BCSO

USFS/NATIONAL PARK TERRITORY - PLUMAS NF
NOTIFICATION MADE - YES

THIRD PARTY - PAR

CONTACTS -
REQUESTOR - TARREN DAHLGREN - 530.586.1594
FOREMAN - GABE GRIFFITTS - 785.338.1785
PGE PM - RON JOHNSON RMJB

SCOPE - HEC || LONG LINE MEN AND MATERIALS FROM LZ TO WORK LOCATIONS FOR
WIRE REMOVAL AND INSULATORS.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 3 & 1 AIRCRAFTS - 150FT.
WORK LOCATIONS OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AS NEEDED.

ADDITIONAL HEC SHIP ON SITE - R2294
10/1 - HAWK ON SITE, R2363

Daily Information

21-02362 Request Summary

09/28/2021

10/01/2021

Reason for Request in Less than 10 Days:

Unscheduled Outage

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ - CARIBOU RD	40 04.27'N 121 10.00'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

LZ 2 - CARIBOU ALT	40 03.70'N 121 11.07'W	<no headquarters>	<no county>	2915 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

10391 CARIBOU-PALERMO 115 KV	40 05.06'N 121 09.14'W	Line #: :000/003	TABLEMTN	<no county>	3200 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

10391 CARIBOU-PALERMO 115 KV	40 04.62'N 121 09.72'W	Line #: :000/008	TABLEMTN	<no county>	3150 ft
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Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	Yes
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	---	Billing Number	31609855 100%
Comments	STRUCTURES -	Req. Notifications	---
	:000/003		
	:000/004		
	:000/005		
	:000/006		
	:000/007		
	:000/008		

21-02362 Request Summary

10/02/2021

Reason for Request in Less than 10 Days:

Unscheduled Outage

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ 2 - CARIBOU ALT	40 03.70'N 121 11.07'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

10391 CARIBOU-PALERMO 115 KV	40 03.80'N 121 11.98'W	Line #: :003/027	TABLEMTN	<no county>	2800 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

10391 CARIBOU-PALERMO 115 KV	40 02.89'N 121 12.85'W	Line #: :004/035	TABLEMTN	<no county>	2725 ft
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Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	Yes
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	---	Billing Number	31609855 100%
Comments	STRUCTURES -	Req. Notifications	---
	:003/027		
	:003/028		
	:003/029		
	:003/030		
	:004/031		
	:004/032		
	:004/033		
	:004/034		
	:004/035		

Talk About #	151.505	Talk Group	151.505	Talk Radio #	151.505
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21-02362 - September 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28 08:00 -16:00 BELL 407 LZ - CARIBOU RD 40 04.27'N 121 10.00'W	29	30	1 08:00 -16:00 BELL 407 LZ - CARIBOU RD 40 04.27'N 121 10.00'W	2 08:00 -16:00 BELL 407 LZ - CARIBOU RD 40 04.27'N 121 10.00'W
3	4	5	6	7	8	9

21-02362 - October 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28 08:00 -16:00 BELL 407 LZ - CARIBOU RD 40 04.27'N 121 10.00'W	29	30	1 08:00 -16:00 BELL 407 LZ - CARIBOU RD 40 04.27'N 121 10.00'W	2 08:00 -16:00 BELL 407 LZ - CARIBOU RD 40 04.27'N 121 10.00'W
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6



SECTION 7

Part 135 GH 4A Part 133 GH 4L
NON- Congested Area PlanOperator: Guardian Helicopters, Inc
67 D STREET
Fillmore CA. 93015Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: PG&E HEC WORK ORDER #: 21-02362

ADDRESS: CARIBOU RD CITY: CARIBOU STATE: CA.

LZ 40° 4'17.03"N 121°10'1.32"W

LZ 2 STAGING AREA 40° 3'41.58"N 121°11'4.44"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE FOR STRUCTURE LOCATION

CONTACT REQUESTOR: TARREN DAHLGREN PHONE#: 530-586-1594

CONTACT FORMAN: GABE GRIFFITTS PHONE#: 785-338-1785

PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MICHAEL KLINK CERT#: 3018828
4. IAN GOODALE CERT#: 3741973
5. ROSS GOULET CERT#: 3396777TYPE OF AIRCRAFT: BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 407 N# N447GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT A/C CATEGORY: STANDARD
AS350 B3 N# N718GH A/C CATEGORY: STANDARD
AS350 B3 N# N215GH A/C CATEGORY: STANDARD**IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.**TYPE OF LIFTS: HEC LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐ AERODYNAMIC ☒ NON-AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 150 FT (LENGTH) OPERATIONAL ALTITUDE: ≤ 250 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
9-28-2021	SUNRISE	SUNSET	8-18-2021
10-1-2021	SUNRISE	SUNSET	8-18-2021
10-2-2021	SUNRISE	SUNSET	8-18-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
PRATTVILLE ALMANOR FIRE DEPART	530-259-3822	DISPATCH	NOTIFIED
CHESTER SHERIFF	530-258-3111	DISPATCH	NOTIFIED

Evacuation**Crowd Control****Street Closure**☒ No Evacuated Structures☒ Operator☒ Yes ☐ No☐ Evacuated Structures☒ Contractor☒ Contractor☐ Operator



Part 135 GH 4A Part 133 GH 4L

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
ONE STRUCTURE NEAR LZ STAGING AREA	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN RED OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	VACANT DURING OPS	HAND DELIVER

Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA.

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

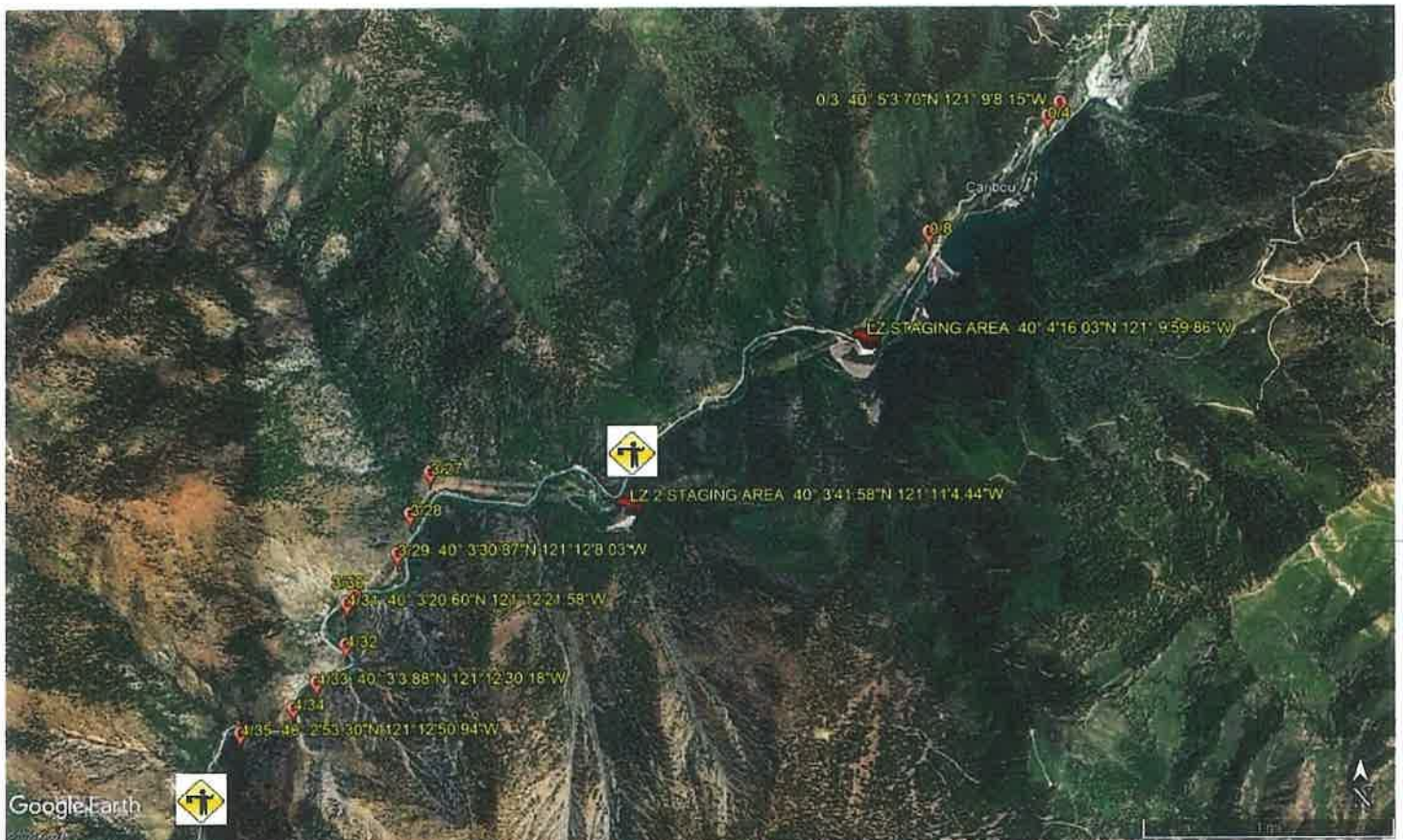
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. HELICOPTER WILL LAND AT LZ TO CONDUCT TAILBOARD AND HEC TRAINING
2. WATER TRUCK IS REQUIRED AT LZ
3. EQUIPMENT WILL BE AT THE LZ STAGING AREA
4. REMOTE AREA NO STREET CLOSURE FLAGMAN NEAR LZ
5. NO EVACUATIONS
6. CONTRACTOR WILL PROVIDE TREE TRIMMING AS REQUIRED

LEGEND

<u>SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH</u>		
LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	









8-26-2021

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator