

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

- ☐ SAFETY BRIEF SIGN IN PG 3 E 20-01486 8-19-2020
8-20-2020
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED HEC, Pole 1850LBS Largest
- ☐ WORK STOP AUTHORITY Non-cap
- ☐ 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

Tailboard & Helicopter Safety Briefing

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

20-01486 Request Summary (Guardian Helicopters)



Requestor	Steven T Finegan	Request Date	07/29/2020
LAN ID	STF8	Work Type	Lift Work
Phone	(805) 459-1697	Lift Work Type	HEC -
Cell	(805) 459-1697		Non-Energized
LOB	Electric GC Distribution	Emergency Work	No
Vendor	Guardian Helicopters	For Contractor	No

Work Dates

08/19/2020 - 08/20/2020 BELL 407

Approver	Superintendent Helen M Santoro (HMM2)	HMM2@PGE.COM	(C) (408) 204-6987
Foreman	Robert E Rael (RERB)	(P) (805) 459-7148	(C) (805) 459-7148

Scope of Work SAN LUIS OBISPO COUNTY
PERRY 1101
CAP- NIL
DISPATCH NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
APPROVAL RECEIVED- NIL

SCOPE- REPLACE 2 POLES 45' CL. 2 AT ROUGHLY 1,850LBS. AND REPLACE
CROSSARMS AT A 3RD LOCATION.

8/19 WILL BE HEC TO 2 POLE LOCATIONS TO DIG HOLES.

8/20 WILL BE HEC TO ALL 3 LOCATIONS AND SET POLES

DISTRIBUTION LINE WILL BE ENERGIZED ON 8/19. LINE WILL BE DE-ENERGIZED ON 8/20

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS. LZ APPROVAL RECEIVED.
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 100 FEET DIAMETER

MULTIPLE WLS- OK, NO OBSTRUCTIONS.

Daily Information

08/19/2020 - 08/20/2020

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ	35 34.82'N 120 57.99'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

20-01486 Request Summary (Guardian Helicopters)

--- - Work Location

PERRY 1101 35 35.04'N Line #: SAP ID 101947970<no headquarters> <no county> 1430 ft
120 57.69'W

Dust/Snow Mitigation Plan: Surface is composed of low vegetative cover.

--- - Work Location

PERRY 1101 35 35.19'N Line #: SAP ID 101860206<no headquarters> <no county> 1821 ft
120 57.45'W

Dust/Snow Mitigation Plan: Surface is composed of low vegetative cover.

--- - Work Location

PERRY 1101- CROSSARM 35 35.22'N Line #: SAP ID 101860205<no headquarters> <no county> 2150 ft
CHANGE 120 57.27'W

Dust/Snow Mitigation Plan: Surface is composed of low vegetative cover.

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (2)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1850.0 lbs
Special Equipment	---	Billing Number	35098454-5300 50%
Comments	---		35169048-5300 50%
		Req. Notifications	---

Talk About #	107	Talk Group	107	Talk Radio #	107
CC Recipients	NTM5@pge.com;RERb@pge.com				

20-01486 (Guardian Helicopters) - August 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
			08:00 -16:00 BELL 407 LZ 35 34.82°N 120 57.99°W	08:00 -16:00 BELL 407 LZ 35 34.82°N 120 57.99°W		
23	24	25	26	27	28	29
30	31	1	2	3	4	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 HEC. POLES CARGO WORK ORDER #: 20-01486
ADDRESS: SANTA ROSA CREEK RD : CAMBRIA CA
LZ LATITUDE 35°34'49.20"N 120°57'59.18"W ELEV 1400 FT
101947970 LATITUDE 35°35'2.40"N LONGITUDE 120°57'41.40"W 45 CL 2 1850 LBS
101860206 LATITUDE 35°35'11.40"N LONGITUDE 120°57'27.00"W 45 CL 2 1850 LBS
101860205 LATITUDE 35°35'13.20"N LONGITUDE 120°57'16.20"W ARMS REPLACEMENT

CONTRACTOR'S NAME: HELEN M SANTORO PHONE#: 408-204-6987
CONTRACTOR'S NAME: ROBERT RAEI PHONE#: 805-459-7148

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 HEC CARGO POLES

MAX SINGLE – LIFT WEIGHT: 1850 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)



NON- Congested Area Plan (Continued)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
8-19-2020 HEC ONLY	SUNRISE	SUNSET	8-13-2020
8-20 -2020HEC POLE	SUNRISE	SUNSET	8-13-2020
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SAN LUIS OBISPO COUNTY SHERIFF DEPARTMENT	805-434-4290	DISPATCH	NOTIFY
CAMBRIA FIRE DEPARMENT	805-927-6240	DISPATCH	NOTIFY

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
REMOTE NO EVACUATIONS	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 AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LANDING ZONES
3. PILOT WILL FLY LOW RECON PRIOR TO OPERATIONS
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. NO EVACUATION
7. NO STREET 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. Jentura