

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:

- ☐ 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

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

PG-E Healdsburg CA

7-29-2020

(2) BAK 55CL 2650 LBS

NON-CAP

PG-E 20-01401

[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
<input type="checkbox"/> Approach and departure <input type="checkbox"/> Main/tail rotor hazards <input type="checkbox"/> Safe cargo loading/unloading <input type="checkbox"/> Loose articles: - Aircraft & LZ <input type="checkbox"/> Hearing protection <input type="checkbox"/> Door/seatbelt operation <input type="checkbox"/> Headset/helmet/intercom <input type="checkbox"/> Air-sickness <input type="checkbox"/> In-flight emergencies Establish who will call 911 <input type="checkbox"/> Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone <input type="checkbox"/> Fueling Operations: - Duties & Safety Issues	<div data-bbox="573 283 1005 982"> <input type="checkbox"/> Weather conditions <input type="checkbox"/> Wind direction <input type="checkbox"/> Fuel <input type="checkbox"/> Gross weight <input type="checkbox"/> Terrain <input type="checkbox"/> Landing zone hazards <input type="checkbox"/> Density altitude <input type="checkbox"/> Noise abatement <input type="checkbox"/> Congested area plan <input type="checkbox"/> Traffic/crowd control </div> <div data-bbox="573 982 1005 1050">CRM</div> <div data-bbox="573 1050 1005 1575"> <input type="checkbox"/> COMMUNICATION IS CRITICAL <input type="checkbox"/> Standardized language <input type="checkbox"/> "Code Red" phrases <input type="checkbox"/> Sterile cockpit <input type="checkbox"/> Flight following/radio procedures <input type="checkbox"/> Possible tasks for crew, e.g., switch/tune radios, maps <input type="checkbox"/> Hazard awareness, e.g., birds, other hazards <input type="checkbox"/> STOP work policy <input type="checkbox"/> Re-brief in case scope changes <input type="checkbox"/> <u>IMSAFE Acronym</u> </div> <div data-bbox="573 1575 1005 1976"> <p>Pilot fatigue mitigation must be briefed prior to work</p> </div>	<input type="checkbox"/> Ground crew PPE <input type="checkbox"/> Long Line & Rigging Equipment Inspection <input type="checkbox"/> Communication: Use of headset for lineman communicating with pilot <input type="checkbox"/> Head/Hand Signals <input type="checkbox"/> Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt <input type="checkbox"/> Steps on pole <input type="checkbox"/> Remote hook operations <input type="checkbox"/> Ground crew hook up procedures <input type="checkbox"/> Static discharge <input type="checkbox"/> Emergency flyaway procedures <input type="checkbox"/> Long line clearance (6'- 25'- 150% rule) <input type="checkbox"/> No person under load <input type="checkbox"/> Ground crew safety zone <input type="checkbox"/> Pole removal with potential snag issues must be discussed <input type="checkbox"/> Nylon straps (wood vs. glass) <input type="checkbox"/> Load ratings (7:1 minimum) <input type="checkbox"/> Dry Run/Play by play pole set Procedures <input type="checkbox"/> Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. <input type="checkbox"/> In case of Non-Company ground crew: Rigging procedures must be briefed <input type="checkbox"/> No cell phone/camera use during external loads <input type="checkbox"/> Essential crew only

20-01401 Request Summary (Guardian Helicopters)



Requestor	Dylan T Barnard	Request Date	07/15/2020
LAN ID	dtbb	Work Type	Lift Work
Phone	(925) 813-1257	Lift Work Type	Cargo
Cell	(925) 813-1257	Emergency Work	No
LOB	Electric GC Distribution	For Contractor	No
Vendor	Guardian Helicopters		

Work Dates

07/29/2020 Unspecified Type

Approver	Supervisor Troy M Bard (TMBI)	TMBi@pge.com	(C) (707) 291-2654
Foreman	Brett Humphrey (B1HI)	(P) (707) 546-6718	(C) (707) 708-1818

Scope of Work SONOMA COUNTY
FITCH MOUNTAIN 1113
CAP - NIL
DISPATCH NOTIFICATIONS - NIL

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

SCOPE - SETTING 3 55 CL1 POLES AT 2,665LBS. 2 CREWS WORKING 1 CREW WILL DO 2 POLES 1 CREW WILL DO 1 POLE.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT - 150FT.
WORK LOCATIONS OK, NO OBSTRUCTIONS.

REQUESTOR WILL PROVIDE TRAFFIC MITIGATION. HOMES WITHIN 300FT OF
STRUCTURE WILL BE EVACUATED.

Daily Information

07/29/2020

Asset Category: MEDIUM

Asset Type: Unknown

Locations

08:00 - LZ	LZ - PUCCIONI RD, HEALDSBURG	38 35.60'N 122 56.09'W	<no headquarters>	<no county>	450 ft
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--- - Work Location

FITCH MOUNTAIN 1113	38 35.30'N 122 57.44'W	Line #: 102029996	<no headquarters>	<no county>	600 ft
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--- - Work Location

FITCH MOUNTAIN 1113	38 35.30'N 122 57.48'W	Line #: 101963635	<no headquarters>	<no county>	625 ft
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20-01401 Request Summary (Guardian Helicopters)

--- - Work Location

FITCH MOUNTAIN 1113

38 35.56'N
122 57.69'W

<no headquarters>

<no county>

625 ft

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2700.0 lbs
Special Equipment	---	Billing Number	74022384-5300 100%
Comments	LOCATION 1 IS WITHIN 300' PROXIMITY OF OCCUPIED HOME. OCCUPANTS HAVE BEEN NOTIFIED OF UPCOMING WORK AND WILL BE OUT OF THE AREA ON DAY OF WORK. VEGETATION CREWS HAVE CLEARED RIGHT OF WAYS AT ALL 3 LOCATIONS. TRAFFIC CONTROL WILL BE AVAILABLE TO HOLD TRAFFIC WHEN CROSSING MILL CREEK RD.		
		Req. Notifications	---

Talk About #

106

Talk Group

106

Talk Radio #

4541

20-01401 (Guardian Helicopters) - July 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	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 08:00 -16:00 Unspec. LZ - PUCCIONI RD,, 38 35.60'N 122 56.09'W	30	31	1
2	3	4	5	6	7	8



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 REPLACEMENT WORK ORDER #: 20-01401
 ADDRESS: MILL CREEK RD : HEALDSBURG CA
LZ STAGING AREA LATITUDE 38°35'36.18"N LONGITUDE 122°56'5.97"W
102029996 LATITUDE 38°35'18.00"N LONGITUDE 122°57'26.40"W 55 CL 1 2665 LBS
101963635 LATITUDE 38°35'17.77"N LONGITUDE 122°57'28.50"W 55 CL 1 2665 LBS

CONTRACTOR'S NAME: TROY BARD PHONE#: 707-291-2654
 CONTRACTOR'S NAME: BRETT HUMPHREY PHONE#: 707-708-1818

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#: 339677
 6. CHRIS CURRIER CERT#: 3093383

TYPE OF AIRCRAFT:

BELL UH-1H N#: N711GH A/C CATEGORY: RESTRICTED
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

TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS 2 55 CL1 POLES

MAX SINGLE – LIFT WEIGHT: 2700 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: TBD LONG LINE: _____ (NO) XXX (YES) LESS THEN 200 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
7-29-2020	SUNRISE	SUNSET	7-8-2020
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
HEALDSBURG POLICE DEPT.	707-431-3377	DISPATCH	NOTIFY
HEALDSBURG FIRE DEPT.	707-431-3360	DISPATCH	NOTIFY



NON- Congested Area Plan (Continued)

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
???? MILL CREEK RD SEE DIAGRAM	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	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.

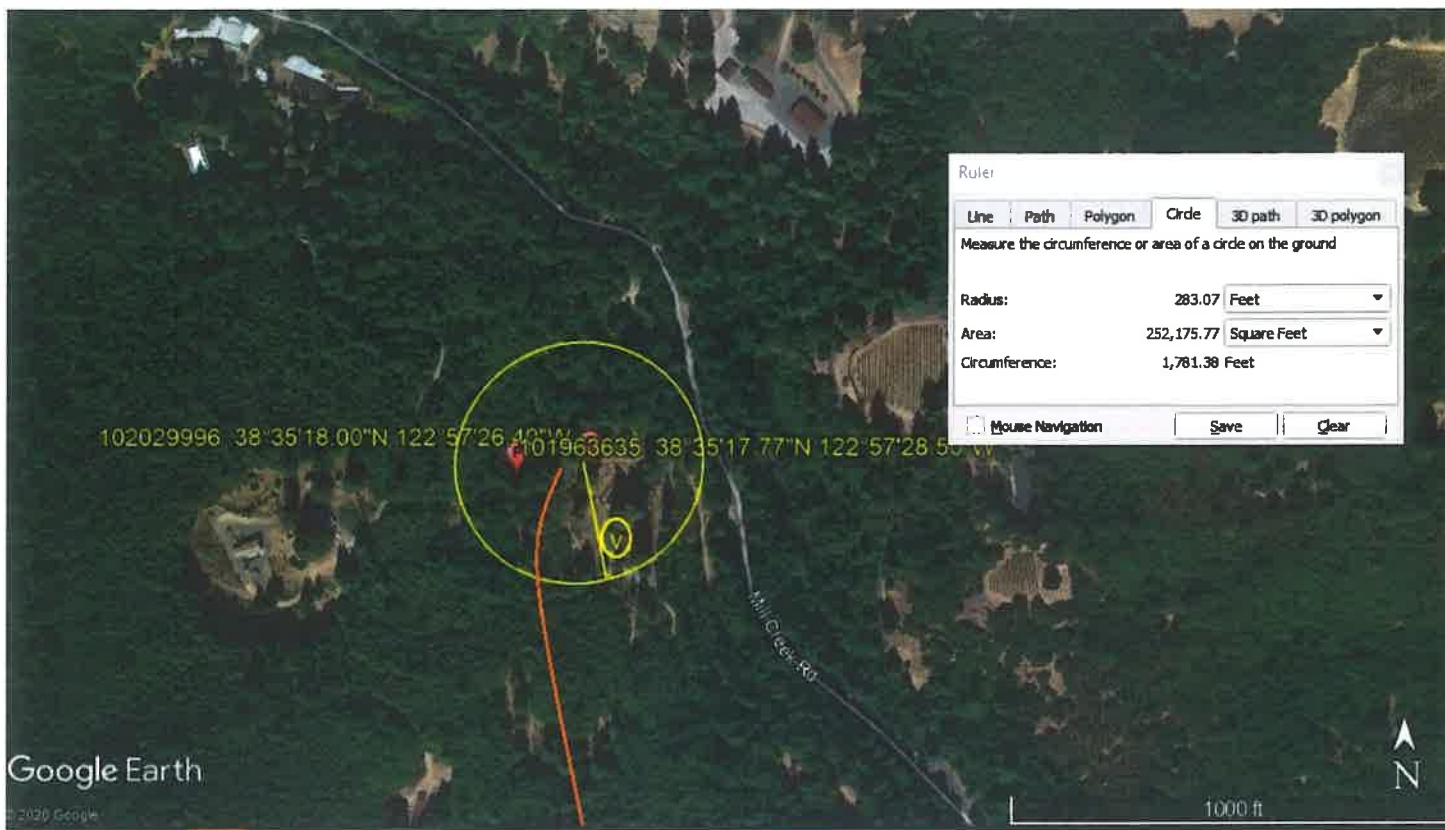
A TAILBOARD SAFETY MEETING WILL BE HELD AT THE ASSIGNED AREA PRIOR TO BEGINNING HELICOPTER OPERATIONS

1. HELICOPTER WILL AT THE LANDING ZONE AREA TO CONNECT LONGLINE AND CONDUCT A TAILBOARD SAFETY BRIEF
2. WATER TRUCK REQUIRED
3. PILOT WILL FLY LOW RECON PRIOR TO OPERATIONS TO VERIFY CLEAR FLIGHT PATH TO POLE SITE
4. FUELING WILL ONLY BE CONDUCTED AT THE LZ STAGING AREA
5. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
6. ONE HOME REQUIRES EVACUATION SEE DIAGRAM
7. MILL CREEK ROAD WILL EXPERIENCE INTERMITTENT CLOSURES
8. TREE TRIMMING MAYBE REQUIRED PRIOR TO OPERATIONS

OPERATIONS AREA DIAGRAM







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 = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

AREA SURVEY CONDUCTED BY :

Jeffrey M. Johnston