

OFFICE OF THE SECRETARY
CORRESPONDENCE CONTROL TICKET

Date Printed: Jul 30, 2012 13:21

PAPER NUMBER: LTR-12-0378

LOGGING DATE: 07/30/2012

ACTION OFFICE: EDO

To: Leeds, NRR
Appropriate Action

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AFFILIATION:

ADDRESSEE: Chairman Resource

SUBJECT: Concerns new geology reports regarding San Onofre (SONGS)

ACTION: Appropriate

DISTRIBUTION: Chrm

LETTER DATE: 07/27/2012

ACKNOWLEDGED No

SPECIAL HANDLING:

NOTES:

FILE LOCATION: ADAMS

DATE DUE:

DATE SIGNED:

cys: EDO
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Template: SECY-017

E-RIDS: SECY-01

Joosten, Sandy

From: SD [stexied@gmail.com]
Sent: Friday, July 27, 2012 8:52 PM
To: CHAIRMAN Resource
Subject: New Geology Reports RE SONGS

chairman@nrc.gov

Dear Mr. Chairman,

RE SONGS SEISMIC RISKS UPDATE, URGENT ACTION REQUIRED

Some new reports on SoCal Geology for your immediate urgent review.

I pray you find time to go over this and if you have any questions, please just ask.

I am also available for a full tour by car or helicopter of the fault here.

I believe once you actually see the Magnitude of the Fault here you will take action.

If you don't actually see these features you will not get a clear picture, as its

almost indescribable. Don;t take anyone's word for any of this, just come see it for yourself !

How about we set up a tour with everyone, USGS and Edison etc together?

I think Edison will agree perhaps even sooner than others that this is way too risky to continue with an old design reactor.

They need to spend money on other things rather throw good money after bad, its a simple biz equation in many respects.

Thanks for your prompt attention.

Steve Dwyer
Geological Consultant, 40 years

http://blogs.laweekly.com/informer/2012/07/massive_earthquake_san_andreas_86_possible_caltech.php

Previous estimates by USGS were M 8.0, and we know from Sumatra and japan that these big ones do far more than

expected, additional faults involved, whihc was only a theory until Landers Quake ripped up one then another then another fault !

the complexity of the San Andreas Fault in Coachella Valley just 75mi east of SONGS is among the scariest known !

The details on the ground are still here to take a look at, and are just stunning. One has to stand here and look to be impressed

by the incredible power of this event. Nowhere else along the fault are such catastrophic features so evident.

http://blogs.laweekly.com/informer/2012/06/earthquake_big_one_power_outage_california.php Lucy Jones says 20 Feet !

Yet we know that the fault moves at 4cm/year so accumulated strain between quakes can be very large.

(Dr. Barosa at Stanford estimated Japan offset at 98 feet, and USGS estimated Japan at 79 feet ! So 20ft. is still way too conservative)

Estimates of last big quake in the lower section date was around 500 years more or less, which equates to over 60 feet of offset accumulated !

(60 Feet is what Lucy told me in private, but I'm glad to see she has at least up'ed it some. 20 feet is what the Owens Valley Quake moved

and that killed everyone there. The scarp down the valley is still almost fresh looking. The mass grave lies a little to the west.

Northridge Quake only moved 4 feet, with 2.4g's acceleration !) ..So if San Andreas Fault is estimated by USGS to be 20 feet now, five times the offset?

Sure its hard to equate offset with magnitude or acceleration, but its still HUGE, and

Northridge Acceleration barely attenuated enough to 0.66g's (SONGS Design Criteria) by the time it hit SONGS 80 mi away

to prevent SONGS destruction back then. Barely ! One close call. Its time to say enough is enough of this game, and shut it down permanently.

The other option is to shut it down and mothball it, remove all fuels etc and have it as standby AFTER the quake, if it survives at all.

My estimate is that SONGS will look worse than Fukushima, and much more like San Juan Capistrano !

Do it for the Children Sir ASAP ! http://farm2.static.flickr.com/1116/1254266219_ebb7084166.jpg

http://bcs.whfreeman.com/earthquakes/content/cat_490/bt00eh02.htm#Wrightwood, San Juan Capistrano, California, 1812 SoCal Quake History