

**PROPOSED HELICOPTER EXTERNAL LOAD OPERATIONS**

Submitted by Erickson Air Crane

**Congested Area Plan (CAP)**

**Non CAP**  Date: 11/01/10 – 01/31/11

**Project Name:** Mountain Grade Crossing

**OPERATOR'S NAME & ADDRESS**

Phone No. 800-866-9431  
Fax No. 541-664-7613

**CERTIFICATE# E8KL899H**

**ERICKSON AIR-CRANE INC.**

3100 Willow Springs Rd.  
Central Point, OR. 97502  
Attn: Brad Warren  
Cell #: 406-369-2001

**Customer's Name & Address:**

Phone No. 858-654-1749  
Fax No. 858-637-3770  
Attn: Mike Manry

SDG&E (Sempra Energy Utility)  
8315 Century Park Ct., CP21G  
San Diego, CA, 92123  
mmanry@semprautilities.com

**Job Location:**

Mountain Grade crossing near the (BLM) S2 fly yard. See attached Google Earth pics. The overflight of Highway 8 affects only the Westbound lane.

**FAA Name & Address:**

Phone No. 858-502-9882 x285  
Fax No. 858-502-9985  
Attn: Inspector James McNamara

FSDO – San Diego, CA  
8525 Gibbs Drive, Suite 120,  
San Diego, CA, 92123  
james.d.mcnamara@faa.gov

**Proposed Date & Time:** Nov. 1, 2010 through January 31, 2011

**Backup Dates & Times:** n/a

**Agencies Contacted:**

CHP (California Highway Patrol): See attached letter  
Caltrans : SDGE permit on file

**Pilot Data:** Brad Warren, Bill Neckels, Max Evans, Travis Harrold, Vern Sanders, Dale Weir, Mike Connor, Vic Johnson, Mike Life, Jamie Fallon, Fran Tebbe. Certificate #s and type on file. Medical class and date issued on file.

**Aircraft category:** Transport

**Aircraft No. & Type:** N237AC, S-64F Helicopter

**EXTERNAL LOAD CERTIFICATE & APPROVED FLIGHT MANUAL ON BOARD**

**Description of loads, number of lifts & weights:**

Multiple lifts over 3 month period of powerline structures.

**Number of Lifts:** 40-60

**Required Equipment For Crew:** Hard hats, chin straps, eye protection, gloves.

**Other Equipment on Site:** Fuel tanker and helicopter support trailer (pod). At fly yard.

**WEIGHT & BALANCE:**

See attached load calculation

**See attached items for:**

Descriptions; Diagrams; Charts; Flight Patterns; Road Closures; Affected Buildings; ETC.

**EXAMINED AND APPROVED**

DATE OCT. 28, 2010

BY [Signature]

FAA FSDO WP-09  
SAN DIEGO, CA

NOTES:

All non-essential persons will not be allowed inside the sterile area. All personnel involved with the lift will be briefed on procedures and safety information prior to the commencement of the lift operations. Typically in remote areas the sterile area is a visual determination and everyone involved in the project who has attended the Job Safety Analysis meetings is able to cease operations as described below.

Procedure For Ceasing Operations:

If a potential for a hazard or a real hazard should occur, the person(s) observing the hazard will notify the Erickson Air Crane (EAC) crew, the SDGE crew or the aircraft directly. Hazards could include, but are not limited to breach of the sterile area by any unauthorized persons and any other events that could cause danger to persons or property. The radioman will contact the pilot by radio and the operation will be suspended until the work environment is secured and safe.

**Notice of Specific Day of Operations:**

**On specific days of operations within the calendar range of dates in this CAP, an email and phone call will be made to San Diego FSDO/Jim McNamara to advise that operations are in progress.**

If you have any questions, comments or concerns, please feel free to contact me:

Thank You,  
Brad Warren  
406-369-2001  
Erickson Air Crane  
bwarren@ericksonaircrane.com

EXAMINED AND APPROVED

DATE Oct. 28, 2010

BY [Signature]

FAA FSDO WP-09  
SAN DIEGO, CA

**PROPOSED HELICOPTER EXTERNAL LOAD OPERATIONS**

Submitted by Erickson Air Crane

**Congested Area Plan (CAP)**  **Non CAP**  **Date: Nov. 1-30, 2010**

CAP due to road crossing.

**Project Name:** Radio Vaults/Repeaters

**OPERATOR'S NAME & ADDRESS**

Phone No. 800-866-9431  
Fax No. 541-664-7613

**CERTIFICATE# E8KL899H**

**ERICKSON AIR-CRANE INC.**

3100 Willow Springs Rd.  
Central Point, OR. 97502  
Attn: Brad Warren/Pilot  
Cell #: 406-369-2001

**Customer's Name & Address:**

Phone No. 619-851-4387  
Fax No. 858-637-3771  
Attn: Mike Manry

SDG&E (Sempra Energy Utility)  
8315 Century Park Ct., CP21G  
San Diego, CA, 92123  
mmanry@semprautilities.com

**Job Location:**

One road crossing of Lake Morena Dr.  
See attached maps

**FAA Name & Address:**

Phone No. 858-502-9882 x285  
Fax No. 858-502-9985  
Attn: Inspector James McNamara

FSDO – San Diego, CA  
8525 Gibbs Drive, Suite 120,  
San Diego, CA, 92123  
james.d.mcnamara@faa.gov

**Proposed Date & Time:** November 1-30, 2010

**Backup Dates & Times:**

**Agencies Contacted:**

CHP (California Highway Patrol) El Cajon Sgt. Croston 619-401-2000  
Caltrans: Not Applicable  
San Diego Public Utilities: For flying across Lake Morena Drive.

**Pilot Data:**

Brad Warren, Bill Neckels, Max Evans, Travis Harrold, Francis Tebbe, Frederick Life, , Jamie Fallon ,Dale Weir, Vern Sanders, Vic Johnson, Mike Connor  
Certificate #s and type on file. Medical class and date issued on file.

**Aircraft category:** Transport

**Aircraft No. & Type:** N237AC, S-64F Helicopter

**EXTERNAL LOAD CERTIFICATE & APPROVED FLIGHT MANUAL ON BOARD**

**Description of loads, number of lifts & weights:**

The lifts are 5) radio repeater vaults/conex units weighing 14,700 lbs. each. And also a separate flight for each vault to fly in a Bobcat excavator to prepare the sites. This results in 2 flights for each vault.. The Bobcats are appx. 10,000 lbs. each.

**Required Equipment For Crew:** Hard hats, chin straps, eye protection, gloves.

**Other Equipment on Site:** Fuel tanker and helicopter support trailer (pod).

**WEIGHT & BALANCE:**

See attached load calculation

EXAMINED AND APPROVED

DATE OCT. 28, 2010

BY [Signature]

FAA FSDO WP-09  
SAN DIEGO, CA

**DETAIL EXPLANATION:**

Of the 5 lifts only one crosses Lake Morena Drive. Closure of this road will be coordinated with the San Diego Public Works road dept. Each lift will require 5 flights to move all the required tools and equipment and the vaults themselves. At this time it appears Erickson may only be involved in one of the flights for the vaults themselves but the possibility remains for us to do them all.

See attached items for:

Descriptions; Diagrams; Charts; Flight Patterns; Road Closures; Affected Buildings; ETC.

Notes:

All non-essential persons will not be allowed inside the sterile area. All personnel involved with the lift will be briefed on procedures and safety information prior to the commencement of the lift operations.

All affected areas will be cleared of debris.

Procedure For Ceasing Operations:

If a potential for a hazard or a real hazard should occur, the person(s) observing the hazard will notify the Erickson Air Crane (EAC) crew, the SDGE crew or the aircraft directly. Hazards could include, but are not limited to breach of the sterile area by any unauthorized persons and any other events that could cause danger to persons or property. The radioman will contact the pilot by radio and the operation will be suspended until the work environment is secured and safe.

If you have any questions, comments or concerns, please contact me:

Thank You,  
Brad Warren/Pilot  
406-369-2001  
bwarren@ericksonaircrane.com

**EXAMINED AND APPROVED**

DATE

OCT. 28, 2010

BY

[Signature]  
FAA FSDO WP-09  
SAN DIEGO, CA

<b>N: 237AC</b>	<b>SN: 64095</b>		<b>TYPE: SK64F</b>	
<b>JOB DESCRIPTION</b>	<b>LOAD WT</b>	<b>LOAD &amp; RTR WASH</b>	<b>ELEVATION</b>	<b>FLY DISTANCE</b>
<b>RADIO VAULTS</b>	13,000	15000	5630'	3.2NM
	PA & TEMP	DA	HP AVAIL	TQ AVAIL
	5630 & 30C	8800'	7320	77%
<b>PERFORMANCE CALC</b>		<b>LIMIT CALC</b>		
41000		40800		
<b>FLIGHT PHASE</b>	<b>TIME</b>		<b>FUEL CALC</b>	At 550 Gal/hr.
	In Minutes			
<b>START &amp; LIFTOFF</b>	10		<b>FUEL REQ.</b>	2088
<b>OUTBOUND LEG</b>	6		<b>Min. Fuel</b>	1000
<b>SET</b>	10		<b>TOTAL LBS. FUEL</b>	3088
<b>INBOUND LEG</b>	4		<b>TOTAL GAL. FUEL</b>	312
<b>LANDING</b>	4		<b>FUEL/SIDE</b>	1544
<b>TOTAL TIME</b>	34			
<b>WEIGHT AND BALANCE</b>				
	<b>WEIGHT</b>	<b>ARM</b>	<b>MOMENT</b>	
<b>A/C Config. WT</b>	21838	340.0	7424920	
<b>FWD PILOT</b>	400	94.0	37600	
<b>AFT PILOT</b>	200	130.0	26000	
<b>JUMPSEAT</b>		108.5	0	
<b>FUEL FWD</b>	1544	280.8	433579	
<b>FUEL AFT</b>	1544	397.3	613464	
<b>FUEL AUX</b>		461.3	0	
<b>TOTALS</b>	25526	334.4	8535563	
<b>ADD LOAD</b>	15,000	333.0	4995000	
<b>Grand Total</b>	40526	333.9	13530563	
<b>TOTAL GROSS</b>	40526	<b>COMPARE TO LIMIT CALC</b>		40800
<b>SUMMARY</b>	<b>GO</b>			
<b>SIGNATURE</b>	Brad Warren			

**Weight & Balance notes: Aircraft configuration shown above is worst case scenario. This calculation is for the highest elevation and longest fly. This is also with the winch installed with 20' rigging.**