

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

- PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *MAricon pa / TAFT*
- ☐ SAFETY BRIEF SIGN IN *PGE*
 - ☐ GHI CREW INTRODUCTION *21-03191 AS330B2/407 1/11-1/12*
 - ☐ IS A TRANSLATOR REQUIRED *21-03253 UH-1H 1/11-2022*
 - ☐ WORK STOP AUTHORITY *65H3 2500LBS*
 - ☐ 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

[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

21-03253 Request Summary (Guardian Helicopters)



Requestor	Robert J Greenwood	Request Date	12/17/2021
LAN ID	RJGU	Work Type	Lift Work
Phone	(661) 670-0168	Lift Work Type	Cargo
Cell	(661) 670-0168	For Contractor	No
LOB	Electric Transmission Line		
Vendor	Guardian Helicopters		

Work Dates

01/11/2022 UH-1H

Approver	Supervisor Pete M Dominguez (PXD1)	PXD1@PGE.COM	(C) (805) 459-6255
Foreman	Mark S Stacy (MSSY)	(P) (661) 401-8896	(C) (661) 401-8896

Scope of Work SAN LUIS OBISPO & KERN COUNTY
TAFT-CUYAMA #2 70KV
CAP- NIL
RQD NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

SCOPE- WE WILL BE INSTALLING A NEW STEEL POLE AND REMOVING OLD WOOD POLE. HELICOPTER WILL START OUT WITH A TAIL BOARD AND REVIEW THE SCOPE OF WORK. FLY FROM LZ TO OLD STRUCTURE AND TEST 70KV LINE DE-ENERGIZED . THEN GROUND, FLY BACK TO LZ AND LOAD HARDWARE AND TOOL'S. THEN HOOK ON TO STEEL POLE AND FLY IT TO THE NEW POLE HOLE AND SET . RETURN TO LZ WITH OLD POLE. LDSP POLE: 65 FOOT, H3- APPROX 2193 POUNDS (BARE) AND 2500 POUNDS (FRAMED).

LZ/WORK LOCATION INFORMATION-

LZ- OK, NO OBSTRUCTIONS WITHIN PROXIMITY TO ROAD | ELEVATION 1270 FT.
LZ DIAMETER VERIFIED FOR TYPE 2 & 3 AIRCRAFT- 200 FEET DIAMETER

PAIRS WITH LIGHT/HEC FROM GUARDIAN ON R3191

WL- OK, NO OBSTRUCTION WITHIN TERRIAN.

REQUESTER TO ENSURE DUST & TRAFFIC MITIGATION IN PLACE, AS NEEDED

Daily Information

01/11/2022

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

21-03253 Request Summary (Guardian Helicopters)

08:00 - LZ LZ- CALIFORNIA VALLEY 35 02.34'N <no headquarters> <no county> 1270 ft
119 31.90'W

--- - Work Location

70081 TAFT-CUYAMA #2 35 01.34'N Line #: 8/80 MIDWAY <no county> 2862 ft
119 31.60'W

Est. Use Hours	6.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	---	Billing Number	31553783 100%
Comments	---	Req. Notifications	---

Talk About # 108 Talk Group 108 Talk Radio # 108

21-03253 (Guardian Helicopters) - January 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11 08:00 -14:00 UH-1H LZ- CALIFORNIA.. 35 02.34'N 119 31.90'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

21-03191 Request Summary (Guardian Helicopters)



Requestor	Robert J Greenwood	Request Date	12/14/2021
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

01/11/2022 BELL 407

Approver	Superintendent Pete M Dominguez (PXD1)	PXD1@PGE.COM	(C) (805) 459-6255
Foreman	Mark S Stacy (MSSY)	(P) (661) 401-8896	(C) (661) 401-8896

Scope of Work SAN LUIS OBISPO & KERN COUNTY
TAFT-CUYAMA #2 70KV
CAP- NIL
RQD NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

SCOPE- WE WILL BE INSTALLING A NEW STEEL POLE AND REMOVING OLD WOOD POLE. HELICOPTER WILL START OUT WITH A TAIL BOARD AND REVIEW THE SCOPE OF WORK. FLY FROM LZ TO OLD STRUCTURE AND TEST 70KV LINE DE-ENERGIZED . THEN GROUND, FLY BACK TO LZ AND LOAD HARDWARE AND TOOL'S. THEN HOOK ON TO STEEL POLE AND FLY IT TO THE NEW POLE HOLE AND SET . RETURN TO LZ WITH OLD POLE. LDSP POLE: 65 FOOT, H3- APPROX 2193 POUNDS (BARE) AND 2500 POUNDS (FRAMED).

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS WITHIN PROXIMITY TO ROAD | ELEVATION 1270 FT.
LZ DIAMETER VERIFIED FOR TYPE 2 & 3 AIRCRAFT- 200 FEET DIAMETER

PAIRS WITH HUEY FROM GUARDIAN ON R3253

WL- OK, NO OBSTRUCTION WITHIN TERRIAN.

REQUESTER TO ENSURE DUST & TRAFFIC MITIGATION IN PLACE, AS NEEDED

Daily Information

01/11/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

21-03191 Request Summary (Guardian Helicopters)

08:00 - LZ LZ- CALIFORNIA VALLEY 35 02.34'N <no headquarters> <no county>
119 25.90'W

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

--- - Work Location

70081 TAFT-CUYAMA #2 35 01.34'N Line #: 8/80 MIDWAY <no county> 2862 ft
119 31.60'W

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

Est. Use Hours	6.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2600.0 lbs
Special Equipment	Grapple	Billing Number	31553783 100%
Comments	---	Req. Notifications	---

Talk About #	108	Talk Group	108	Talk Radio #	108
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21-03191 (Guardian Helicopters) - January 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11 08:00 -14:00 BELL 407 LZ- CALIFORNIA.. 35 02.34'N 119 25.90'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



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

WORK ORDER #: 21-03191 21-03253

ADDRESS: ELKHORN GRADE ROAD CITY: MARICOPA STATE: CA

LZ STAGING AREA 35° 2'20.78"N 119°25'53.67"W

8/80 35° 1'20.43"N 119°31'35.96"W

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. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MICHAEL KLINK CERT#: 3018828
4. IAN GOODALE CERT#: 3741973
5. ROSS GOULET CERT#: 3396777
6. 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 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: 65 H3 HEC CARGO 2500 LBS MAX 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
1-11-2022 UH-1H	SUNRISE	SUNSET	1-3-2022
1-11-2022 AS350B2	SUNRISE	SUNSET	1-3-2022
1-12-2022 AS350B2	SUNRISE	SUNSET	1-3-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
TAFT POLICE DEPARTMENT	661-763-3101	DISPATCH	NOTIFIED
KERN COUNTY FIRE DEPARTMENT	661-769-8239	STATION 22	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
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.

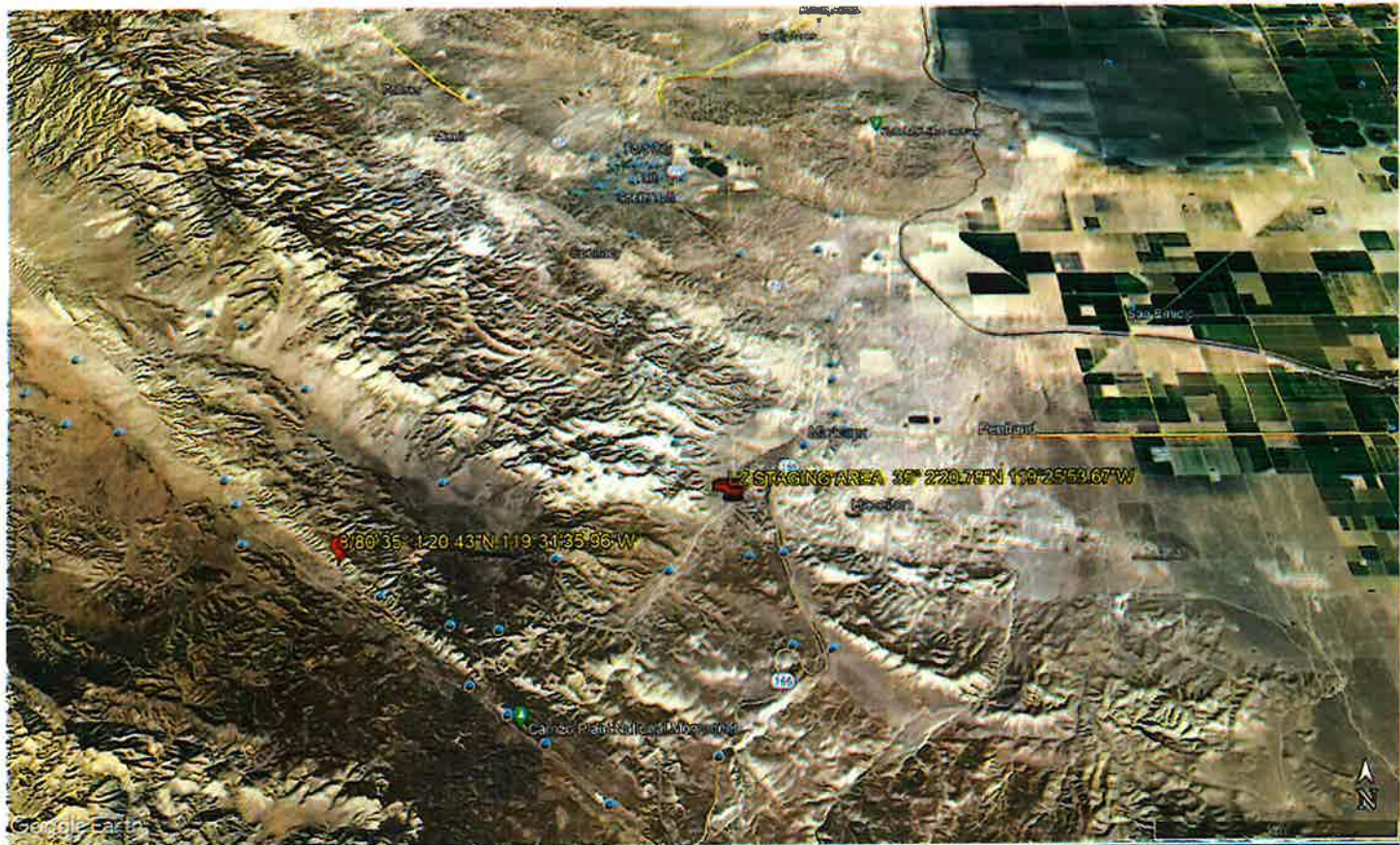
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

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. EQUIPMENT/ POLE WILL BE LIFTED FOR LZ
4. NO EVACUATIONS
5. NO ROAD 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)	





1-3-2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator