

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
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ WORK STOP AUTHORITY
- ☐ 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

Lebec / Hwy 5
21-01722 Flight/Lebec 8-10-2021
21-01604 HEC 8-11-2021
NON-CAP
PGE

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

[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

21-01604 Request Summary (Guardian Helicopters)



Requestor	Robert J Greenwood	Request Date	07/29/2021
LAN ID	RJGU	Work Type	Lift Work
Phone	(661) 670-0168	Lift Work Type	HEC -
Cell	(661) 670-0168		Non-Energized
LOB	Electric Transmission	For Contractor	No
	Line		
Vendor	Guardian Helicopters		

Work Dates

08/10/2021 - 08/11/2021 AS350B2

Approver Foreman

Superintendent Pete M Dominguez (PXD1)
Mark S Stacy (MSSY)

PXD1@PGE.COM
(P) (661) 401-8896

(C) (805) 459-6255
(C) (661) 401-8896

Scope of Work

KERN COUNTY
TEJON-LEBEC 70 KV
CAP- NIL
RQD NOTIFICATIONS-WIND GAP PP

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

SCOPE- HELICOPTER TO TRANSPORT MEN, MATERIALS, TOOLS TO VARIOUS WORK
LOCATIONS (SEE COMMENTS FOR EXACT WORK FOR EACH STRUCTURE).

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS | ELEVATION 4400 FEET.
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 75 FEET DIAMETER

WL'S- OK, ALL ARE ON A HILL WITH A SLOPE AND WITHIN PROXIMITY TO HWY.

REQUESTER TO ENSURE TRAFFIC MITIGATION IN PLACE FOR ALL WL'S

Daily Information

08/10/2021

Asset Category: LIGHT

Asset Type: AS350B2

Locations

12:00 - LZ	LZ- TEJON-LEBEC	34 53.10'N 118 56.42'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

TRAINING WITH PILOT AND CREW	<no lat/lon>	<no headquarters>
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21-01604 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan: ----

Est. Use Hours	4.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (AS350B2)	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	---	Billing Number	44817798 100%
Comments	8/147- LINEMAN WILL BE IN SKY CHAIR OR HARNESS TO TIGHTEN LOOSE HARDWARE AND REMOVING POLE BUTT'S AND RETURNING TO LZ TO DROP OFF.	Req. Notifications	---

8/148- INSTALLING ARMOR ROD TO CONDUCTOR OUT OF SKY CHAIR OR HARNESS .

8/151- FLY LINEMAN TO LOCATION AND DROP OFF TO TIGHTEN LOOSE DOWN GUY'S WITH TOOLS THEN FLY UP TO KNOCK IN COTTER KEY ON DEAD END SHOE.

9/153- FLY LINEMAN TO LOCATION AND DROP THEM OFF TO TIGHTEN LOOSE DOWN GUYS WITH TOOLS.

9/155- FLY LINEMAN TO LOCATION AND DROP THEM OFF TO TIGHTEN LOOSE DOWN GUYS WITH TOOLS.

9/161- FLY LINEMAN TO LOCATION AND DROP THEM OFF TO INSTALL COTTER KEY ON DEAD END.

9/163- FLY MATERIALS, TOOLS, HARDWARE, AND LINEMAN IN AIR CHAIR TO INSTALL DAMPNER'S ON LINE.

21-01604 Request Summary (Guardian Helicopters)

08/11/2021

Asset Category: LIGHT

Asset Type: AS350B2

Locations

06:30 - LZ	LZ- TEJON-LEBEC	34 53.10'N 118 56.42'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 53.35'N 118 54.71'W	Line #: 9/163	MIDWAY	<no county>	2820 ft
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Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 54.28'N 118 55.49'W	Line #: 8/147	MIDWAY	<no county>	2470 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 54.20'N 118 55.46'W	Line #: 8/148	MIDWAY	<no county>	2575 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 53.97'N 118 55.42'W	Line #: 8/151	MIDWAY	<no county>	2625 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 53.76'N 118 55.30'W	Line #: 9/153	MIDWAY	<no county>	2727 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 53.57'N 118 55.14'W	Line #: 9/155	MIDWAY	<no county>	2784 ft
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Dust/Snow Mitigation Plan: ---

--- - Work Location

70085 TEJON-LEBEC 70 KV	34 53.39'N 118 54.87'W	Line #: 9/161	MIDWAY	<no county>	2772 ft
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Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (AS350B2)	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	---	Billing Number	44817798 100%
Comments	8/147- LINEMAN WILL BE IN SKY CHAIR OR HARNESS TO TIGHTEN LOOSE HARDWARE AND REMOVING POLE BUTT'S AND RETURNING TO LZ TO		
		Req. Notifications	---

21-01604 Request Summary (Guardian Helicopters)

DROP OFF.

8/148- INSTALLING ARMOR ROD
TO CONDUCTOR OUT OF SKY
CHAIR OR HARNESS .

8/151- FLY LINEMAN TO
LOCATION AND DROP OFF TO
TIGHTEN LOOSE DOWN GUY'S
WITH TOOLS THEN FLY UP TO
KNOCK IN COTTER KEY ON
DEAD END SHOE.

9/153- FLY LINEMAN TO
LOCATION AND DROP THEM OFF
TO TIGHTEN LOOSE DOWN
GUYS WITH TOOLS.

9/155- FLY LINEMAN TO
LOCATION AND DROP THEM OFF
TO TIGHTEN LOOSE DOWN
GUYS WITH TOOLS.

9/161- FLY LINEMAN TO
LOCATION AND DROP THEM OFF
TO INSTALL COTTER KEY ON
DEAD END.

9/163- FLY MATERIALS, TOOLS,
HARDWARE, AND LINEMAN IN
AIR CHAIR TO INSTALL
DAMPNER'S ON LINE.

Talk About #
CC Recipients

108
RSN5@pge.com

Talk Group

108

Talk Radio #

108

21-01604 (Guardian Helicopters) - August 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10 12:00 -16:00 AS350B2 LZ- TEJON-LEBEC 34 53.10'N 118 56.42'W	11 06:30 -14:30 AS350B2 LZ- TEJON-LEBEC 34 53.10'N 118 56.42'W	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12						

21-01722 Request Summary



Requestor	Robert J Greenwood	Request Date	08/09/2021
LAN ID	RJGU	Work Type	Recon Flight
Phone	(661) 670-0168	For Contractor	No
Cell	(661) 670-0168		
LOB	Electric Transmission		
	Line		
Vendor	Guardian Helicopters		

Work Dates

08/10/2021 AS350B2

Approver

Supervisor Pete M Dominguez (PXD1)

PXD1@PGE.COM

(C) (805) 459-6255

Daily Information

08/10/2021

Asset Category: LIGHT

Asset Type: AS350B2

Locations

10:00 - Pick Up Location	LZ - TEJON-LEBEC	34 53.10'N 118 56.42'W	<no headquarters>	<no county>
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1. Mark S Stacy (MSSy)	210 lbs	(C) <none> TECH-0002 Expires 06/01/2023	TECH-0002: Y	Front Seat: N
2. Dylan T Maxwell (DTME)	220 lbs	(C) (661) 377-8233 TECH-0002 Expires 04/19/2022	TECH-0002: Y	Front Seat: N

Total Passenger Weight: 430.0 lbs

TEJON-LEBEC JOBSITE EVALUATION TO ASSESS WORK TO BE PERFORMED ON REQUEST 1604.	<no lat/lon>	MIDW Kern AY Co.	219 str.	Order #44817798
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Same passengers as previous

Est. Use Hours	6.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (AS350B2)	Over Water	No
Doors Off	No	Special Equipment	---
Comments	RECON FLIGHT TO EVALUATE PROJECT SCOPE FOR R1604.	Req. Notifications	---

CC Recipients

MSSy@pge.com;RSN5@pge.com

21-01722 - August 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10 10:00 -16:00 AS350B2 LZ - TEJON-LEBEC 34 53.10'N 118 56.42'W	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12						



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 RECON WORK ORDER #: 21-01604 21-01722

ADDRESS: 5 FREEWAY CITY: LEBEC STATE: CA

FOR EXACT LOCATION SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: ROBERT GREENWOOD PHONE#: 661-670-0168

CONTACT FORMAN: MARK STACY PHONE#: 661-401-8896

PILOT'S NAME(S):

- | | |
|-------------------------|------------------------|
| 1. <u>JOHN OLSON</u> | CERT #: <u>2769166</u> |
| 2. <u>BUCKEY MACKAY</u> | CERT #: <u>2778051</u> |
| 3. <u>MICHAEL KLINK</u> | CERT#: <u>3018828</u> |
| 4. <u>IAN GOODALE</u> | CERT#: <u>3741973</u> |
| 5. <u>ROSS GOULET</u> | CERT#: <u>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
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 AIRCHAIR 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
8-10-2021 RECON FLIGHT	SUNRISE	SUNSET	8-5-2021
8-11-2021 HEC	SUNRISE	SUNSET	8-5-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
FORT TEJON CHP	661-248-6655	DISPATCH	NOTIFIED
KERN COUNTY FIRE DEPARTMENT	661-248-6426	STATION 56	NOTIFIED
AIRPORT	N/A	N/A	N/A

Evacuation

Crowd Control

Street Closure

☒ No Evacuated Structures

☒ Operator

☐ Yes

☒ No

☐ Evacuated Structures

☒ Contractor

☒ 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
NONE	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 THE LANDING ZONE TO CONDUCT TAILBOARD.
2. PILOT WILL COORDINATE WITH STAGING AREA TO PERFORM TAILBOARD.
3. TAILBOARD WILL BE CONDUCTED AT STAGING AREA
4. WATER TRUCK IS REQUIRED AT LANDING AREAS
5. NO EVACUATIONS
6. NO STREET CLOSURE

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)	





Jeffrey M. Teubner

8-5-2021

DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator