

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: *Tulare/County*

- ☐ SAFETY BRIEF SIGN IN *P6E 21-01872*
- ☐ GHI CREW INTRODUCTION *N498PT*
- ☐ IS A TRANSLATOR REQUIRED *(1) 50 CCL 4 1600 LBS*
- ☐ WORK STOP AUTHORITY *NON CAP*
- ☐ DESIGNATE A 911 CALLER *(2) LZ*
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES *Bring extra Radios*
- ☐ 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

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

21-01872 Request Summary (Guardian Helicopters)



Requestor	Ashley M Bloom	Request Date	08/18/2021
LAN ID	AQB0	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	Cargo
Cell	(707) 317-3009	For Contractor	Yes
LOB	Electric GC Distribution		OUTSOURCE
Vendor	Guardian Helicopters		UCC

Work Dates

08/22/2021 AS350B2

Approver

Supervisor Garrett C Triffon (GCT6)

GCT6@pge.com

(C)

Scope of Work

FRESNO COUNTY - TULARE COUNTY

DUNLAP 1103

SAND CREEK 1103

CAP - NIL

DISPATCH NOTIFICATIONS - NIL

USFS/NATIONAL PARK TERRITORY - NIL

NOTIFICATIONS MADE - NIL

THIRD PARTY - OUTSOURCE UCC

CONTACTS -

REQUESTOR/FOREMAN - CHRIS SMITH - 714.299.3450

PGE PM - TOM BURKS TEB0

SCOPE - TAILBOARD AT LZ 1 WITH ALL THREE CREWS. ONE CREW AT EACH POLE LOCATION. TRANSPORT POLES, TOOLS AND ROCK BAGS FROM LZ1 TO DUNLAP WORK LOCATIONS FOR POLE REPLACEMENTS. TRANSITION TO LZ 2, TRANSPORT POLE FROM LZ 2 TO WORK LOCATION FOR REPLACEMENT. 50' CL4 WOOD - 1600LBS. 1/2 ROCK BAGS - 1000LBS.

LZ/WORK LOCATION INFORMATION -

LZS OK, NO OBSTRUCTIONS. LZ DIAMETERS VERIFIED FOR TYPE 3 AIRCRAFT - 100FT. WORK LOCATIONS OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AS NEEDED.

Daily Information

08/22/2021

Reason for Request in Less than 10 Days:

Break-In Work/Short Duration Scheduled Work

Asset Category: LIGHT

Asset Type: AS350B2

Locations

21-01872 Request Summary (Guardian Helicopters)

07:00 - LZ	LZ 1	36 45.21'N 119 07.82'W	<no headquarters>	<no county>	2100 ft
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--- - Work Location

DUNLAP 1103 12KV	36 45.43'N 119 07.42'W	Line #: 100761702	FRESNO	<no county>	2400 ft
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--- - Work Location

DUNLAP 1103 12KV	36 44.95'N 119 06.96'W	Line #: 100761777	FRESNO	<no county>	2250 ft
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--- - Work Location

LZ 2	36 37.30'N 119 01.96'W		<no headquarters>	<no county>	2525 ft
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--- - Work Location

SAND CREEK 1103 12KV	36 37.33'N 119 01.72'W	Line #: 100682493	FRESNO	<no county>	2625 ft
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Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (AS350B2)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1700.0 lbs
Special Equipment	Cargo Fly Baskets	Billing Number	35257620-5300 100%
Comments	---		35258048-5300 100%
			35257147-5300 100%
		Req. Notifications	---

Talk About #	VENDOR TO PROVIDE RADIOS	Talk Group	VENDOR TO PROVIDE RADIOS	Talk Radio #	VENDOR TO PROVIDE RADIOS
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21-01872 (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 07:00 -15:00 AS350B2 LZ 1 36 45.21'N 119 07.82'W	23	24	25	26	27	28
29	30	31				
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 HECWORK ORDER #: 21-01872ADDRESS: E KING CANYON AND WILDHOG CANYON RD CITY: DULAP STATE: CADULAP LZ 36°45'14.35"N 119° 7'49.95"W100761702 36°45'25.77"N 119° 7'24.86"W100761777 36°44'56.53"N 119° 6'57.64"WLZ 2 36°37'17.44"N 119° 1'56.96"W119° 1'56.96"W 36°37'20.78"N 119° 1'42.74"WSEE ATTACHED FLIGHT REQUEST AND KMZ FILECONTACT REQUESTOR: CHRIS SMITHPHONE#: 714-299-3450CONTACT FORMAN: CHRIS SMITHPHONE#: 714-299-3450

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: 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: 50 CL4 1600 LBS ROCK 1000 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
8-22-2021	SUNRISE	SUNSET	8-15-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
FRESNO COUNTY SHERIFF	559-332-2226	DISPATCH	NOTIFIED
CAL FIRE SAND CREEK DEPARTMENT	559-338-2312	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 DULAP LZ 1 TO CONDUCT TAILBOARD
2. WATER TRUCK IS REQUIRED AT BOTH LZ
3. POLES WILL BE LIFTED FROM THE CLOSEST LZ TO POLE SITE
4. NO STREET CLOSURES
5. ALL BUILDINGS WITHIN 300 FT OF STRUCTURE OR FLIGHT PATH SEE DIAGRAM BELOW
6. CONTRACTOR WILL PROVIDE TREE TRIMMING AS REQUIRED
7. HELICOPTER WILL FLY FROM LZ 1 TO LZ 2 CONTRACTOR WILL PROVIDE GROUND CREW FOR SECOND LZ CUSTOMER IS REQUESTING EXTRA RADIOS

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)	







8-16-2021

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator