

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

- ☐ 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

5-3-2021

Z1-00463

UH-1H Non-cap
(1)(50' C11) 2000 LBS.
1100 FT Elev.

Humboldt County
Bridgeville 1101

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

Tailboard & Helicopter Safety Briefing

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

Aircraft:	Pilot:
LZ Supervisor:	Driver:
Project Name:	Location:
Mission:	
Contractor Name:	

Note: By signing this document you acknowledge you understood all items briefed to you and that you are responsible for insuring all loose items are secured when working under a helicopter.

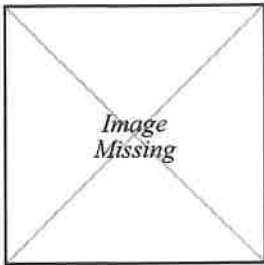
[illegible]

GUARDIAN

HELICOPTERS, INC.

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Secure loose items ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: ○ First aid/survival kit ○ Fire extinguisher ○ Fuel and battery shut off procedure ○ Radios, ELT, SAT Phone <u>IMSAFE Acronym</u>	☐ 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 principle ☐ Re-brief in case scope changes	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signal ☐ 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 (rubber gloves) ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run / Play by play pole set Procedure ☐ In case of non-GHI ground crew: Rigging procedures must be briefed
MISSION TYPE: PATROL/CAMERA		
PATROL		
☐ Helmet or headset required ☐ Patrol course/training current ☐ PPE, mission equipment, e.g., binoculars, camera ☐ Fitness for duty, rest requirements ☐ Type of patrol/patrol objectives ☐ Line names, segments ☐ Review of maps, e.g., sectional, circuit maps ☐ Known hazards, crossings, livestock, noise sensitive areas, ground patrol segments (minimum 300') ☐ Recon procedures: ○ High recon / Low recon ○ Hazard mapping/logging procedures ☐ Patrol Restrictions: ○ Preferred 16 hours duty day prior to patrol for Lineman ○ 10 feet from Tip Path Plane to any hazard ○ 150% Overall length in case of aircraft rotation ○ Segment patrols: establish landmarks ○ A distance of 300 feet, vertical or horizontal Must be maintained from unmarked crossings and/or hazards on any circuit segments	☐ Operational check of tracker and radios ☐ Distribution Patrol: ○ No forward speed if skids below conductor ○ May descend below conductor only with <i>low level recon flight and/or circuit segment established and</i> ○ <i>Maintaining 10 feet to nearest obstacle</i> ☐ 8 Flight Hours or 14 hour duty day in 24 hour period approved. ☐ Fuel/lunch/rest breaks	
CAMERA		
☐ Helmet required on all camera patrol flights ☐ Pilot MUST NOT be fixated on camera screen; attention is on FLIGHT PROCEDURES ☐ Patrolman MUST NOT be fixated on camera; attention is on WIRE AVOIDANCE		

21-00463 Request Summary



Requestor	John P Howland Iii	Request Date	03/04/2021
LAN ID	JP2J	Work Type	Lift Work
Phone	(707) 449-5836	Lift Work Type	Cargo
Cell		For Contractor	Yes
LOB	Electric GC Distribution		ROKSTAD
Vendor	Guardian Helicopters		

Work Dates

05/03/2021 UH-1H

Approver

Supervisor John P Howland Iii (jp2j)

JP2J@pge.com

(C) (707) 564-5896

Scope of Work

HUMBOLDT
BRIDGEVILLE 1101
CAP- NA
DISPATCH NOTIFICATIONS- NA

USFS/NATIONAL PARK TERRITORY- NA
APPROVAL RECEIVED- NA

THIRD PARTY CONTACTS-
REQUESTOR-DARRELL FOLEY (832)302-5497
FOREMAN-Brian Watson/423-772-0512
PGE PM-TBD

SCOPE- TRANSPORT POLE AND ROCK BAGS FROM PICK LOCATION TO WORK
LOCATION FOR POLE REPLACEMENT. 50' CL1 WOOD 1993 LBS

LZ/WORK LOCATION INFORMATION-

LZ-OK, TALL TREES TO THE SOUTH/SOUTHEAST. PACKED DIRT SURFACE
LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT- 120 FEET DIAMETER

POLE PICK LOCATION-OK, ADJACENT TO HWY 36. REQUESTER CONFIRMED TRAFFIC
CONTROL WILL BE IN PLACE

WL-OK, IN A WOODED AREA

REQUESTER TO PROVIDE TRAFFIC/DUST MITIGATION, AS NEEDED.

Daily Information

21-00463 Request Summary

05/03/2021

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

08:00 - LZ	LZ	40 29.45'N 123 44.54'W	<no headquarters>	<no county>	2500 ft
------------	----	---------------------------	-------------------	-------------	---------

--- - Work Location

POLE PICK LOCATION	40 28.71'N 123 46.37'W	<no headquarters>	<no county>	800 ft
--------------------	---------------------------	-------------------	-------------	--------

--- - Work Location

BRIDGEVILLE 1101 12KV	40 28.72'N 123 46.26'W	Line #: 101006732	HUMBOLDT	<no county>	850 ft
-----------------------	---------------------------	-------------------	----------	-------------	--------

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2000.0 lbs
Special Equipment	---	Billing Number	35177340-5300 100%
Comments	---	Req. Notifications	---

Talk About #	TBD	Talk Group	TBD	Talk Radio #	TBD
--------------	-----	------------	-----	--------------	-----

21-00463 - May 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25	26	27	28	29	30	1
2	3 08:00 -16:00 UH-1H LZ 40 29.45'N 123 44.54'W	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					5



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 #: 21-00463

ADDRESS: HWY 36 CITY : BRIDGEVILLE STATE: CA

LZ LATITUDE 40°29'27.00"N LONGITUDE 123°44'32.40"W ELEV 1000 FT

POLE PICK UP LATITUDE 40°28'42.61"N LONGITUDE 123°46'22.18"W

101006732 LATITUDE 40°28'42.61"N LONGITUDE 123°46'15.76"W

CONTACT REQUESTOR: DARRELL FOLEY

PHONE#: 832-302-5497

CONTACT FORMAN: BRAIN WATSON

PHONE#: 423-772-0512

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#: 3396777

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 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: (1) POLES 50 FT CL 1 2000 LBS 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
5-3-2021	SUNRISE	SUNSET	4-28-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
HUMBOLT COUNTY SHERIFF DEPARTMENT	707-441-5113	DISPATCH	NOTIFIED
HYDESVILLE FIRE DEPARTMENT	707-768-3752	DISPATCH	NOTIFIED



Part 135 GH 4A Part 133 GH 4L
NON Congested Area Plan

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

Crowd Control

☒ Operator

☒ Contractor

Street Closure

☒ Yes ☐ No

☒ Contractor

☐ Operator

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
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 THE LANDING ZONE TO CONDUCT TAILBOARD.
2. THE NEW POLE WILL BE STAGED OFF THE SIDE OF THE ROAD PER DIAGRAM
3. TAILBOARD WILL BE CONDUCTED AT LANDING ZONE
4. WATER TRUCK IS REQUIRED AT LANDING AREAS
5. NO EVACUATIONS
6. STREET CLOSURE AT POLE STAGING AREA SEE DIAGRAM
7. TREE TRIMMING IF REQUIRED





LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH

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)	