

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Humboldt / Rosewood*

- ☐ SAFETY BRIEF SIGN IN *P6ER2-01311*
- ☐ GHI CREW INTRODUCTION *407 Non CAP*
- ☐ IS A TRANSLATOR REQUIRED *HEC*
- ☐ WORK STOP AUTHORITY *6-15 Thru 6-20-2022*
- ☐ 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**

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 ☐ IMSAFE Acronym 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

22-01311 Request Summary (Guardian Helicopters)



Requestor	Shelby D Eastom-Plum	Request Date	06/04/2022
LAN ID	SDE9	Work Type	Lift Work
Phone	(707) 564-5073	Lift Work Type	HEC -
Cell	(707) 564-5073		Non-Energized
LOB	Electric Transmission	For Contractor	Yes
	Line		HENKELS
Vendor	Guardian Helicopters		

Work Dates

06/15/2022 - 06/20/2022 BELL 407

Approver Superintendent Tobias J Bird (T4B5) T4B5@pge.com (C) (707) 337-0568

Scope of Work HUMBOLDT COUNTY
HUMBOLDT BRIDGEVILLE CIRCUIT
CAP- NIL
DISPATCH NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

CONTRACTOR NAME- HENKELS
REQUESTOR NAME/CONTACT NUMBER- JEREMIAH LAWSON 909-282-4250
FOREMAN NAME/CONTACT NUMBER- SAM RHODES 509-386-0474
PGE PM (PROJECT MANAGER) NAME/LAN ID- E2GP

SCOPE- TO HEC, TO LIFT TOOLS, MATERIALS, GRAVEL BAGS AND POLES TO REPLACE INACCESSIBLE POLES AT MULTIPLE LOCATIONS, WILL ALSO BE REPLACING INSULATORS. HEAVIEST POLE FRAMED LDSP POLE 80' CLASS H3 2657LBS (PAIRED WITH HEAVY SHIP 1312)

LZ/WORK LOCATION INFORMATION

LZ- LZ#1 OK ON A GRASS AREA, SMALL STRUCTURE LESS THAN 300 FEET. WILL NEED TO BE NOTIFIED AND/OR EVACUATED FOR THIS!

LZ#2 OK ON A GRASS AREA, SMALL STRUCTURE LESS THAN 300 FEET. WILL NEED TO BE NOTIFIED AND/OR EVACUATED FOR THIS!

LZ#3- OK ON A GRASS AREA, SOME TREES CLOSE IN PROXIMITY.

ALL LZ'S APPROVED FOR A TYPE 1 AND TYPE 3 AIRCRAFT | DIAMETER VERIFIED 75 FEET AND 125 FEET | PAD TO PAD SEPERATION 200 FEET

WL- OK TREES IN VACINITY. LESS THAN 300 FEET FROM A ROAD.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IN PLACE

Daily Information

22-01311 Request Summary (Guardian Helicopters)

06/15/2022 - 06/20/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ#1	40 46.66'N 124 05.14'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface is composed of low vegetative cover.

--- - Work Location

10103 HUMBOLDT-BRIDGEVILLE	40 45.66'N 124 01.94'W	Line #: 111/003	EUREKA	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

LZ#2	40 42.53'N 123 57.26'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

10103 HUMBOLDT-BRIDGEVILLE(START)	40 43.44'N 123 56.80'W	Line #: 105/007	EUREKA	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

10103 HUMBOLDT-BRIDGEVILLE(MIDDLE)	40 40.21'N 123 55.82'W	Line #: 102/000	EUREKA	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

10103 HUMBOLDT-BRIDGEVILLE(END)	40 37.51'N 123 52.19'W	Line #: 97/004	EUREKA	<no county>
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Dust/Snow Mitigation Plan: ---

--- - Work Location

LZ#3	40 28.71'N 123 48.49'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

10103 HUMBOLDT-BRIDGEVILLE	40 34.62'N 123 51.27'W	Line #: 93/005	EUREKA	<no county>
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Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	1000.0 lbs
Special Equipment	HEC Gear	Billing Number	31506838 10%
Comments	LZ#1 WORK LOCATIONS- 111/003		31541449 10%
	LZ#2 WORK LOCATIONS- 105/7,		31540746 10%
	104/4L, 104/4R, 102/000, 102/2R,		31547434 10%
	102/2L, 101/3L, 101/3R, 101/004,		31541928 10%
	101/6, 101/000, 99/0R, 99/0L, 97/4		45066560 10%

22-01311 Request Summary (Guardian Helicopters)

97/4L, 97/4R,	31541449 10%
LZ#3 WORK LOCATIONS- 93/5R,	31547434 10%
93/5L	31498385 10%
	31541449 10%
Req. Notifications	---

Talk About #	HENKELS 8	Talk Group	HENKELS 8	Talk Radio #	HENKELS 8
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22-01311 (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	14	15 08:00 -16:00 BELL 407 LZ#1 40 46.66'N 124 05.14'W	16 08:00 -16:00 BELL 407 LZ#1 40 46.66'N 124 05.14'W	17 08:00 -16:00 BELL 407 LZ#1 40 46.66'N 124 05.14'W	18 08:00 -16:00 BELL 407 LZ#1 40 46.66'N 124 05.14'W
19 08:00 -16:00 BELL 407 LZ#1 40 46.66'N 124 05.14'W	20 08:00 -16:00 BELL 407 LZ#1 40 46.66'N 124 05.14'W	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10						



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 AND INSULATORS WORK ORDER #: 22-01311

ADDRESS: 101 AND 36 CITY : ROSEWOOD STATE: CA

LZ#1 40°46'39.78"N124° 5'7.61"W

LZ#2 40°42'31.80"N 123°57'15.60"W

LZ#3 40°28'42.55"N123°48'29.30"W

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: JEREMIAH LAWSON PHONE#: **909-282-4250**

CONTACT FORMAN: SAM RHODES PHONE#: **509-386-0474**

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#: 3597688

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 407HP 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

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 AND CARGO) 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
6-15-2022 6-20-2022	SUNRISE	SUNSET	6-9-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
HUMBOLT COUNTY SHERIFF DEPARTMENT	707-441-5113	DISPATCH	NOTIFIED
HYDESVILLE FIRE DEPARTMENT	707-768-3752	DISPATCH	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
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

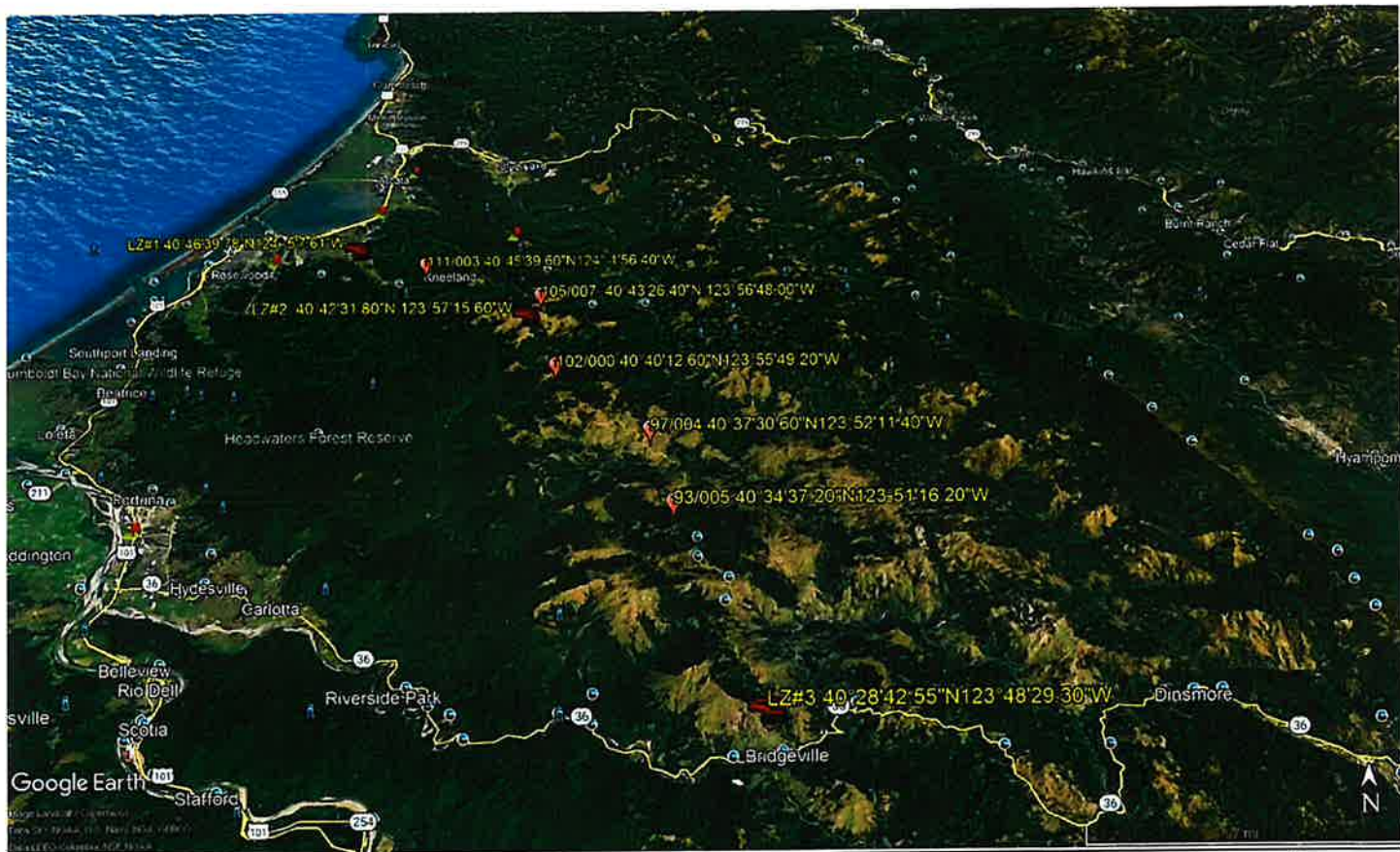
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE 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. HEC TRAINING WILL BE CONDUCTED AT THE ASSIGNED LZ
3. TAILBOARD WILL BE CONDUCTED AT LANDING ZONE
4. WATER TRUCK IS REQUIRED AT LANDING AREAS
5. NO EVACUATIONS
6. NO STREET CLOSURES
7. TREE TRIMMING IF REQUIRED







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

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator