

3995 Marion Avenue  
Los Alamitos, CA 90720

July 28, 1981

Office of the Secretary  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Reference NRC Docket Nos. 50-361-OL  
50-362-OL  
San Onofre Nuclear Generating Station Units 2 & 3.

Gentlemen:

As a concerned Californian I am writing to recommend the prompt licensing at long-last of Units 2 & 3 of the San Onofre Nuclear Generating Station.

I've worked in California as a chemical engineer for almost 20 years and have witnessed the growing demand for power. I've been impressed during this period with the relative reliability of power in the Southern California area. As the manager of a plant that was critically dependent on an uninterrupted power source, I welcomed the competitive edge this provided over similar plants in the Eastern and Mid-Western sections of this country. I've been appalled at the rapid rise of power costs over the years but I have seen this as an inevitable consequence of dwindling natural resources. I hope we can avoid compounding this problem by emphasizing a "Zero Risk" philosophy which fails to balance these much studied, and restudied, and restudied unlikely possibilities of future problems with the overall risks that underlie alternatives (including the alternative of continued delay).

I am on the Advisory Board for the State of California's "Hazard Evaluation System and Information Service". I believe that I have significant experience in anticipating and quantifying (to the limited extent possible) future risks involving scientific decisions. My knowledge of the "facts" involved in permitting Nuclear Plants is very obviously limited to the information available in newspaper and semi-technical journals, but this certainly leads me to conclude that these units should be permitted as promptly as possible.

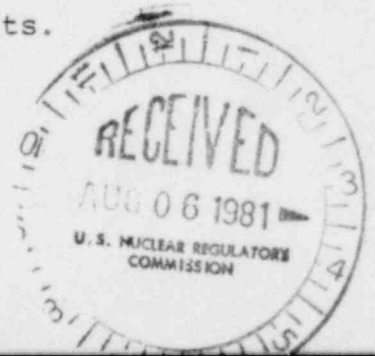
As a private citizen who is planning to retire in California - (approximately 75 miles from San Onofre), I am similarly convinced that your prompt action in permitting these plants will add to my overall financial and physical security.

I strongly urge your early action to license these units.

Sincerely,

Robert L. Toole

DSO-3  
S/10



Nuclear Regulatory Commission  
Washington, D.C. 20555

DOCKET NUMBER  
PROD. & UTIL. FAC. 50-361-362

Attn: San Onofre Licensing Proceedings

Gentlemen:

As a concerned citizen I am vitally concerned that the economic, environmental, and social well-being of the State of California be maintained; and an adequate supply of energy is critical to meet these needs.

This nation's continued overdependence on foreign oil has caused major adverse economic impacts, and the situation in the Middle East must be considered a constant threat to our national security.

Regulatory delays in the planning and licensing of needed energy facilities are extremely costly to the consumer, damaging to the environment, and result in continued importation of foreign oil. Therefore, I support the immediate and expeditious licensing of San Onofre Units II and III with all due and deliberate speed.

Sincerely,

Name Barbara McCaslin  
Address 136 Calle Curro  
San Clemente, Ca 92672



DS03  
5110

Nuclear Regulatory Commission  
Washington, D.C. 20555

DOCKET NUMBER  
PROD. & UTIL. FILE NO. 50-361-362

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Sincerely,

Name Robert C. Hayden  
Address 235 Roberts, Unit 115  
San Clemente, Cal. 92672



DS03  
5/10





Nuclear Regulatory Commission  
Washington, D.C. 20555

DOCKET NUMBER  
PROD. & UTIL. FAC. 50-1-362

Attn: San Onofre Licensing Proceedings

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Sincerely,

Name JR Malouze

Address 4205 Calle Juna

San Clemente, Ca  
92672



DS03  
S/0

Nuclear Regulatory Commission  
Washington, D.C. 20555

DOCKET NUMBER  
PRD-50-361,362

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Sincerely,

Name Murray Green  
Address 2597 1/2 Vista Dr East  
Capistrano Beach, Ca 92624



D503  
S1/0





Please clip and to:  
Nuclear Regulatory Commission  
in support of the licensing of San Onofre II & III

Nuclear Regulatory Commission  
Washington, D.C. 20555

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Sincerely,

Name Ham Means  
Address 372 Cam. San Clemente  
San Clemente, Ca 92672



DS03  
5/10

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Nuclear Regulatory Commission  
Washington, D.C. 20555  
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Sincerely,

**Stano's JEWELERS**  
139 Ave. Del Mar  
San Clemente, CA 92572  
(714) 492-5058

Name \_\_\_\_\_

Address \_\_\_\_\_

*Regene P. Browning*

DS03  
S/10



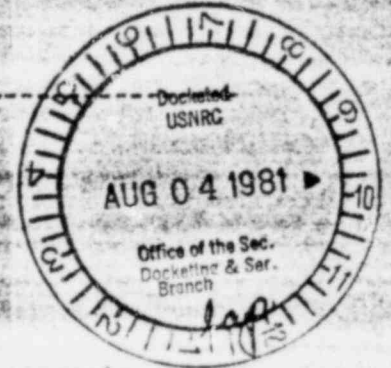


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Sincerely,

Name J Ray Super  
Address 80 Mira Delante  
San Clemente Ca 92672



D503  
5/10



Please clip and to:  
Nuclear Regulatory Commission  
in support of the licensing of San Onofre II & III

7-25-81

Nuclear Regulatory Commission  
Washington, D.C. 20555

Attn: San Onofre Licensing Proceedings

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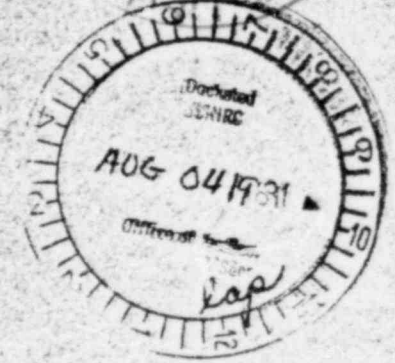
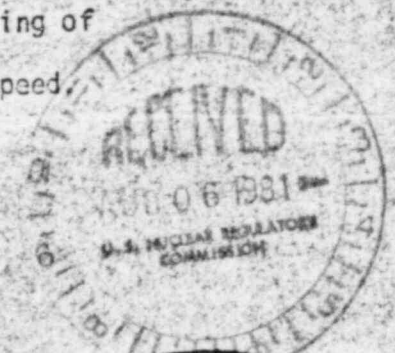
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Sincerely,

Name Leonard G. Marks, D.P.A.  
Address 102 Bay Drive  
San Clemente, CA 92672

(714) 492-8265

2583  
5/10



50-361, 302

Please clip and to:  
Nuclear Regulatory Commission  
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Nuclear Regulatory Commission  
Washington, D.C. 20555

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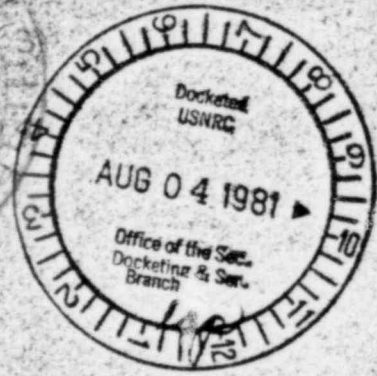
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Sincerely,

Name Alan Burtis

Address 777 Montezuma  
San Clemente, Ca, 92673



DS03  
3/10

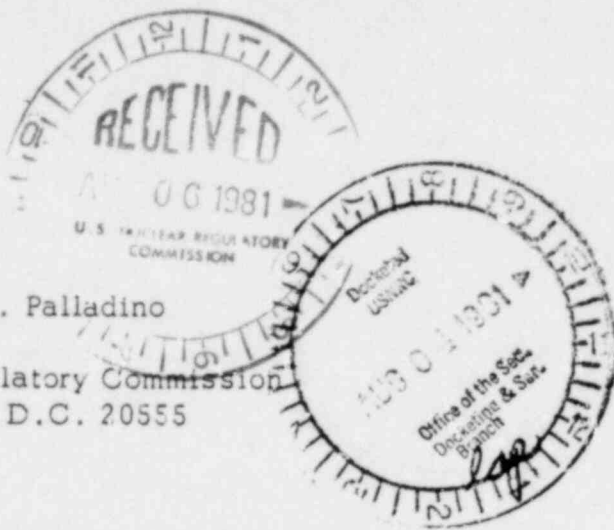


July 29, 1981

Robert J. Evans  
701 S. Kilsor  
Santa Ana, CA. 92701

BUCKET NUMBER  
PROD. & UTIL. FAC. 50-361-362

Dr. Nunzio J. Palladino  
Chairman  
Nuclear Regulatory Commission  
Washington, D.C. 20555



Dear Sir:

The Santa Ana Register for July 28, 1981, contained the article attached. Please read the article now, for I will take issue with several points made therein.

First, I am a school teacher of the physical sciences at Garden Grove High School in Garden Grove, CA. I live about 35 miles from the San Onofre Nuclear Generating Facility. I have been interested in seismology, especially the seismology of the San Andreas and its tributary faults, since I came to California more than 19 years ago.

In the article, you will notice the usual nebulous words probably, if and could, etc.

Energy demand and prices continue to skyrocket! We can set around doing nothing if we are not willing to take the minor risks we face in the development of nuclear energy. It is impossible to reduce to zero, accidental risk in any endeavor man undertakes! Yet the "Anti-nukes" would have us believe that this is the only acceptable solution for the granting of operating licenses to nuclear power stations.

However, a few ambitious people "feather their political nests" playing on the gullibility of the uninformed. If they really want to aid society, let them attack the highway carnage caused by drinking drivers! Today, the media can give an unknown politician or scientist notoriety over night!

People in Southern California are overly sensitive to seismological activity because they are not familiar with seismological research, and they lack the knowledge to understand the vocabulary associated with this research. Thus, anything uttered from the mouth of a scientist will be taken as "gospel" given the right media coverage!

What these scientists don't tell you in the article: (and I use their same technique with nebulous words, ie: may, if, etc.)

1. We may not have a major quake for the next 100 to 200 years in Southern California.
2. There is no empirical evidence that the faults in Southern California and in the Gulf of Baja are connected. We surmise this because all major faults seem to be related to the San Andreas fracture zone, which appears to run into the Imperial fault and thence into Mexico on its way to the Gulf of Baja (Sea of Cortez).
3. Some seismologists now believe that the San Jacinto fault is now becoming the active branch of the San Andreas fault. Creeping along this fault has increased in recent years, thus releasing seismic pressures. If this is so, then the chances of a major quake along the San Jacinto fault would be greatly reduced.

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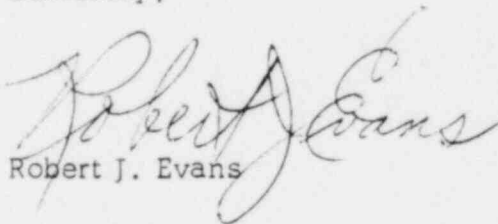
4. The Christianitos fault near San Onofre, and incidentally, all related faults, have not moved in recorded history!
5. The Newport-Inglewood fault has been most active in the Long Beach area. It proceeds southward into the ocean and disappears in a fracture zone that moves along the ocean floor, passing within 5 to 10 miles from San Onofre, emerging from the ocean as the Rose Canyon fault near San Diego. There is no conclusive evidence that the Newport-Inglewood and the Rose Canyon fault are one connected and continuous fault (although many of us like to think that it is!)
6. Mr. Legg concludes that the San Onofre reactors are located over seismically active faults!!? In my studies of the earthquake history of California, I have yet to read of any notable seismic shock, or creeping, in the San Onofre area!

And now for the certainties!

1. My electric bill is climbing to astronomical figures because we must keep buying expensive, low-sulfur foreign oil here in Southern California. Great Britain, the Soviet Union, Japan, and France have seen the "nuclear light"! Isn't it time for us to "join the crowd"? After all, if there is less competition for foreign oil, the price is bound to plummet!
2. The number of deaths associated with nuclear energy production are minimal!
3. Mount St. Helen spewed many thousands of times the millirems of radiation into the atmosphere that ever escaped from the "3-Mile Island" facility! Where were the indignant outcries of the people from Washington state and points east!!? I guess what people don't know, doesn't hurt them!
4. The people of California spoke out against the anti-nuclear initiative, so let's honor their wishes and grant operating licenses to nuclear power installations in California and across the nation as quickly as these installations meet safety standards!!!

Please have mercy upon us silent majority, high-utility-billed, taxpayers!

Sincerely,



Robert J. Evans

rje

References:

Earthquake Country, Robert Iacope, Lane Books, Menlo Park, CA. c. 1971

Fault Map of California, c. 1975, Charles W. Jennings, et. al., Ca. Division of Mines & Geology, Ferry Bldg., San Francisco, 94111

San Andreas Fault in Southern California, c. 1975, Special Report 118, Ca. Division of Mines & Geology



# Three scientists challenge safety of N-plant in quake

## Licensing of two San Onofre reactors may rest on which group state board believes

By Jeff Weir  
Register staff writer

SAN DIEGO — In a contest of professional opinions, three scientists Monday challenged scientific evidence that Southern California Edison Co. has assembled to justify the opening of two new reactors at San Onofre Nuclear Generating Station.

Two of the scientists — Russell Gastil and Mark Legg — said the crazy quilt pattern of earthquake ruptures along the San Onofre coastline probably connects with known fault zones in Baja California.

Plant critics contend that if this is true, a single rupture along the combined fault zone could produce an earthquake that would overwhelm the new reactors, which have been built to withstand a 6.5 magnitude tremor.

Gastil is a geologist at San Diego State University and Legg is a doctoral student in

geophysics at UC Santa Barbara. The two, along with J. Enrique Luco, a structural engineer at UC San Diego, opened the fifth week of seismic safety hearings by the Atomic Safety Licensing Board on the two new reactors, Units 2 and 3.

In several months, the three-member ASLB will decide which group of scientists it wishes to believe. And that decision will determine whether the 1,110 megawatt reactors, built at a cost of \$3.5 billion, receive operating licenses.

Edison scientists claim the coastline faults are disconnected and, as a result, are not a threat to the plant.

The maximum magnitude of an earthquake is related to the length of the fault, scientists say. Thus, the longer the fault, the bigger the earthquake.

Luco said Edison geologists underestimated the potential ground shaking that would affect

the reactors during a major earthquake.

Luco based his evaluation on the same data that Edison's experts used — instrument recordings from the 1979 Imperial Valley earthquake.

The utility's scientists made a model from the Imperial Valley Quake to predict ground movements at San Onofre.

Luco not only said the model was flawed but that its calculations are off by a factor of two.

When asked if he could suggest a better model, Luco said: "All we can do is look at the data and interpret it based on our physical understanding of the rupture process."

"The question is how much risk the population is willing to accept. From a personal level, I wouldn't accept the responsibility (for suggesting an appropriate model) unless a specified risk were set."

Luco said, however, that Edison's formula

could become a useful tool "once they've proved it and tested it. But now I would not put a lot of confidence in it."

Gastil said he has studied the onshore fault zones in Baja California for most of the last 22 years. He said the faults and ruptures on the California coastline are part of the continental boundary.

"If we've learned anything from the theory of plate tectonics it is that there are boundaries between the plates and that the plates tend to move as units in relation to one another."

"The faults in the Gulf and in Southern California are all related to one another. We know there are connections even though we cannot see them."

Legg, who has written a doctoral thesis on the connections between the fault zones offshore from San Onofre, testified over the

objections of Edison attorney David Pigott.

Pigott said Legg does not have the credentials nor the qualifications to be taken seriously. ASLB chairman James Kelley said he would rule on Pigott's objections today.

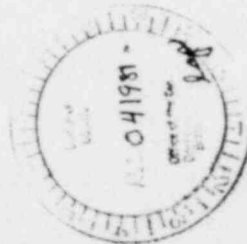
In his written testimony, Legg concludes that the new reactors are sitting atop fault zones that could rupture in a major quake.

The criss-crossing rupture lines beneath Unit 2 were discovered during construction several years ago. Edison geologists claim they are remnants of ancient ground movements that show no signs of reawakening.

Critics of the new reactors contend these faults are still seismically active.

The plant's opponents will wrap up their case today. The Nuclear Regulatory Commission, which has previously concluded that the plant is safe, presents its case throughout the remainder of the week.

50-361-360



50-361, 366

WATSON INDUSTRIAL PROPERTIES

3435 WILSHIRE BOULEVARD, SUITE 1500  
LOS ANGELES, CALIFORNIA 90010  
(213) 386-5930

July 30, 1981



Office of the Secretary  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

RE: NRC Docket Nos. 50-361-OL, 50-362-OL  
San Onofre Nuclear Generating Station Units 2 and 3

Gentlemen:

The Watson Companies, one of the oldest and largest industrial park developers in Los Angeles County, would like to go on record in support of the licensing of the San Onofre Nuclear Generating Station Units 2 and 3. We feel that within the near term, nuclear power is one of the safest and cheapest means of generating electricity that our society has available to it today. We, in California, are faced with many problems but foremost is the supply of reasonably priced electrical energy. In fact, policy and current government regulations require that the electric utility industry reduce oil usage and phase out natural gas usage. It is vital that this safe, clean, and economical source of energy be developed. Without it, we will be unable to meet the demands of a growing society and continue the industrial development that will provide jobs for the citizenry of the Southern California area.

At the present time, Southern California is highly dependent on foreign low sulfur crude oil for the production of its electricity. Using nuclear energy would help reduce our dependence on foreign oil, a goal that is economically and politically essential. All energy sources must be utilized. Because of the critical environmental area that we live in, many of the other sources of fuel such as coal are not readily available to us. Therefore, we respectfully request that the Federal Government approve the licensing of San Onofre Nuclear Generating Station Units 2 and 3 and that you take our views into consideration when making your decision on this matter.

Very truly yours,

William T. Huston  
President



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