

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Templeton CA*

- ☐ SAFETY BRIEF SIGN IN *11/23/2021*
- ☐ GHI CREW INTRODUCTION *PGE 21-02189 UH or BHT 205*
- ☐ IS A TRANSLATOR REQUIRED *21-02146 AS350B2*
- ☐ WORK STOP AUTHORITY *HEC cargo pole 50 C12 2400 LBS*
- ☐ DESIGNATE A 911 CALLER *NON-CAP*
- ☐ 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	☐ 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
	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	



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 POLE SET WORK ORDER #: 21-02146 21-02189

ADDRESS: SANTA ROSA CREEK RD & GREEN VALLEY RD CITY: TEMPLETON STATE: CA
LZ STAGING AREA 35°32'40.79"N 120°52'8.39"W

101900813 35°32'27.03"N 120°50'8.97"W

101900814 35°32'18.01"N 120°50'24.20"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: HELEN SANTORO PHONE#: 408-204-6987

CONTACT FORMAN: ANDREW DOMINGUEZ PHONE#: 805-459-9140

PILOT'S NAME(S):

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

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 50 CL 1 2400 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
11-23-2021	SUNRISE	SUNSET	11-1-2021
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
SLO COUNTY SHERIFF DEPARTMENT	805-434-4290	DISPATCH	NOTIFIED
TEMPLETON FIRE DEPARTMENT	805-434-4911	DISPATCH	NOTIFIED



Part 135 GH 4A Part 133 GH 4L

NON Congested Area Plan

Crowd Control

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

☒ 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
NO EVACUATIONS	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.

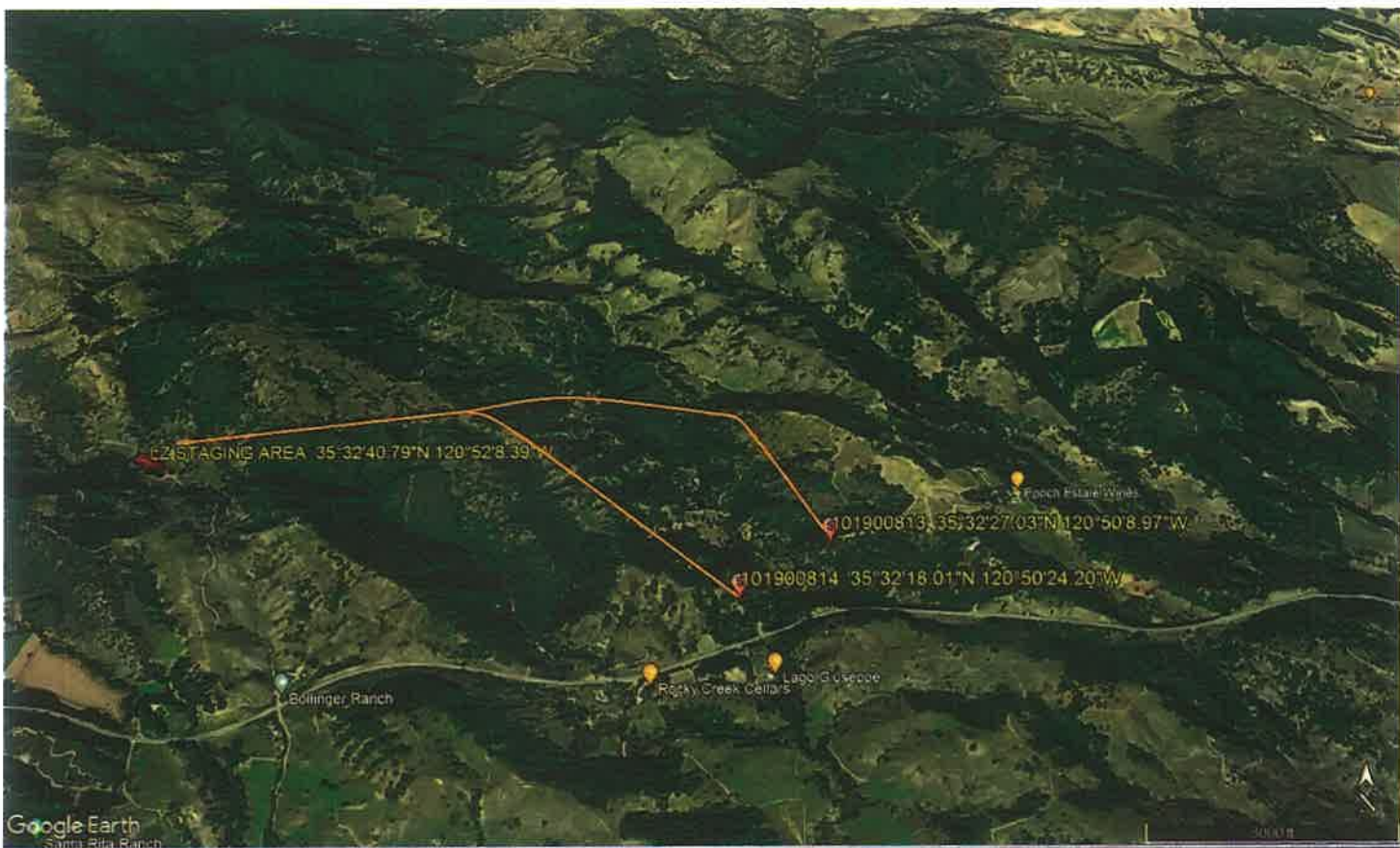
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

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

1. BOTH 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. POLE AND CARGO WILL BE SET IN OPEN AREA NEAR LZ
4. NO EVACUATIONS
5. NO STREET CLOSURES

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)	









11-16-2021

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator

21-02146 Request Summary (Guardian Helicopters)



Requestor	Maximiliano Figueroa	Request Date	09/08/2021
LAN ID	M5FC	Work Type	Lift Work
Phone	(805) 556-2012	Lift Work Type	HEC -
Cell	(805) 556-2012		Non-Energized
LOB	Electric GC Distribution	For Contractor	No
Vendor	Guardian Helicopters		

Work Dates

11/23/2021 AS350B2

Approver

Superintendent Helen M Santoro (HMM2)

HMM2@PGE.COM

(C) (408) 204-6987

Foreman

Andrew M Dominguez (AMDQ)

(P) (805) 459-9140

(C) (805) 459-9140

Scope of Work

SAN LUIS OBISPO COUNTY
TEMPLETON 2110

CAP - NIL

DISPATCH NOTIFICATIONS - NIL

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

SCOPE - HEC || LONG LINE MEN AND MATERIALS FROM LZ TO WORK LOCATIONS FOR
POLE REPLACEMENTS.

CARGO SHIP ON SITE - R2189.

LZ/WORK LOCATION INFORMATION -

LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 3 & 2 AIRCRAFTS - 200FT.
WORK LOCATIONS OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AS NEEDED. AIRCRAFT TO
REMAIN 300' FROM HOME AT LZ.

Daily Information

11/23/2021

Asset Category: LIGHT

Asset Type: AS350B2

Locations

07:30 - LZ	LZ	35 32.68'N 120 52.14'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

TEMPLETON 2110 21KV	35 32.30'N 120 50.40'W	Line #: SAP ID: 101900814	LOS PADRES	<no county>	1263 ft
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21-02146 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan:

Surface will have water applied prior to landing.

--- - Work Location

TEMPLETON 2110 21KV 35 32.45'N Line #: 101900813 LOS PADRES <no county> 1400 ft
120 50.15'W

Dust/Snow Mitigation Plan:

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	Grapple, Cargo Fly Baskets, HEC	Billing Number	35274256-5300 100%
	Gear	Req. Notifications	---
Comments	---		

Talk About #	107	Talk Group	107	Talk Radio #	107
CC Recipients	AMDq@pge.com;DCSh@pge.com;l1A2@pge.com;JOCc@pge.com				

21-02146 (Guardian Helicopters) - November 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 07:30 -15:30 AS350B2 LZ 35 32.68'N 120 52.14'W	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12						

21-02189 Request Summary (Guardian Helicopters)



Requestor	Maximiliano Figueroa	Request Date	09/10/2021
LAN ID	M5FC	Work Type	Lift Work
Phone		Lift Work Type	Cargo
Cell	(805) 556-2012	For Contractor	No
LOB	Electric GC Distribution		
Vendor	Guardian Helicopters		

Work Dates

11/23/2021 BELL 205

Approver	Supervisor Helen M Santoro (HMM2)	HMM2@PGE.COM	(C) (408) 204-6987
Foreman	Andrew M Dominguez (AMDQ)	(P) (805) 459-9140	(C) (805) 459-9140

Scope of Work SAN LUIS OBISPO COUNTY
TEMPLETON 2110
CAP - NIL
DISPATCH NOTIFICATIONS - NIL

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

SCOPE - TRANSPORT POLES FROM LZ TO WORK LOCATIONS FOR POLE
REPLACEMENTS. WRECK OUT OLD POLES. 50' CL 1 WOOD - 2400LBS.

HEC SHIP ON SITE - R2146.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 3 & 2 AIRCRAFTS - 200FT.
WORK LOCATIONS OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AS NEEDED. AIRCRAFT TO
REMAIN 300' FROM HOME AT LZ.

Daily Information

11/23/2021

Asset Category: MEDIUM

Asset Type: BELL 205

Locations

07:30 - LZ	LZ	35 32.68'N 120 52.14'W	<no headquarters>	<no county>	1350 ft
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--- - Work Location

TEMPLETON 2110 21KV	35 32.30'N 120 50.40'W	Line #: SAP ID: 101900814	LOS PADRES	<no county>	1263 ft
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21-02189 Request Summary (Guardian Helicopters)

--- - Work Location

TEMPLETON 2110 21KV 35 32.45'N Line #: 101900813 LOS PADRES <no county> 1400 ft
120 50.15'W

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2500.0 lbs
Special Equipment	Grapple, Cargo Fly Baskets,	Billing Number	35274256-5300 100%
Comments	---	Req. Notifications	---

Talk About #	107	Talk Group	107	Talk Radio #	107
CC Recipients	AMDq@pge.com;DCSh@pge.com;l1A2@pge.com;JOCc@pge.com				

21-02189 (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
21	22	23 07:30 -15:30 BELL 205 LZ 35 32.68'N 120 52.14'W	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12						