

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: Plumas County / Caribou Co

- ☐ SAFETY BRIEF SIGN IN
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ 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

8-28 mob
8-29 ~~work~~
8-30 work
8-31 work
9-1 Demob
HEC Air Chair

PGE 21-01958

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:**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

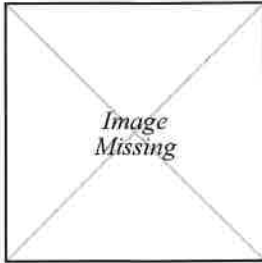
Pilot:**Location:**

Mission:

Aircraft:[illegible]

Pilot:**Location:****Mission:****Aircraft:**[illegible]

21-01958 Request Summary



Requestor	Jared Merkle	Request Date	08/25/2021
LAN ID	J8M0	Work Type	Lift Work
Phone	(530) 801-1459	Lift Work Type	HEC -
Cell	(530) 801-1459		Non-Energized
LOB	Electric Transmission	For Contractor	Yes
	Line		PAR
Vendor	Guardian Helicopters		

Work Dates

08/29/2021 - 08/31/2021 BELL 407

Approver

Superintendent John P Whitaker (JPWI)

JpWi@pge.com

(C) (530) 228-1479

Foreman

Gabriel Griffiths (G3GN)

(P) (785) 338-1785

(C) (785) 338-1785

Scope of Work

PLUMAS COUNTY
CARIBOU-PALERMO 115KV
CAP - NIL
DISPATCH NOTIFICATIONS - BSCO & RFHYDRO

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

THIRD PARTY - PAR

SCOPE - HEC || Removing 2 spans of wire over Caribou PH. Fly men, tools and material to inaccessible towers.

ADDITIONAL HEC SHIP ON SITE - R1934.

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

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AS NEEDED.

Daily Information

08/29/2021 - 08/31/2021

Reason for Request in Less than 10 Days:

Unscheduled Outage

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	Caribou Rd	40 04.28'N 121 10.02'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

21-01958 Request Summary

--- - Work Location

10391 CARIBOU-PALERMO 115 KV 40 05.07'N Line #: :000/002 TABLEMTN <no county> 3000 ft
121 08.97'W

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	HEC Gear, Grapple, Air Chairs	Billing Number	31509392 100%
Comments	---	Req. Notifications	---

Talk About #	105	Talk Group	105	Talk Radio #	105
CC Recipients	JDDO@PGE.COM				

21-01958 - August 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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
29	30	31				
08:00 -16:00 BELL 407 Caribou Rd 40 04.28'N 121 10.02'W	08:00 -16:00 BELL 407 Caribou Rd 40 04.28'N 121 10.02'W	08:00 -16:00 BELL 407 Caribou Rd 40 04.28'N 121 10.02'W				
5	6	7	8	9	10	11



SECTION 7

Part 135 GH 4A Part 133 GH 4L

NON- Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D STREET
Fillmore CA. 93015

Phone (818) 442-9904

FAX (818) 442-9901

PROJECT: PG&E POLE SET WORK ORDER #: 21-01946ADDRESS: CARIBOU RD CITY: CARIBOU STATE: CA.LZ 40° 4'17.03"N 121°10'1.32"W0/1 40° 5'11.04"N 121° 8'50.18"W0/2 40° 5'4.18"N 121° 8'58.24"W0/3 40° 5'3.58"N 121° 9'8.06"WSEE ATTACHED FLIGHT REQUEST AND KMZ FILECONTACT REQUESTOR: JOHN WHITAKER PHONE#: 530-228-1479CONTACT FORMAN: GABRIEL GRIFFITTS PHONE#: 785-338-1785PILOT'S NAME(S): 1. JOHN OLSON CERT #: 27691662. BUCKEY MACKAY CERT #: 27780513. MICHAEL KLINK CERT#: 30188284. IAN GOODALE CERT#: 37419735. ROSS GOULET CERT#: 3396777TYPE OF AIRCRAFT: BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTEDBELL 407 N# N407GH A/C CATEGORY: STANDARDBELL 407 N# N447GH A/C CATEGORY: STANDARDBELL 205A1 N# N216GH A/C CATEGORY: STANDARDAS350 B2 N# N498PT A/C CATEGORY: STANDARDAS350 B3 N# N718GH A/C CATEGORY: STANDARDAS350 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 AIRCHAIR EQUIPMENT 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
8-29-8-31	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

EvacuationCrowd ControlStreet 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.

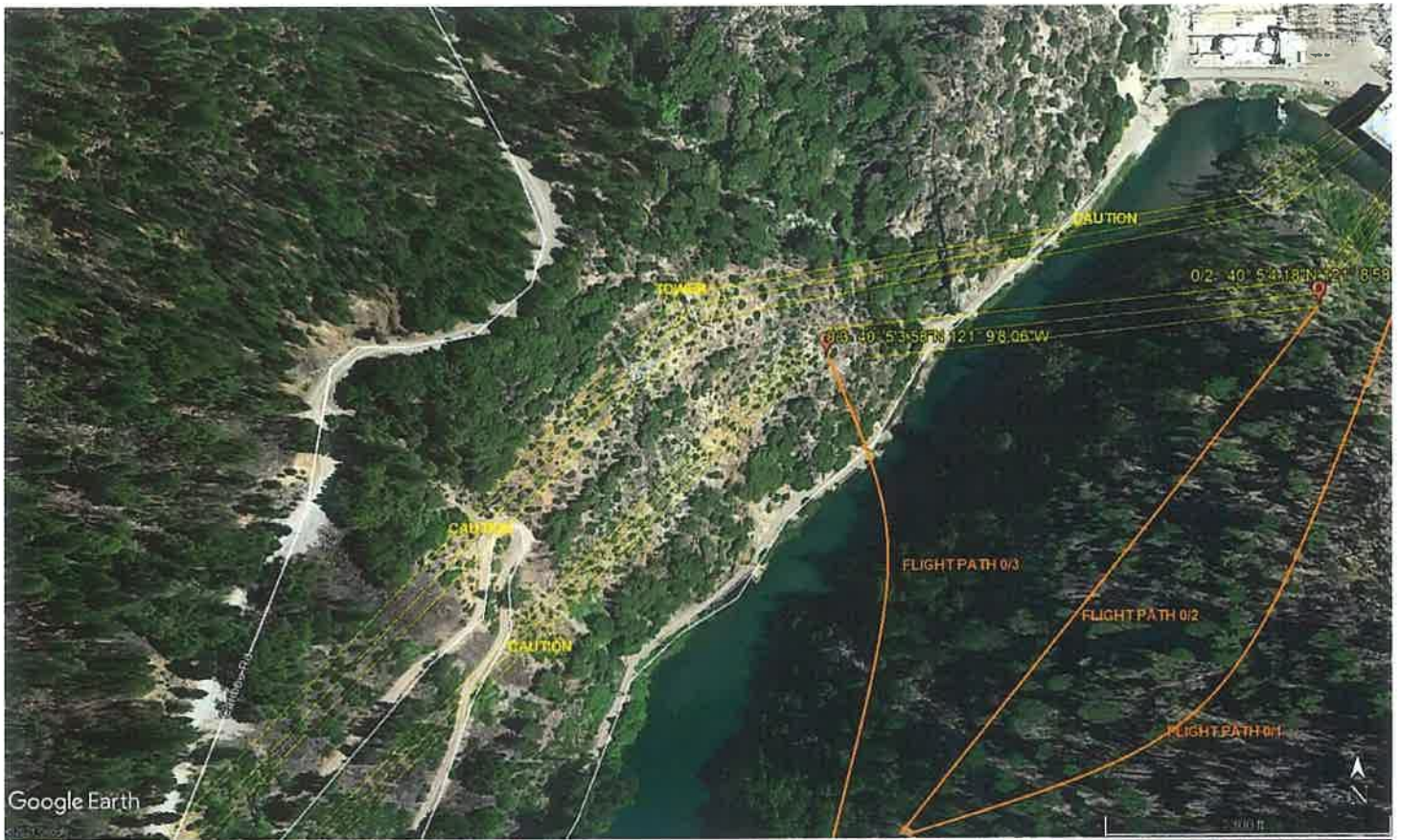
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

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)	







Jeffrey M. Teubner

8-26-2021
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator