

DOCKETED

Docket Number:	09-AFC-07C
Project Title:	Palen Solar Power Project - Compliance
TN #:	200048
Document Title:	Record of Conversation between G. Darwin & A. Chu Regarding Palen HRA with Mirror Washing - Reduced Risk Values in Table
Description:	N/A
Filer:	Marie Fleming
Organization:	Galati Blek LLP
Submitter Role:	Applicant's Representative
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July 26, 2013

California Energy Commission
Dockets Unit
1516 Ninth Street
Sacramento, CA 95814-5512

**Subject: RECORD OF CONVERSATION BETWEEN G. DARVIN & A. CHU
REGARDING PALEN HRA WITH MIRROR WASHING – REDUCED
RISK VALUES IN TABLE
PALEN SOLAR ELECTRIC GENERATING SYSTEM
DOCKET NO. (09-AFC-7C)**

Enclosed for filing with the California Energy Commission is the electronic version of **RECORD OF CONVERSATION BETWEEN G. DARVIN & A. CHU REGARDING PALEN HRA WITH MIRROR WASHING – REDUCED RISK VALUES IN TABLE**, for Palen Solar Electric Generating System (09-AFC-7C).

Sincerely,



Marie Fleming

From: Gregory Darwin [<mailto:darwin@atmosphericdynamics.com>]
Sent: Friday, July 26, 2013 12:23 PM
To: Chu, Ann@Energy
Cc: Stora, Christine@Energy; Scott Galati
Subject: Palen HRA with mirror washing - reduced risk values in table

Hi Ann.

Sorry it took so long and you had to wait, but I had to back into archived hard drives to identify the answer.

Perhaps this email could be docketed as a record of conversation.

Between the original risk value of 4.03 and the revised value of 1.08, the primary reason for the decrease is that the emergency diesel engine hours were reduced from 199 hours per year (per engine) to 50 hours per year (per engine).

So, to summarize:

1. The original HRA was done using the design data at the time along with the diesel engines (6 total) operating at 199 hours/yr each.
2. The revised assessment done in early June used the new engine hours as required by SCAQMD of 50 hrs/yr each, along with some equipment and stack design changes.
3. The second revision later in June relied upon the previous changes, but incorporated the area source mobile emissions from Ops.
4. So the risk value for cancer started out at 4.03×10^{-6} , then it went to 1.03×10^{-6} , and then up slightly to 1.08×10^{-6} .

Regards.

Gregory Darwin

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**PALEN SOLAR ELECTRIC
GENERATING SYSTEM AMENDMENT**

**Docket No. 09-AFC-07C
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(Revised 07/09/2013)**

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DECLARATION OF SERVICE

I, Marie Fleming, declare that on July 26, 2013, I served and filed copies of **RECORD OF CONVERSATION BETWEEN G. DARVIN & A. CHU REGARDING PALEN HRA WITH MIRROR WASHING – REDUCED RISK VALUES IN TABLE** dated July 26, 2013. The most recent Proof of Service List, which I copied from the web page for this project at: <http://www.energy.ca.gov>, is attached to this Declaration.

(Check one)

For service to all other parties and filing with the Docket Unit at the Energy Commission:

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I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am over the age of 18 years.

Dated: July 26, 2013



Marie Fleming