

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

☐ SAFETY BRIEF SIGN IN

PGE 21-01600 8/23/2021

☐ GHI CREW INTRODUCTION

(1) 45C1 2200LBS

☐ IS A TRANSLATOR REQUIRED

NON-CAP

☐ 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

[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

21-01600 Request Summary (Guardian Helicopters)



Requestor	Shelby D Eastom-Plum	Request Date	07/29/2021
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 Distribution		WILSON
Vendor	Guardian Helicopters		CONSTRUCTIO N

Work Dates

08/23/2021 UH-1H

Approver

Supervisor John R Martinez (JN3J)

JN3J@pge.com

(C) (530) 410-2057

Scope of Work

PLACER COUNTY
PLACER 1103 12KV
CAP- YES
RQD NOTIFICATIONS- AUBURN HYDRO

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

CONTACTS-
REQUESTOR-TRAVIS SANDERS 503-953-5884
FOREMAN- MAX VINYARD 503-347-5612

SCOPE- HELICOPTER TO ASSIST WITH TRANSPORTING MATERIALS, TOOLS, POLE TO WORK LOCATION TO CHANGE OUT OLD ROTTEN POLE AND SET A NEW POLE. FRAMED WOOD POLE: 45 FT, CLASS 1- 2026 POUNDS (BARE).

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS WITHIN PROXIMITY TO ROAD AND HELICOPTER TO REMAIN 300 FT FROM HOMES. PER REQUESTER, WATER TRUCK WILL BE ON SITE AND LZ APPROVAL HAS BEEN RECIEVED FROM DON ANDERSON 530-906-6322.
LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT- 100 FEET DIAMETER

WL- OK, NO OBSTRUCTIONS- WITHIN 300 FT OF HOMES/BUILDINGS.

PER REQUESTER, TRAFFIC MITIGATION WILL BE IN PLACE AND ALL HOMES/BUILDINGS WITHIN 300 FT OF WL/LZ WILL EVACUATED/CLEARED

Daily Information

08/23/2021

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

21-01600 Request Summary (Guardian Helicopters)

06:00 - LZ LZ 38 54.73'N <no headquarters> <no county> 1200 ft
121 05.66'W

--- - Work Location

PLACER 1103 12KV 38 54.57'N Line #: 100075249 SIERRA <no county> 1090 ft
121 06.40'W

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2200.0 lbs
Special Equipment	---	Billing Number	35088907-5300 100%
Comments	---	Req. Notifications	---

Talk About #	WILSON 1	Talk Group	WILSON 1	Talk Radio #	WILSON 1
CC Recipients	EWC8@PGE.COM				

21-01600 (Guardian Helicopters) - 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 06:00 -14:00 UH-1H LZ 38 54.73'N 121 05.66'W	24	25	26	27	28
29	30	31				
5	6	7	8	9	10	11
12						



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 #: 21-01600ADDRESS: N VERNON RD CITY: AUBURN STATE: CALZ STAGING AREA 38°54'45.73"N 121° 5'40.98"W100075249 38°54'34.23"N 121° 6'23.95"WSEE ATTACHED FLIGHT REQUEST AND KMZ FILECONTACT REQUESTOR: TRAVIS SANDERSPHONE#: 503-953-5884CONTACT FORMAN: MAX VINYARDPHONE#: 503-347-5612

PILOT'S NAME(S):

- | | |
|-------------------------|------------------------|
| 1. <u>JOHN OLSON</u> | CERT #: <u>2769166</u> |
| 2. <u>BUCKEY MACKAY</u> | CERT #: <u>2778051</u> |
| 3. <u>MICHAEL KLINK</u> | CERT#: <u>3018828</u> |
| 4. <u>IAN GOODALE</u> | CERT#: <u>3741973</u> |
| 5. <u>ROSS GOULET</u> | CERT#: <u>3396777</u> |

TYPE 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: 45 CL 1 2100 LBS MAX LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐ AERODYNAMIC ☒NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 150 FT (LENGTH) OPERATIONALALTITUDE: < 250 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
8-23-2021	SUNRISE	SUNSET	8-12-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
AUBURN POLICE DEPARTMENT	530-823-4237	DISPATCH	NOTIFIED
PLACER COUNTY FIRE DEPARTMENT	530-823-4155	DISPATCH	NOTIFIED

Evacuation☒ No Evacuated Structures☐ Evacuated StructuresCrowd Control☒ Operator☒ ContractorStreet Closure☒ Yes ☐ No☒ 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
NO EVACUATIONS	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. HELICOPTERS WILL LAND AT THE LZ TO CONDUCT A TAILBOARD
2. WATER TRUCK IS REQUIRED AT LZ
3. NOTIFY LOCAL HOME OWNERS ABOUT HELICOPTER OPERATIONS
4. N VERNON ROAD AND VADA RANCH ROAD WILL BE CLOSED DURING OPERATIONS
5. ALL BUILDINGS WITHIN 300 FT OF STRUCTURE OR FLIGHT PATH SEE DIAGRAM BELOW
6. CONTRACTOR WILL PROVIDE TREE TRIMMING AS 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)	





8-12-2021
DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator