

**Brennan, Kaitlin**

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**From:** Geoffery Bard [geofferybard@yahoo.com]  
**Sent:** Wednesday, June 15, 2011 7:29 PM  
**To:** sbcob  
**Subject:** Diablo Book

## **Fukushima Aftermath: Diablo Nuclear Redux?**

Full title: **Fukushima Aftermath: Diablo Nuclear Renaissance or Industry Meltdown?**



[Introduction to the Fukushima Aftermath series at Wikibooks](#)

“ A nuclear power plant on top of three major earthquake faults. Blueprints read backwards. Stuck valves on critical failsafe components. The Diablo plant had a lot of people worried. Then came Fukushima: 9.0 earthquake. Tragic monster tsunami. Thousands dead. And things went downhill from there. ”

**[[edit](#)] Introduction to the subject matter**

The nuclear incident at the Fukushima Daiichi power plant has sparked a renewed interest in evaluation of the risks posed by nuclear power plants worldwide, among them Diablo Canyon Power Plant (DCPP) in San Luis Obispo County, California. As you can read in the [Diablo Canyon Power Plant](#) chapter, it was built in close proximity to numerous earthquake fault zones, and is a source of on-going public policy debate.

According to wikipedia, Diablo Canyon was originally designed to withstand a 6.75 magnitude earthquake from four faults, including the nearby San Andreas fault|San Andreas and Hosgri faults,<sup>[1]</sup> but was later upgraded to withstand a 7.5 magnitude quake.<sup>[2]</sup> Recent public disclosure of the existence of the Shoreline fault proximal to DCPP has created renewed public interest in the current ongoing re-licensing<sup>[3]</sup> application of DCPP, including calls for a suspension of the licensing process until the seismic studies are complete.<sup>[4]</sup> Although the plant has redundant seismic monitoring and a safety system designed to shut it down promptly in the event of significant ground motion, there remains considerable public concern about safety.

## **[edit]** [Nuclear power plants made simple](#)

### **[edit]** [Reactor type: Light water \(LW\)reactors](#)

- [LW Reactor type: Pressurized water reactor \(Diablo\)](#)
- [LW Reactor type:Boiling water reactor \(Fukushima\)](#)
- [Structure:Nuclear reactor core](#)
- [Structure:Containment building](#)

## **[edit]** [Fukushima Daiichi nuclear disaster](#)

- [Tokyo Electric Power Company](#)

### **[edit]** [The Earthquake Part 1 Part 2](#)

### **[edit]** [The Tsunami Horror](#)

## **[edit]** [Diablo: Plant Overview](#)

- [Pacific Gas and Electric](#)
- [June 2011 NRC Safety Report](#)

### **[edit]** [Overview of DCPP earthquake issues](#)

[Hosgri Fault](#)

[San Andreas Fault](#)

[Shoreline Fault](#)

## **[edit]** [History of protest and policy debates](#)

- [Anti nuclear movement: Overview](#)
- [USA protests](#)
- [California protests](#)
- [Abalone Alliance](#)

- [Documentary film "Dark Circle"](#)
- [Critical Masses: Opposition to Nuclear Power in California, 1958-1978](#)
- [Mothers for Peace](#)

## **[edit]** [US nuclear energy policy by issue](#)

- [Overview of nuclear policy and issues in the US](#)
- [Background on waste storage issue in the US](#)
- [The multiple of all fears: radiation cancer](#)

## **[edit]** [US public opinion shifts in the Fukushima aftermath](#)

- [Nuclear waste storage](#)

## **[edit]** [The Diablo controversy after Fukushima](#)

- [Feinstein letter to NRC](#)
- [Blakeslee Seismologist to US Senate](#)
- [NRC Finishes Safety Report](#)
- [NRC Responds to Pressure](#)

## **[edit]** [Key Decision Makers](#)

- [Nuclear Regulatory Commission](#)
- [State Senator Sam Blakeslee, Ph.D.](#)
- [U.S. Representative Lois Capps](#)

[Action: Capps letter re ASLB](#)

- [U.S.Senator Barbara Boxer](#)
- [U.S.Senator Diane Feinstein](#)

## **[edit]** [Action](#)

### **[edit]** [Sen.Feinstein](#)

- - [Letter of April 20, 2011](#)
  - [Letter of March 30, 2011](#)
  - [Letter of March 16, 2011](#)
  - [March 15, 2011 Congressional Rollcall](#)

### **[edit]** [Sen. Markey](#)

- ["Fukushima Fallout" Senator Markey](#)
  - [Markey report page 16](#)
  - [Markey report page 17](#)
  - [Markey report page 18](#)

[\[edit\]](#) [Bernie Sanders](#)



## [\[edit\]](#) NGO Parties

- [Union of Concerned Scientists](#)
- [Alliance for Nuclear Responsibility](#)
- [Others](#)

## [\[edit\]](#) Appendices

- [Appendix: Typical SNAFU](#)
- [June 2011 NRC Safety Report](#)

## [\[edit\]](#) References

1. ↑ ["Energy: A Nuclear Horror"](#). *Time*. February 9, 1976. <http://www.time.com/time/magazine/article/0,9171,917988,00.html>. Retrieved July 14, 2010.
2. ↑ David Sneed (August 9, 2011). ["Diablo Canyon workshop to focus on earthquakes"](#). *The San Luis Obispo Tribune*. <http://www.sanluisobispo.com/2010/08/08/1244213/diablo-canyon-workshop-september.html>.
3. ↑ John Upton (April 22, 2011). ["PG&E Quietly Seeking Permission to Extend Diablo Canyon's License"](#). *The Bay Citizen*. <http://www.baycitizen.org/pge/story/pge-seeking-permission-extend-diablo/>.

4. [↑](#) San Luis Board of Supervisors, Official Minutes; Santa Barbara Board of Supervisors, Official Minutes including but not limited to pending June 2, 2011 public hearing.
  - [Scholarly references](#)

### **[edit]** [Online resources](#)

### **[edit]** Other Recommended Wikibooks

- [Physics Study Guide](#)
- [This Quantum World](#)
- [Radiation Oncology](#)
- [Basic Physics of Nuclear Medicine](#)

### **[edit]** Audio links

- [Alliance for Nuclear Responsibility Scroll to 1:24](#)
- [To the Point \(audio\)](#)

### **[edit]** Acknowledgements

- The staff at the Nuclear Regulatory Commission have been very helpful at public forums at which they provided very learned answers to questions from the public.
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- David Weisman and Rochelle Becker are principals in the Alliance for Nuclear Responsibility and through their website and listserv made much information available which was not available through other sources.
- Administrators at Wikibooks have gone beyond the call of duty and gave generously of their time correcting errors and providing state of the art software tools. Particularly patient and helpful have been the administrators logging in as *Adrignola* and the aptly named *Quite Unusual*.

### **[edit]** [Afterword: Was the Fukushima event an Incident, disaster, or accident?](#)

### **[edit]** Appendix: Contributors

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## **[[edit](#)] Appendix: Future chapters**

[Passive nuclear safety](#)

[United States Department of Energy](#)

[Yucca Mountain nuclear waste repository](#)

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