

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Bass Lake*

- ☐ SAFETY BRIEF SIGN IN *PGE 22-01276*
- ☐ GHI CREW INTRODUCTION *N7776H NON-CAP*
- ☐ IS A TRANSLATOR REQUIRED *40 C12 1500LBS 2500LB ROCK Bag*
- ☐ 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

Non-compliance with established procedures may result in your removal from the mission

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

22-01276 Request Summary (Guardian Helicopters)



Requestor	Shelby D Eastom-Plum	Request Date	06/01/2022
LAN ID	SDE9	Work Type	Lift Work
Phone	(707) 564-5073	Lift Work Type	Cargo
Cell	(707) 564-5073	For Contractor	Yes
LOB	Electric GC		SUMMIT LINE
	Transmission Line		
Vendor	Guardian Helicopters		

Work Dates

06/16/2022 UH-1H

Approver

Supervisor James D Hunter (JDHF)

JDHf@pge.com

(C) (559) 903-3893

Scope of Work

MADERA COUNTY

OAKHURST 1103

CAP- NIL

RQD NOTIFICATIONS- AUBERRY HYDRO

USFS/NATIONAL PARK TERRITORY- SIERRA NF

NOTIFICATIONS MADE- YES

CONTACTS-

REQUESTOR- DAVID DYAS 385-250-6982

FOREMAN- LOREN YOUNG 435-300-6163

PGE PM- WALEEP BURRELL (W1BX) & JIM HUNTER (JDHF)

SCOPE- HELICOPTER TO TRANSPORT TOOLS, MATERIALS, 2500 LB ROCK BACKS, AND POLE TO WL FOR POLE SET. FRAMED WOOD POLE- 40 FT, CL 2- 1500 LBS.

LZ/WORK LOCATION INFORMATION-

LZ- OK, NO OBSTRUCTIONS BUT IS RIGHT NEXT TO BASS LAKE. VERIFIED PER HYDRO DATA PLATE GOOD TO USE FOR UP TO TYPE 1 HELICOPTERS. PER REQUESTER, LZ APPROVAL IN WORKS WITH HYDRO.

LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT- 100 FEET DIAMETER

PICK SITE- OK, TREES AND ROAD IN PROXIMITY.

WL- OK, WILL HAVE TO CROSS MULTIPLE ROADS AND BASS LAKE FROM PICK SITE TO WL. WITHIN TERRIAN AND TREES IN PROXIMITY.

PER REQUESTER, TRAFFIC & WATER TRAFFIC MITIGATION WILL BE IN PLACE

Daily Information

22-01276 Request Summary (Guardian Helicopters)

06/16/2022

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

07:30 - LZ	LZ	37 17.49'N 119 31.70'W	<no headquarters>	<no county>	3375 ft
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--- - Work Location

PICK SITE	37 19.77'N 119 35.02'W	<no headquarters>	<no county>	3440 ft
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--- - Work Location

10033B OAKHURST TAP 115 KV	37 19.99'N 119 34.27'W	Line #: 101020003	FRESNO	<no county>	3480 ft
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Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	Yes
Undergrounding	No	Fuel Truck	Yes
Project		Special Equipment	---
Cargo Weight	2500.0 lbs	Comments	---
Billing Number	35086209-5300 100%		
Req. Notifications	---		

Talk About #	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A	Talk Group	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A	Talk Radio #	CH 2 RX/TX 464.5 TONE CODE 131.8 T/A A
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22-01276 (Guardian Helicopters) - June 2022

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 07:30 -15:30 UH-1H LZ 37 17.49'N 119 31.70'W	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9



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 #: 22-01276

ADDRESS: SOUTH SHORE ROAD CITY: BASS LAKE STATE: CA.

LZ 37°17'29.68"N 119°31'41.99"W

PICK SITE 37°19'46.25"N 119°35'1.22"W

101020003 37°19'59.89"N 119°34'16.17"W

40 FT CL 2 1500 LS 2500 LBS ROCK BAG

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: DAVID DYAS

PHONE#: 385-250-6982

CONTACT FORMAN: LOREN YOUNG

PHONE#: 435-300-6163.

PILOTS:

1. <u>MICHAEL KLINK</u>	CERT#: <u>3018828</u>
2. <u>BUCKEY MACKAY</u>	CERT #: <u>2778051</u>
3. <u>IAN GOODALE</u>	CERT#: <u>3741973</u>
4. <u>ROSS GOULET</u>	CERT#: <u>3396777</u>
5. <u>TREVOR NEEDHAM</u>	CERT#: <u>3597688</u>

TYPE 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 407HP N# N111GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
BELL 205A1 N# N211GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT 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: 40 FT CL 2 15000 LBS 2500 LBS ROCK BAG 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
6-16-2022	SUNRISE	SUNSET	6-9-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
MADERA COUNTY SHERIFF	559-658-2555	DISPATCH	NOTIFIED
BASE LAKE FIRE DEPARTMENT	559-642-3616	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
NONE	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.

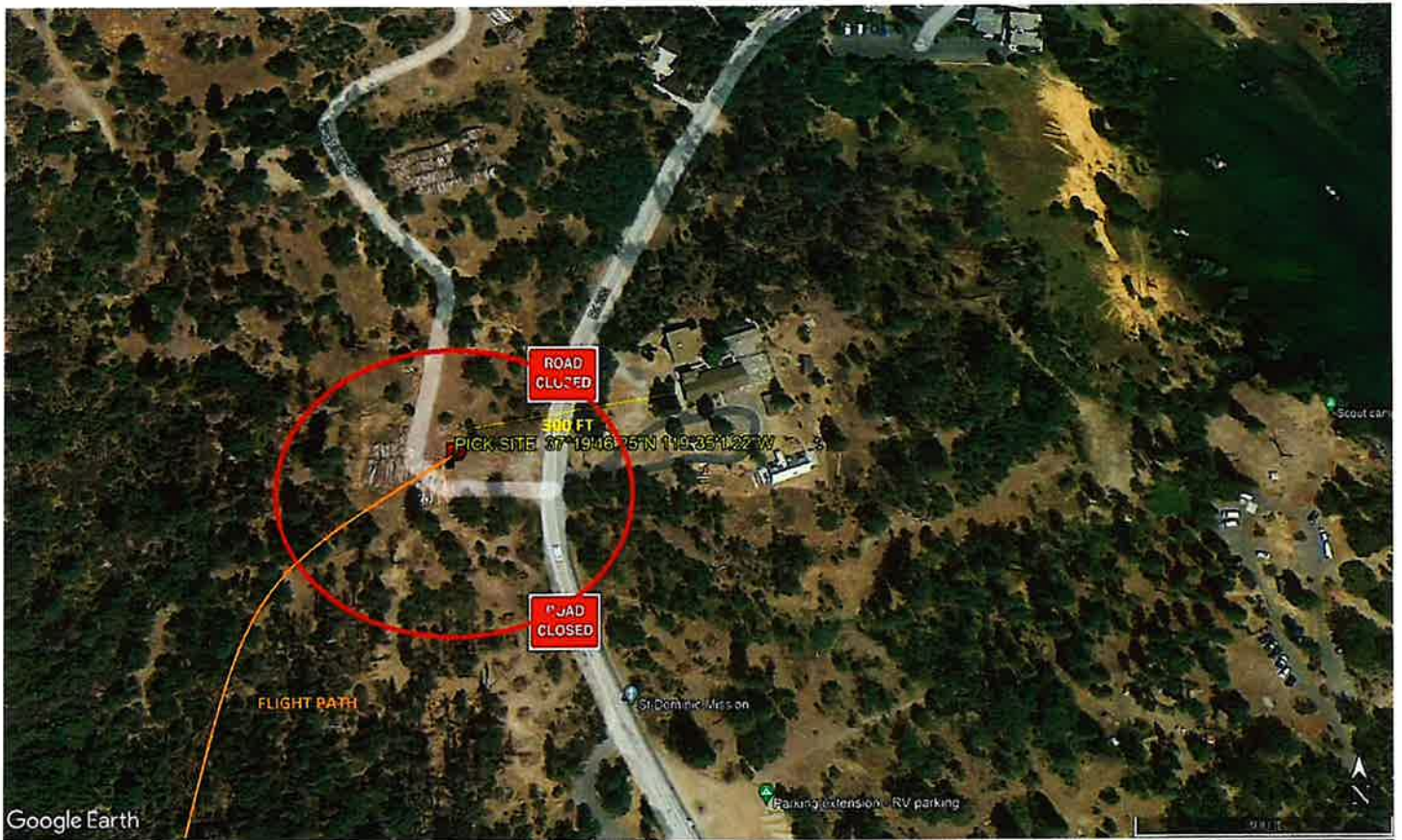
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

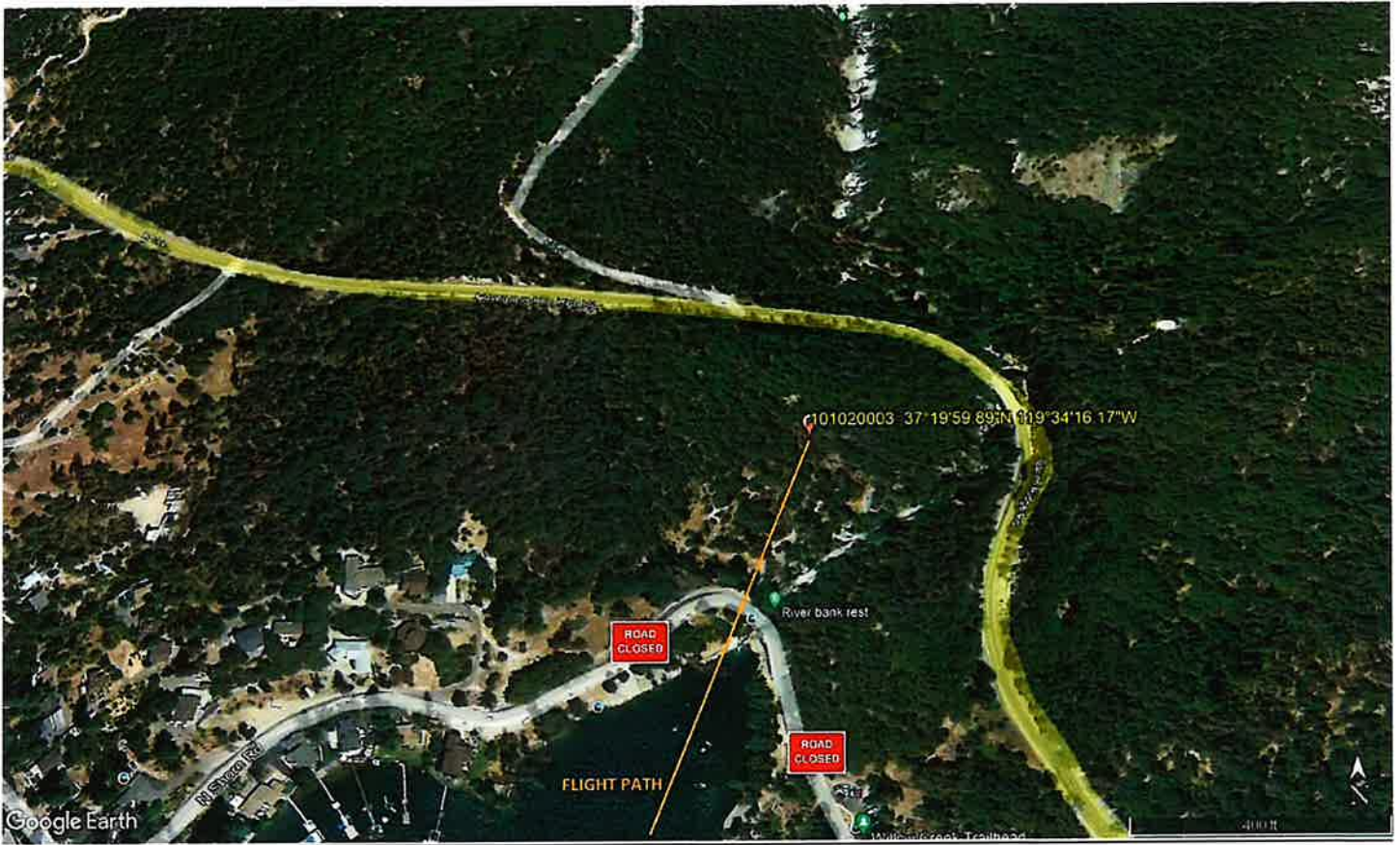
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. HELICOPTER WILL LAND AT LZ TO CONDUCT TAILBOARD
2. WATER TRUCK IS REQUIRED AT LZ
3. POLE WILL BE STAGED AT THE PICK UP SITE
4. STREET CLOSURE PER DIAGRAM
5. **A BOAT WILL BE PROVIDED TO KEEP OTHER VESSELS CLEAR OF FLIGHT PATH**

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

6-9-2022

DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator