

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

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

- ☐ SAFETY BRIEF SIGN IN PGE 22-01265
- ☐ GHI CREW INTRODUCTION 407 HEC / Insulators
- ☐ IS A TRANSLATOR REQUIRED 6-13 6-14-2022
- ☐ WORK STOP AUTHORITY NON CAP
- ☐ 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**

[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

22-01265 Request Summary (Guardian Helicopters)



Requestor	Robert J Greenwood	Request Date	06/01/2022
LAN ID	RJGU	Work Type	Lift Work
Phone	(661) 670-0168	Lift Work Type	HEC - Energized
Cell	(661) 670-0168	For Contractor	No
LOB	Electric Transmission Line		
Vendor	Guardian Helicopters		

Work Dates

06/13/2022 - 06/14/2022 BELL 407

Approver	Pete M Dominguez (PXD1)	PXD1@PGE.COM	(C) (805) 459-6255
Foreman	Mark S Stacy (MSSY)	(P) (661) 401-8896	(C) (661) 401-8896
Superintendent	Pete M Dominguez (PXD1)	PXD1@PGE.COM	(C) (805) 459-6255
Scope of Work	KERN COUNTY CALIENTE SW STA-MIDWAY #1 230 KV CAP- NIL RQD NOTIFICATIONS- NIL USFS/NATIONAL PARK TERRITORY- NIL NOTIFICATIONS MADE- NIL SCOPE- TAILBOARD FIRST AT LZ. FROM LZ'S , HELICOPTER WILL BE PICKING UP LINEMAN TO FLY TO EACH TOWER TO KNOCK IN COTTER KEY'S . APPROX. 20 TOWER'S WORTH. THEN BACK TO LZ'S TO OFF LOAD LINEMAN AND MOVE TO NEXT LZ. AND SO FORTH . LZ/WORK LOCATION INFORMATION- LZ #1- OK, DIRT FIELD AND SLIGHTLY SLOPED, ROAD IN PROXIMITY. LZ #2- OK, DIRT FIELD AND SLIGHTLY SLOPED, ROAD IN PROXIMITY. LZ #3- OK, DIRT FIELD RIGHT NEXT TO ROAD. LZ #4- OK, DIRT FIELD RIGHT NEXT TO ROAD. PER REQUESTER, ALL LZ'S APPROVED AND WATER TRUCK WILL BE ON SITE. LZ'S DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 75 FEET DIAMETER WL- OK, OTHER TRANSMISSION CIRCUITS RUNNING PARALLEL AND VERITICAL. WITHIN SOME TERRIAN. **REQUESTER TO ENSURE TRAFFIC MITIGATION IN PLACE, AS NEEDED**		

Daily Information

22-01265 Request Summary (Guardian Helicopters)

06/13/2022 - 06/14/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

07:30 - LZ	LZ #1	35 22.14'N 119 47.68'W	<no headquarters>	<no county>	1572 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.64'N 119 52.89'W	Line #: 55/243	MIDWAY	<no county>	1580 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.47'N 119 51.34'W	Line #: 57/253	MIDWAY	<no county>	1677 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.38'N 119 50.47'W	Line #: 57/258	MIDWAY	<no county>	1723 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.34'N 119 50.07'W	Line #: 58/259	MIDWAY	<no county>	1745 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.22'N 119 48.98'W	Line #: 59/263	MIDWAY	<no county>	1655 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.22'N 119 47.92'W	Line #: 60/267	MIDWAY	<no county>	1714 ft
--- - Work Location					
LZ #2	35 23.33'N 119 44.90'W		<no headquarters>	<no county>	1764 ft
--- - Work Location					

22-01265 Request Summary (Guardian Helicopters)

20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 22.75°N 119 46.52°W	Line #: 61/274	MIDWAY	<no county>	1688 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.41°N 119 44.34°W	Line #: 64/284	MIDWAY	<no county>	1748 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.64°N 119 42.81°W	Line #: 65/291	MIDWAY	<no county>	1698 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.64°N 119 40.51°W	Line #: 67/300	MIDWAY	<no county>	1755 ft
--- - Work Location					
LZ #3	35 23.79°N 119 41.13°W		<no headquarters>	<no county>	1744 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.64°N 119 40.26°W	Line #: 68/301	MIDWAY	<no county>	1622 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.65°N 119 38.55°W	Line #: 70/308	MIDWAY	<no county>	1766 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.65°N 119 34.81°W	Line #: 73/323	MIDWAY	<no county>	1733 ft
--- - Work Location					
20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.65°N 119 33.84°W	Line #: 74/327	MIDWAY	<no county>	1722 ft

22-01265 Request Summary (Guardian Helicopters)

--- - Work Location

20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.65°N 119 33.39°W	Line #: 74/329	MIDWAY	<no county>	1711 ft
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--- - Work Location

LZ #4	35 23.72°N 119 32.19°W	Line #: CALIENTE SW. STA-MIDWAY#1	<no headquarters>	<no county>	1644 ft
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--- - Work Location

20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.70°N 119 28.54°W	Line #: 78/350	MIDWAY	<no county>	1719 ft
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--- - Work Location

20239 CALIENTE SW STA-MIDWAY #1 230 KV	35 23.71°N 119 28.04°W	Line #: 79/352	MIDWAY	<no county>	1727 ft
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Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	No
Undergrounding	No	Fuel Truck	Yes
Project		Special Equipment	---
Cargo Weight	700.0 lbs	Comments	---
Billing Number	45276977 10%		
	45276976 10%		
	45276975 10%		
	45276974 10%		
	45276973 10%		
	45276972 10%		
	45276971 10%		
	45276969 10%		
	45276970 10%		
	45276968 10%		

Req. Notifications ---

Talk About #	108	Talk Group	108	Talk Radio #	108
CC Recipients	RSN5@pge.com				

22-01265 (Guardian Helicopters) - 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 07:30 -15:30 BELL 407 LZ #1 35 22.14'N 119 47.68'W	14 07:30 -15:30 BELL 407 LZ #1 35 22.14'N 119 47.68'W	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	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 Phone (818) 442-9904
Fillmore CA. 93015 FAX (818) 442-9901
PROJECT: PG&E HEC INSULATORS WORK ORDER #: 22-01265
ADDRESS: INTERSTATE 5 / HWY 58 CITY: BOWERBANK STATE: CA

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: MARK STACY PHONE#: 661-401-8896
CONTACT FORMAN: MARK STACY PHONE#: 661-401-8896
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# N111GH A/C CATEGORY: STANDARD
BELL 407 N# N999GH 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: HEC 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
6-13-2022	SUNRISE	SUNSET	4-1-2022
6-14-2022	SUNRISE	SUNSET	4-1-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
HOLISTER POLICE DEPARTMENT	831-636-4330	DISPATCH	NOTIFIED
HOLISTER FIRE DISTRICT	8316364141	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
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

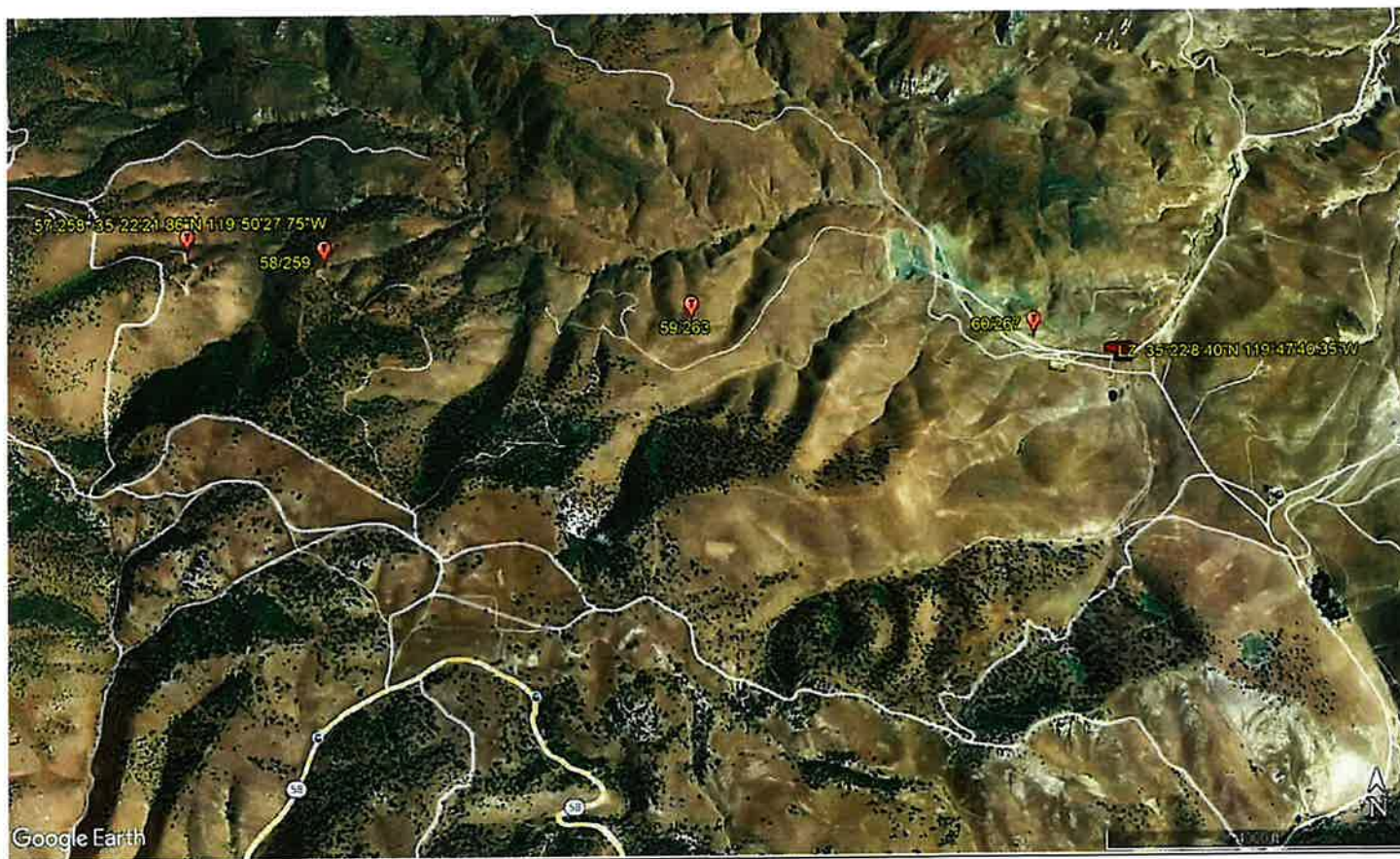
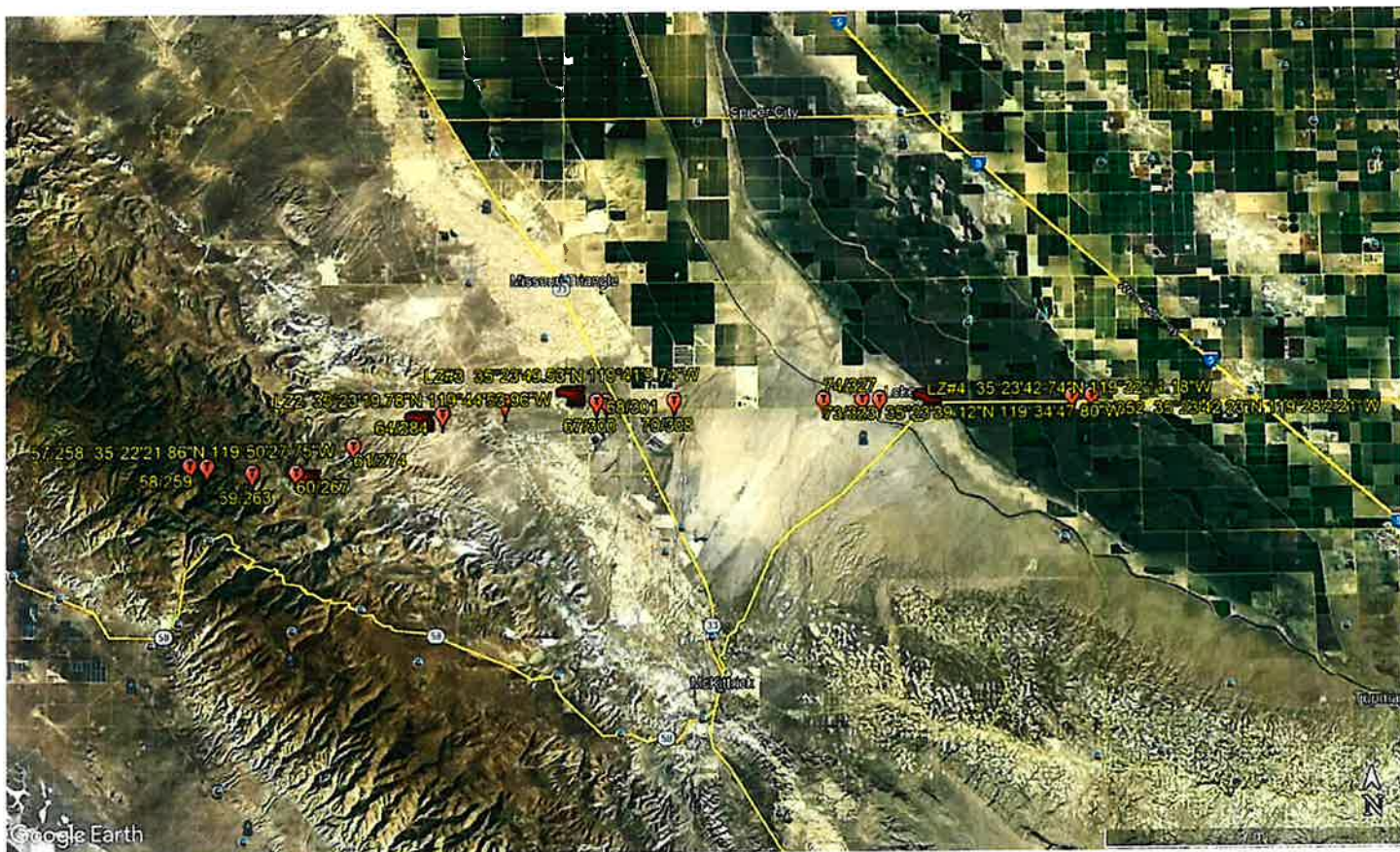
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE 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.

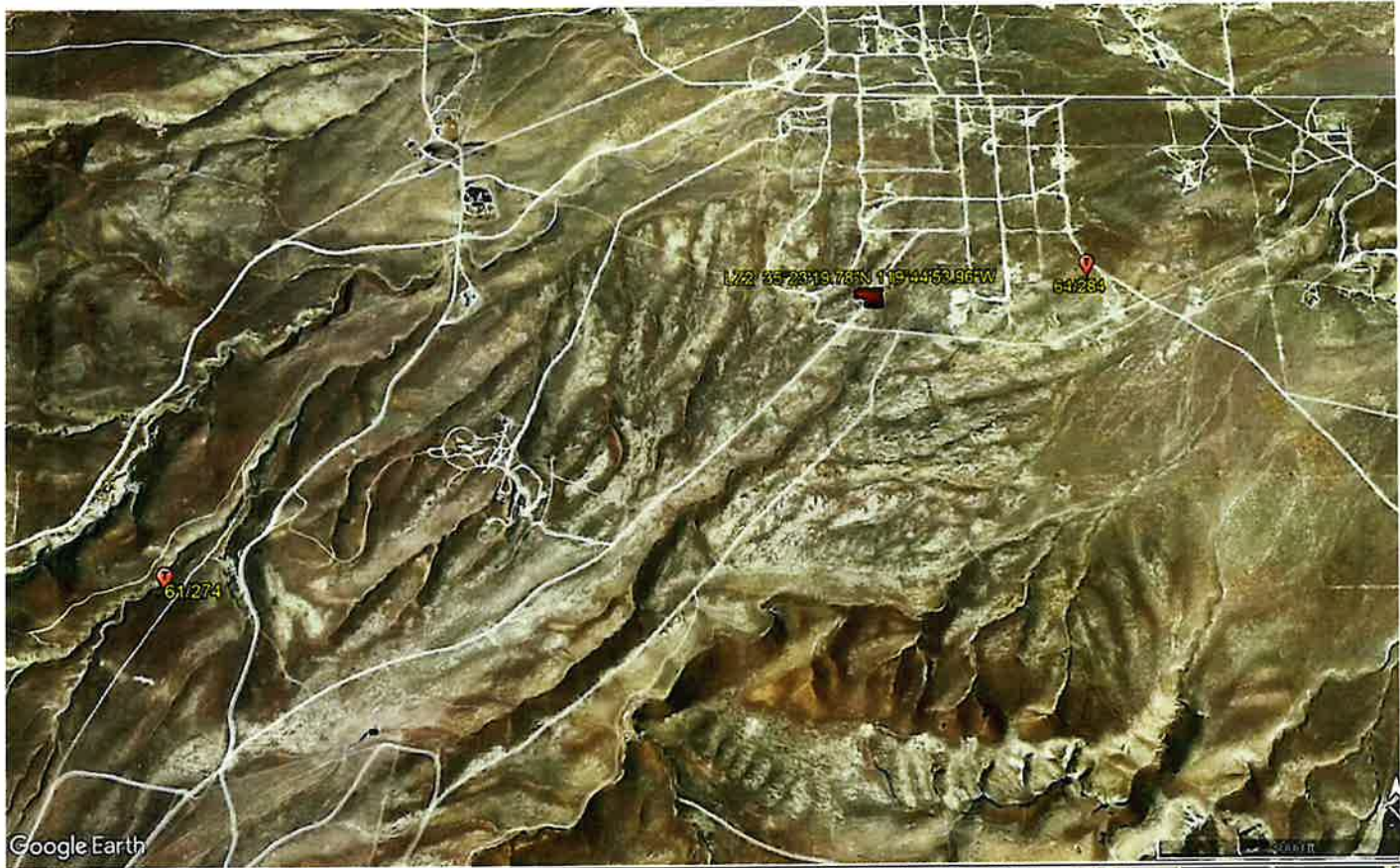
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM 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. HELICOPTERS WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD AND HEC TRAINING
2. WATER TRUCK REQUIRED AT LZ STAGING AREA
3. REMOTE AREA ROADS NO STREET CLOSURES
4. REMOTE AREA NO EVACUATIONS







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)	

6-9-2022

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator