

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 22-01309, PGE
- ☐ GHI CREW INTRODUCTION NY076H
- ☐ IS A TRANSLATOR REQUIRED NON CAP HEC/Insulators
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER 6-28 Thru 6-29 Position log on 6-28-2022
- ☐ 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

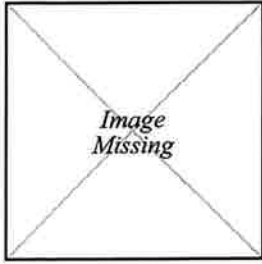
PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ **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**

Non-compliance with established procedures may result in your removal from the mission

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

22-01309 Request Summary



Requestor	Kristopher Jay Banzon	Request Date	06/04/2022
LAN ID	KJBS	Work Type	Lift Work
Phone	(707) 835-4153	Lift Work Type	HEC -
Cell	(707) 835-4153	For Contractor	No
LOB	Electric Transmission Line		
Vendor	Guardian Helicopters		

Work Dates

06/20/2022 - 06/29/2022 BELL 407

Approver	Superintendent Michael E Willey (MEWK)	MEWk@pge.com	(C) (916) 804-4526
Foreman	Roger E Lopez (REL0)	(P) (831) 212-3032	(C) (831) 212-3032

Scope of Work SANTA CLARA COUNTY
TESLA-METCALF 500 KV
CAP- NIL
RQD NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

SCOPE- HELICOPTERS TO TRANSPORT WORKERS, TOOLS, AND MATERIALS TO WL'S FOR INSULATOR REPLACEMENT. **PAIRS WITH 2ND HEC SHIP ON R1109, SCHEDULED WITH PJ'S**

LZ/WORK LOCATION INFORMATION-

LZ- OK, DIRT FIELD WITHIN 300 FT OF ROAD AND JUST OVER 300 FT OF NEIGHBORHOOD. HELICOPTERS TO REMAIN 300 FT FROM HOMES.
PER REQUESTER, LZ IS APPROVED AND WATER TRUCK WILL BE ON SITE.
LZ DIAMETER VERIFIED FOR TYPE (2) 2 AIRCRAFT- 175 FEET DIAMETER

WL- OK, WITHIN FOOTHILLS AND WILL REQUIRE PAVED/DIRT ROAD CROSSINGS FROM LZ TO WL'S. OTHER TRANSMISSION CIRCUIT RUNNING PARALLEL.

PER REQUESTER, TRAFFIC MITIGATION WILL BE IN PLACE

Daily Information

06/20/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

12:00 - LZ	POSITION LEG	<no lat/lon>	<no headquarters>
Dust/Snow Mitigation Plan:		Surface will have water applied prior to landing.	

Est. Use Hours	3.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	Grapple, HEC Gear	Billing Number	74010757-6900 100%
Comments	Request pilot/s to contact crew lead	Req. Notifications	---

22-01309 Request Summary

2-3 days prior to start of the work.

Roger Lopez: 831-212-3032

22-01309 Request Summary

06/21/2022 - 06/29/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ- SAN FELIPE RD LZ	37 16.07'N 121 44.28'W	<no headquarters>	<no county>	
Dust/Snow Mitigation Plan:		Surface will have water applied prior to landing.			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 19.06'N 121 41.55'W	Line #: 028/116	METCALF	<no county>	1620 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 18.58'N 121 41.98'W	Line #: 029/119	METCALF	<no county>	1640 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 18.14'N 121 42.39'W	Line #: 029/122	METCALF	<no county>	2180 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 17.87'N 121 42.63'W	Line #: 030/123	METCALF	<no county>	2131 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 17.74'N 121 42.69'W	Line #: 030/124	METCALF	<no county>	2183 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 17.66'N 121 42.73'W	Line #: 030/125	METCALF	<no county>	2126 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 15.94'N 121 43.58'W	Line #: 032/133	METCALF	<no county>	1214 ft
Dust/Snow Mitigation Plan:		---			
--- - Work Location					
50018 TESLA-METCALF 500 KV	37 15.74'N 121 43.66'W	Line #: 032/134	METCALF	<no county>	1050 ft
Dust/Snow Mitigation Plan:		---			

Talk About #	105	Talk Group	105	Talk Radio #	105
CC Recipients	ADJ9@pge.com;KJBS@pge.com;KJG9@PGE.COM;MEWk@pge.com;REL0@pge.com				

22-01309 - June 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20 12:00 -15:00 BELL 407 POSITION LEG	21 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	22 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	23 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	24 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	25 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W
26 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	27 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	28 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	29 08:00 -16:00 BELL 407 LZ- SAN FELIPE RD LZ 37 16.07'N 121 44.28'W	30	1	2
3	4	5	6	7	8	9



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 INSULATORS WORK ORDER #: 22-01309

ADDRESS: SAN FELIPE RD CITY: SAN JOSE STATE: CA

LZ 37°16'3.82"N 121°44'17.73"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: MICHAEL E WILLEY PHONE#: 916-804-4526

CONTACT FORMAN: ROGER LOPEZ PHONE#: 831-212-3032

PILOT'S NAME(S) 1. MICHAEL KLINK CERT#: 3018828
2. BUCKEY MACKAY CERT #: 2778051
3. IAN GOODALE CERT#: 3741973
4. ROSS GOULET CERT#: 3396777
5. TREVOR NEEDHAM CERT#: 3597668

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 407 N# N999GH A/C CATEGORY: STANDARD
BELL 407 N# N111GH 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
AS350BA N# N55TV 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: **CARGO PASSENGER** LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) (YES) **XXX 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
6-20 THRU 6-29-2022	SUNRISE	SUNSET	6-9-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
		DISPATCH	NOTIFIED
		DISPATCH	NOTIFIED

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

Crowd Control

☒ Operator

☒ Contractor

Street Closure

☒ Yes ☐ No

☒ Contractor

☐ Operator



Part 135 GH 4A Part 133 GH 4L

NON-Congested Area Plan

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 EVACUATION	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.

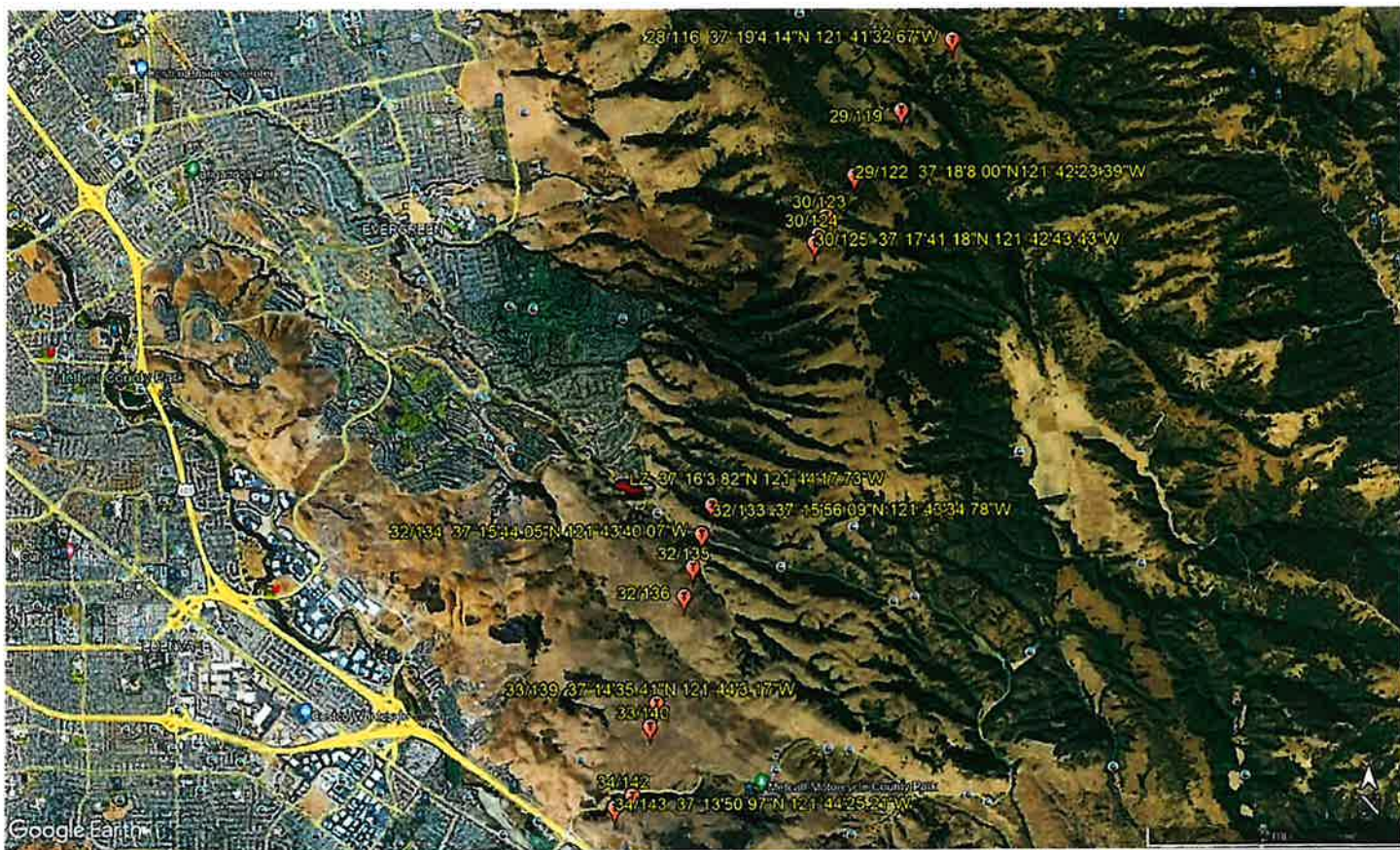
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. HELICOPTER WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LZ STAGING AREA
3. SAN FELIPE RD WILL EXPERIENCE INTERMITTANT CLOSURE
4. REMOTE AREA NO EVACUATIONS

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)	





6-10-2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator