

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Diablo Canyon PowerPlant*

- ☐ SAFETY BRIEF SIGN IN *PGE 22-00229*
- ☐ GHI CREW INTRODUCTION *NON-CAP*
- ☐ IS A TRANSLATOR REQUIRED *BHT205 Cargo less 2000LBS*
- ☐ WORK STOP AUTHORITY *2-24-2022 Thru 3.3.2022*
- ☐ 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

[illegible]

Non-compliance with established procedures may result in your removal from the mission

Pilot:
Support Crew:
Location:
Mission:
Aircraft:

[illegible]

Non-compliance with established procedures may result in your removal from the mission

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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

22-00299 Request Summary (Guardian Helicopters)



Requestor	Tyler J Irwin	Request Date	02/10/2022
LAN ID	TJ11	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	Cargo
Cell	(707) 684-9396	For Contractor	Yes
LOB	Electric Transmission Line		MICHELS
Vendor	Guardian Helicopters		

Work Dates

02/24/2022 - 03/03/2022 BELL 205

Approver Supervisor Pete M Dominguez (PXD1) PXD1@PGE.COM (C) (805) 459-6255

Scope of Work

SAN LUIS OBISPO / KERN
DIABLO-MIDWAY #2 500KV
CAP-NIL
DISPATCH NOTIFICATIONS-DCPP

USFS/NATIONAL PARK TERRITORY- NIL
APPROVAL RECEIVED-N/A

THIRD PARTY CONTACTS-
REQUESTOR- GARRET SIMS 920-539-5069
FOREMAN- JEFF KLIENT 920-539-3417
PGE PM- BEN STILLMAN BRSH

SCOPE- STRETCHING BELLS ON 500 KV TRANSMISSION LINE. PAIRS WITH (3) LIGHT SHIPS ON R297

LZ/WORK LOCATION INFORMATION-
LZ LOCATION OK, LARGE OPEN FIELD, LIGHT SHIPS WILL BE IN VACINITY ON R297

WORK LOCATION(S)-
OK, WORK LOCATIONS ARE IN MOUNTAINOUS TERRAIN WITH LOW LEVEL VEGETATION

DUST MITIGATION TO BE PROVIDED BY CONTRACTOR.

Daily Information

02/24/2022 - 03/03/2022

Asset Category: MEDIUM

Asset Type: BELL 205

Locations

08:00 - LZ	LZ 1	35 12.74'N 120 49.69'W	<no headquarters>	<no county>	880 ft
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22-00299 Request Summary (Guardian Helicopters)

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 13.13'N 120 50.77'W	Line #: 000/001A	PISMOBCH	<no county>	490 ft
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--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 13.12'N 120 50.77'W	Line #: 000/001B	PISMOBCH	<no county>	435 ft
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--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 13.11'N 120 50.76'W	Line #: 000/001C	PISMOBCH	<no county>	415 ft
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Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2000.0 lbs
Special Equipment	---	Billing Number	74010842-6900 100%
Comments	PAIRS WITH PJ SHIPS ON REQUEST 297	Req. Notifications	Diablo -Nuclear / Powerplant

Talk About #	TBD AT TAILBOARD	Talk Group	TBD AT TAILBOARD	Talk Radio #	TBD AT TAILBOARD
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22-00299 (Guardian Helicopters) - February 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	25 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	26 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W
27 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	28 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	1 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	2 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	3 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	4 08:00 -16:00 BELL 205 LZ 1 35 12.74°N 120 49.69°W	5
6	7	8	9	10	11	12

22-00299 (Guardian Helicopters) - March 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27 08:00 -16:00 BELL 205 LZ 1 35 12.74'N 120 49.69'W	28 08:00 -16:00 BELL 205 LZ 1 35 12.74'N 120 49.69'W	1 08:00 -16:00 BELL 205 LZ 1 35 12.74'N 120 49.69'W	2 08:00 -16:00 BELL 205 LZ 1 35 12.74'N 120 49.69'W	3 08:00 -16:00 BELL 205 LZ 1 35 12.74'N 120 49.69'W	4	5
6	7	8	9	10	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



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 TOWER WORK

WORK ORDER #: 22-00229

ADDRESS: DIABLO CANYON ROAD CITY: AVILA BEACH STATE: CA

LANDING ZONE 35°12'44.40"N 120°49'41.40"W

000/001A 000/001B AND 000/001C 35°13'7.60"N 120°50'46.13"W 2000 LBS MAX

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: GARRET SIMS PHONE#: 920-539-5069

CONTACT FORMAN: JEFF KLIENT PHONE#: 920-539-3417

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 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: STRETCHING BELLS LESS 2000 LBS 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
2-24-2022 THRU 3-3-2022	SUNRISE	SUNSET	2-14-2022
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
PISMO BEACH POLICE DEPARTMENT	805-773-2208	DISPATCH	NOTIFIED
CALFIRE SLO COUNTY FIRE DEPARTMENT		DISPATCH	NOTIFIED

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

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. WORKING WITH OTHER VENDOR AIRCRAFT POSITIVE RADIO COMMS WILL BE MAINTAINED**
- 2. HELICOPTER WILL LAND AT THE LZ STAGING AREA TO CONDUCT A TAILBOARD.**
- 3. WATER TRUCK REQUIRED AT LZ STAGING AREA**
- 4. EQUIPMENT WILL BE STAGED AT STAGING AREA**
- 5. NO EVACUATIONS**
- 6. NO STREET CLOSURE**

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)	







Jeffrey M. Teubner

2-14-2022
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator