

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

- ☐ SAFETY BRIEF SIGN IN *PGE 21-02479*
- ☐ GHI CREW INTRODUCTION *HEC (Cargo less 1000LBS*
- ☐ IS A TRANSLATOR REQUIRED *NON CAP*
- ☐ WORK STOP AUTHORITY *N4476H*
- ☐ 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



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF
- ☐ HEC SAFETY BRIEF SIGN IN
- ☐ INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET
- ☐ WORK STOP AUTHORITY
- ☐ PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)
- ☐ HARNESS, FITMENT, CONDITION AND LOAD LIMIT
- ☐ PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)
- ☐ BUDDY /SELF CHECK
- ☐ COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)
- ☐ NO EQUIPMENT WILL BE TRANSPORTED DURING HEC
- ☐ HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION
- ☐ INSERTION POINT AND AREA HAZARDS
- ☐ HEC ATTACH ZONE AND WAITING AREA
- ☐ EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)
- ☐ NO CELL PHONE OR CAMERA USED DURING HEC

Tailboard & Helicopter Safety Briefing

Pilot:

Location:**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

21-02479 Request Summary (Guardian Helicopters)



Requestor	Kristopher Jay Banzon	Request Date	10/01/2021
LAN ID	KJBS	Work Type	Lift Work
Phone	(707) 835-4153	Lift Work Type	HEC -
Cell	(707) 835-4153	For Contractor	Non-Energized
LOB	Electric Transmission Line		Yes
Vendor	Guardian Helicopters		PAR

Work Dates

11/19/2021 - 11/20/2021 BELL 407

Approver	Superintendent Pete M Dominguez (Px D1)	PXD1@PGE.COM	(C) (805) 459-6255
Foreman	Erik Ingraham (EXIB)	(P) (832) 451-5414	(C) (832) 451-5414

Scope of Work MONTEREY COUNTY
COBURN-LAS AGUILAS SW STA
CAP- NIL
DISPATCH NOTIFICATIONS- SOLEDAD CTF/ SVSP

USFS/NATIONAL PARK TERRITORY- NIL
APPROVAL RECEIVED- NIL

SCOPE- HEC MEN TOOLS AND MATERIALS FOR INSULATOR REPLACEMENT.

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS. LZ APPROVAL RECEIVED.
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 80 FEET DIAMETER

WORK LOCATION(S)- OK, NO OBSTRUCTIONS. NOTE HILL TERRAIN.

DUST/ TRAFFIC MITIGATION TO BE PROVIDED BY CONTRACTOR/PG&E.

Daily Information

11/19/2021 - 11/20/2021

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ- 3	36 27.65'N 121 19.54'W	<no headquarters>	<no county>
-------------------	-------	---------------------------	-------------------	-------------

Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

20257 COBURN-LAS AGUILAS SW STA	36 28.34'N 121 19.14'W	Line #: C019/074	MOSSLNDG	<no county>	1052 ft
---------------------------------	---------------------------	------------------	----------	-------------	---------

21-02479 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan:

Surface is composed of low vegetative cover.

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	Grapple, HEC Gear	Billing Number	31527944 100%
Comments	**HEC NOT TO EXCEED 600LBS. 2. Request the pilot to contact Erik Ingraham, 2-3 days before the scheduled work.	Req. Notifications	---

Talk About #	105	Talk Group	105	Talk Radio #	105
CC Recipients	EXIB@PGE.COM;KJBS@pge.com;KJG9@PGE.COM;MCB9@pge.com;PXD1@PGE.COM				

21-02479 (Guardian Helicopters) - November 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
					08:00 -16:00 BELL 407 LZ- 3 36 27.65'N 121 19.54'W	08:00 -16:00 BELL 407 LZ- 3 36 27.65'N 121 19.54'W
21	22	23	24	25	26	27
28	29	30	1	2	3	4
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 HEC AND CARGO WORK ORDER #: 21-02479

ADDRESS: SAN VICENTE RD CITY: SOLEDAD STATE: CA

LZ STAGING AREA 36°27'38.97"N121°19'32.27"W

C019/074 36°28'20.40"N 121°19'8.40"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: PETE DOMINGUEZ PHONE#: 805-459-6255

CONTACT FORMAN: ERIK INGRAHAM PHONE#: 832-451-5414

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

BELL 205A1 N# N211GH 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: HEC CARGO LESS 1000 LBS LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 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
11-19-2021	SUNRISE	SUNSET	11-1-2021
11-20-2021	SUNRISE	SUNSET	11-1-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SOLEDAD FIRE DEPARTMENT	831-678-2054	DISPATCH	NOTIFIED
COALINGA POLICE DEPARTMENT	559-935-2313	STATION 2	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
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 LZ TO CONDUCT A TAILBOARD AND HEC TRAINING
2. IF REQUIRED A WATER TRUCK WILL BE PROVIDED FOR THE LZ
3. CARGO WILL BE SET IN OPEN AREA NEAR LZ
4. NO EVACUATIONS REQUIRED
5. NO STREET CLOSURES 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)	





11-10-2021

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator