HELIKOPTER EXTERNAL LOAD OPERATION

FLY DATE: February 18, 2011 through June 18, 2011

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>LOCATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wilson Fly Yard</td>
<td>N32 48' 41.48&quot; W116 39' 56.93</td>
</tr>
</tbody>
</table>

LIFT DESCRIPTION, WEIGHTS, NUMBER OF LIFTS:

Multiple Tower Structures and related construction equipment flown from Wilson Fly yard in two directions- westbound and south-southwest bound. CAP due to road crossings, property on the west end near Star Valley Road, and the chicken farm on the south end. See Action Item Attachment on page 4.

OPERATORS SPECIFICS:

Erickson Air Crane
3100 Willow Springs Road
Central Point, Oregon 97502
Ph. #1-800-866-9431
Fax # 541-664-7613
Certificate #E8KL899H

CAP PREPARED BY:

Brad Warren
bwarren@ericksonaircrane.com
#541-326-9448
Bill Neckels
bneckels@ericksonaircrane.com
#541-326-9448

AIRCRAFT:

SK 64 F N237AC S/N: 64095
Airworthiness: Transport

CUSTOMERS SPECIFICS:

San Diego Gas & Electric
8315 Century Park Ct. CP 21G
San Diego, California 92123

Contact: Mike Manry
mmanry@semprautilities.com
Ph. # 619-851-4387
Fax# 858-637-

FSDO SPECIFICS:

FSDO
8525 Gibbs Drive Suite 120
San Diego, California 92123
Contact: Inspector James McNamara
James.d.mcnamara@faa.gov
Ph. #858-502-9882 Ext.285
Fax # 858-502-9885

EXAMINED & APPROVED

DATE: FEB. 16, 201

FAA WPFSDO-09
SAN DIEGO, CA
**PILOT DATA:**
Certificates and Medicals on file for: Brad Warren, Bill Neckels, Max Evans, Mike Connor, Vern Sanders, Dale Weir, Vic Johnson, Travis Harrold, Fran Tebbe, Mike Life, Jamie Fallon.

**LAW ENFORCEMENT AGENCIES CONTACTED:**
Courtesy call to San Diego County Sheriff
Alpine Station
1347 Tavern Road
Alpine, CA 91901
619-659-2600

**HIGHWAY/ROAD DEPT. AGENCIES CONTACTED:**
San Diego Public Works Permit for crossing Japutal Road. PAR responsibility.
## PROCEDURES FOR CEASING OPERATIONS:

If a potential for a 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.

## STERILE AREA & FLIGHT CORRIDORS

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. In the case of operations in the flight corridors, flight crew will self clear the flight path enroute. The Flight Corridors allow for sufficient operational area to see and avoid intrusions in this space. In the event of an intrusion of the border of this area, Corridor allows a minimum of 300 feet clearance in order to avoid the intrusion. If unable, operations cease until rectified.

## FLIGHT NOTIFICATION TO FSDO:

Notification to the FSDO will be made to advise of specific flight operation dates within a range of dates specified in this plan. This can be an email or phone to call to advise that we will operate on a particular date. It is not necessary to receive a confirmation call back from the FSDO before operating. It is advisory in nature for the FSDO.

## REQUIRED SAFETY EQUIPMENT:

Hard hats, chin straps, eye protection, gloves, high visibility clothing.
ACTION ITEMS PRIOR TO FLIGHTS

1) Property off Star Valley Road, near CP 98. Recon flights required before Crane flights. Inspect distances from property, mitigation measures, and notifications to this property owner.

2) Traffic controls to be in place for crossing of Japutal Road as well as other smaller roads connecting to Japutal Road.

3) Chicken Farm on the South end of ROW. This property owner will require notification. Distances are sufficient for our operations from the ROW to buildings. However, it must be determined if this is an active farm and mitigation measures discussed with this property owner as this relates to the noise level involved in our operations in proximity to this farm.

4) Courtesy call to county sheriff regarding road crossings on Japutal Road.

5) Affirm San Diego County Public Works Permit in place for Japutal Road crossing.

6) PUC 5 day notice- Handled by Gerry Aikens
<table>
<thead>
<tr>
<th>JOB DESCRIPTION</th>
<th>LOAD WT</th>
<th>LOAD &amp; WASH</th>
<th>RTR</th>
<th>ELEVATION</th>
<th>FLY DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wilson Yard</td>
<td>15,000</td>
<td>15,000</td>
<td>4500'</td>
<td>4500 &amp; 35C</td>
<td>3.5nm</td>
</tr>
<tr>
<td></td>
<td>PA &amp; TEMP</td>
<td>DA</td>
<td>HP AVAIL</td>
<td>TQ AVAIL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7800'</td>
<td>7400hp</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERFORMANCE CALC**

<table>
<thead>
<tr>
<th>FLIGHT PHASE</th>
<th>TIME</th>
<th>FUEL CALC</th>
<th>LIMIT CALC</th>
</tr>
</thead>
<tbody>
<tr>
<td>START &amp; LIFTOFF</td>
<td>10</td>
<td>FUEL REQ.</td>
<td>2150</td>
</tr>
<tr>
<td>OUTBOUND LEG</td>
<td>4</td>
<td>Min. Fuel</td>
<td>1000</td>
</tr>
<tr>
<td>SET</td>
<td>15</td>
<td>TOTAL LBS. FUEL</td>
<td>3150</td>
</tr>
<tr>
<td>INBOUND LEG</td>
<td>4</td>
<td>TOTAL GAL. FUEL</td>
<td>321</td>
</tr>
<tr>
<td>LANDING</td>
<td>2</td>
<td>FUEL/SIDE</td>
<td>1575</td>
</tr>
<tr>
<td>TOTAL TIME</td>
<td>35</td>
<td></td>
<td></td>
</tr>
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</table>

**WEIGHT AND BALANCE**

<table>
<thead>
<tr>
<th>A/C Config. WT</th>
<th>WEIGHT</th>
<th>ARM</th>
<th>MOMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWD PILOT</td>
<td>22,592</td>
<td>94.0</td>
<td>37600</td>
</tr>
<tr>
<td>AFT PILOT</td>
<td>400</td>
<td>130.0</td>
<td>26000</td>
</tr>
<tr>
<td>JUMPSEAT</td>
<td>200</td>
<td>108.5</td>
<td>0</td>
</tr>
<tr>
<td>FUEL FWD</td>
<td>1575</td>
<td>280.8</td>
<td>442202</td>
</tr>
<tr>
<td>FUEL AFT</td>
<td>1575</td>
<td>397.3</td>
<td>625665</td>
</tr>
<tr>
<td>FUEL AUX</td>
<td>461.3</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>TOTALS</td>
<td>26342</td>
<td>43.0</td>
<td>1131466</td>
</tr>
<tr>
<td>ADD LOAD</td>
<td>15,000</td>
<td>333.0</td>
<td>4995000</td>
</tr>
<tr>
<td>Grand Total</td>
<td>41342</td>
<td>148.2</td>
<td>6126466</td>
</tr>
</tbody>
</table>

**TOTAL GROSS**: 41342

**SUMMARY**: Go

**SIGNATURE**: Brad Warren
N 32° 48' 41.48" W 116° 39' 56.93"
All dust, debris hazards to be considered prior to Crane lifts in this area.

260' from ROW to Property Edge

Proper noticification required for this property owner. Recorded right required prior to Crane lifts.

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