

## Group C

**FOIA/PA NO: 2015-0071**

### **RECORDS BEING RELEASED IN PART**

The following types of information are being withheld:

- Ex. 1: ☐ Records properly classified pursuant to Executive Order 13526
- Ex. 2: ☐ Records regarding personnel rules and/or human capital administration
- Ex. 3: ☐ Information about the design, manufacture, or utilization of nuclear weapons  
☐ Information about the protection or security of reactors and nuclear materials  
☐ Contractor proposals not incorporated into a final contract with the NRC  
☐ Other \_\_\_\_\_
- Ex. 4: ☐ Proprietary information provided by a submitter to the NRC  
☐ Other \_\_\_\_\_
- Ex. 5: ☒ Draft documents or other pre-decisional deliberative documents (D.P. Privilege)  
☒ Records prepared by counsel in anticipation of litigation (A.W.P. Privilege)  
☒ Privileged communications between counsel and a client (A.C. Privilege)  
☐ Other \_\_\_\_\_
- Ex. 6: ☐ Agency employee PII, including SSN, contact information, birthdates, etc.  
☐ Third party PII, including names, phone numbers, or other personal information
- Ex. 7(A): ☐ Copies of ongoing investigation case files, exhibits, notes, ROI's, etc.  
☐ Records that reference or are related to a separate ongoing investigation(s)
- Ex. 7(C): ☐ Special Agent or other law enforcement PII  
☐ PII of third parties referenced in records compiled for law enforcement purposes
- Ex. 7(D): ☐ Witnesses' and Allegers' PII in law enforcement records  
☐ Confidential Informant or law enforcement information provided by other entity
- Ex. 7(E): ☐ Law Enforcement Technique/Procedure used for criminal investigations  
☐ Technique or procedure used for security or prevention of criminal activity
- Ex. 7(F): ☐ Information that could aid a terrorist or compromise security

Other/Comments: Portions of records that do not "mention, refer to, or are related to" the DPO are considered nonresponsive.

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**From:** Oesterle, Eric  
**Sent:** Monday, December 01, 2014 7:16 AM  
**To:** Uhle, Jennifer; Evans, Michele; Wilson, George  
**Cc:** Sebrosky, Joseph; Orf, Tracy; Rihm, Roger  
**Subject:** RE: Question on DCPD for EPW hearing  
**Attachments:** ANTICIPATED QUESTIONS AND ANSWERS\_DCPD\_1.docx; NRR\_Diablo Canyon Seismic Studies\_updated2014\_1.docx

**Importance:** High

Jennifer,

Just getting in this morning (Monday 12/1) and seeing your email. I am reviewing the responses and addressing your comments this morning. See also responses below.

The updated responses are included as attachments.

*Eric R. Oesterle*

Acting Branch Chief

NRR/DORL/LPL4-1

301-415-1014



**From:** Uhle, Jennifer  
**Sent:** Friday, November 28, 2014 6:01 PM  
**To:** Evans, Michele; Wilson, George  
**Cc:** Oesterle, Eric; Sebrosky, Joseph  
**Subject:** Question on DCPD for EPW hearing

Non Responsive

Non Responsive

Roger Rihm has the electronic version and you can email him the change. We need it first thing tomorrow. I am emailing you guys to verify you agree. Please cc me.

Thanks,

Jennifer

ANTICIPATED QUESTIONS AND ANSWERS

DIABLO CANYON

Non Responsive

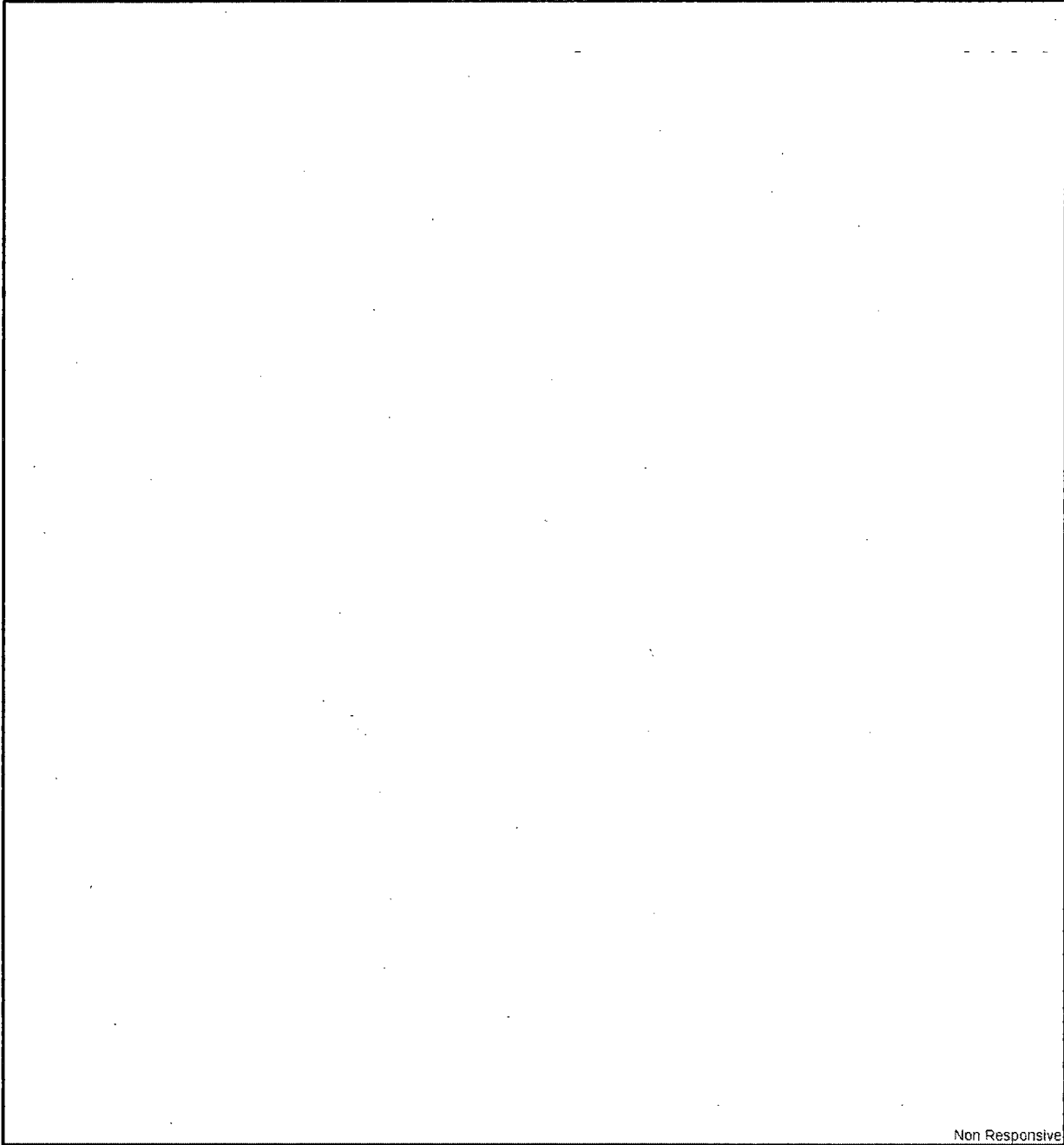
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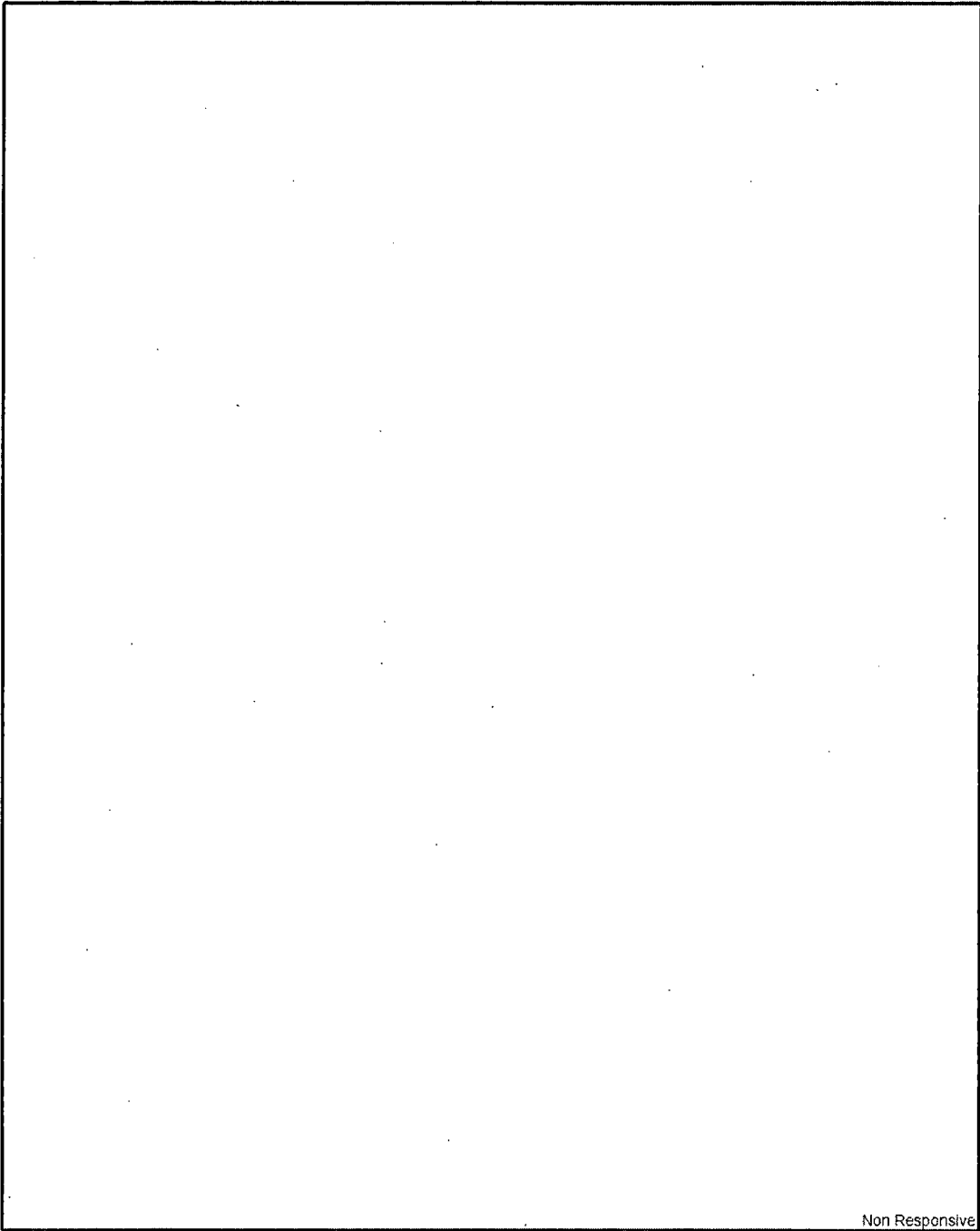
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Non Responsive

**Diablo Canyon Seismic Studies**

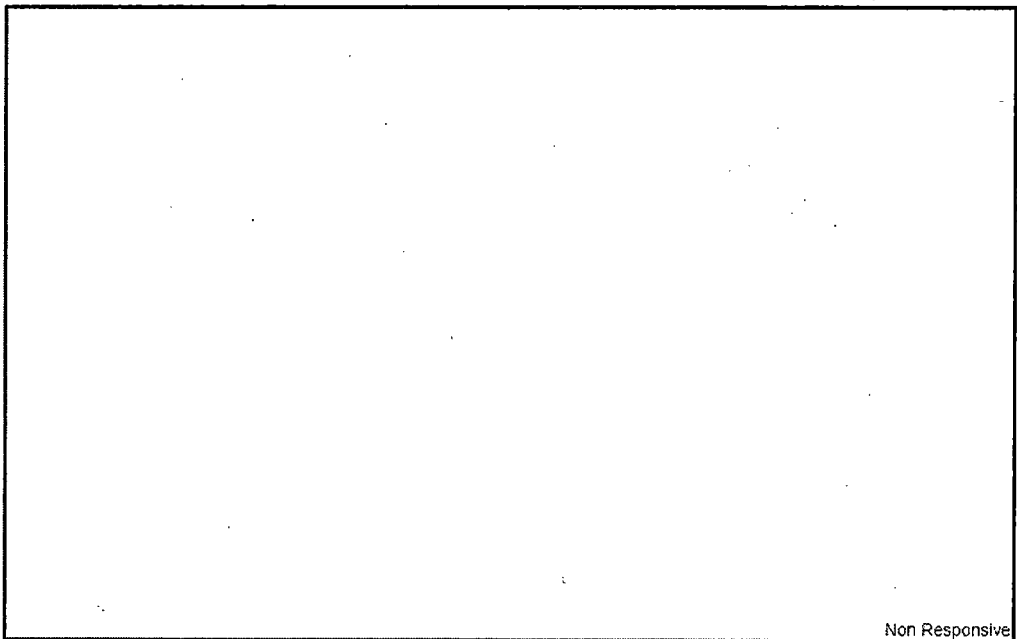


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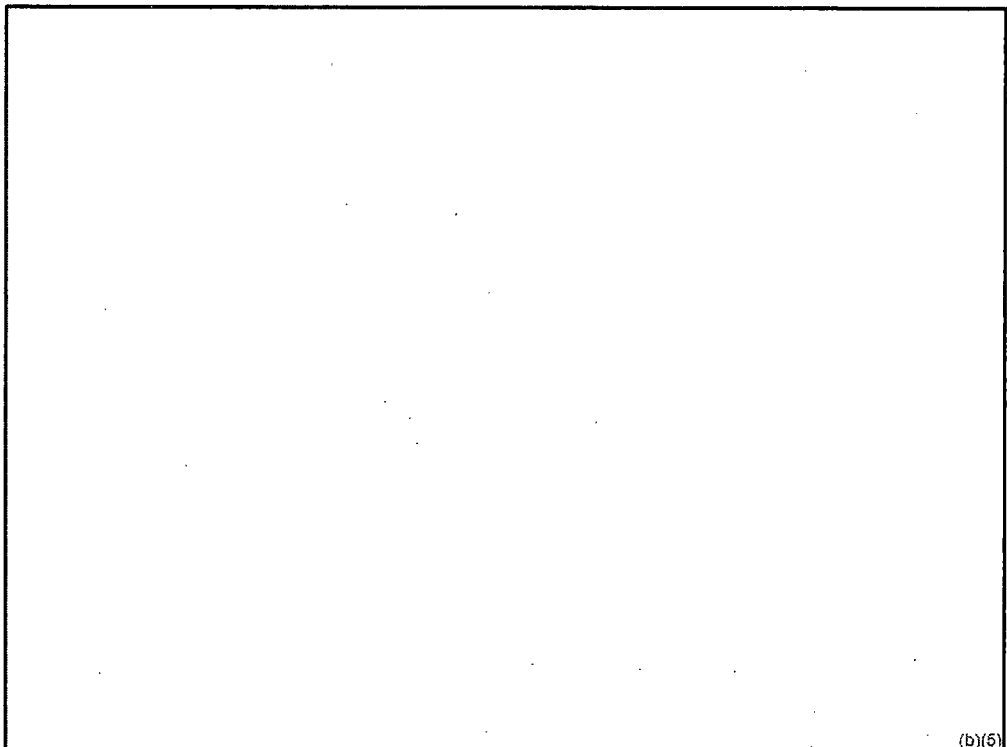


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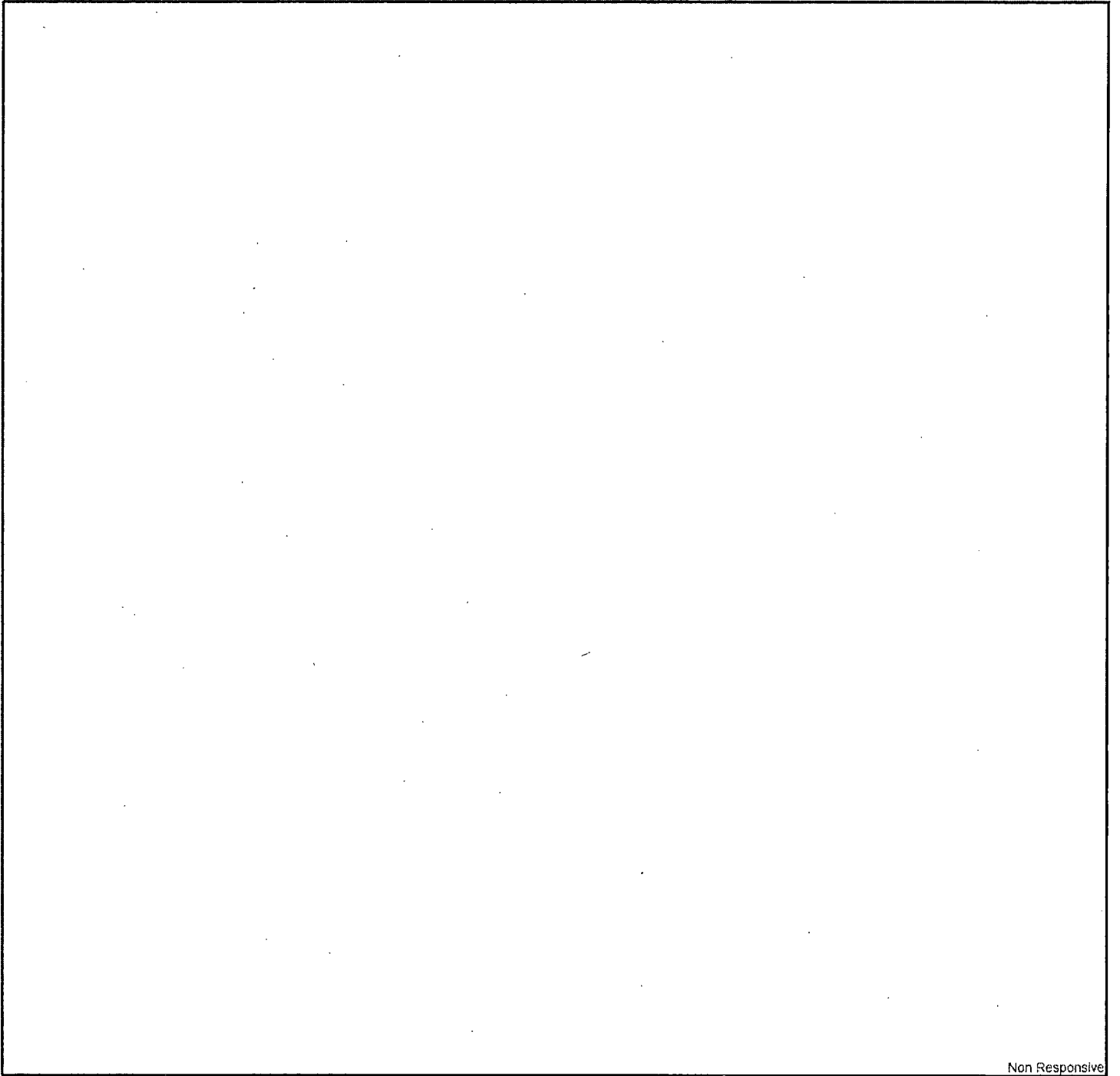
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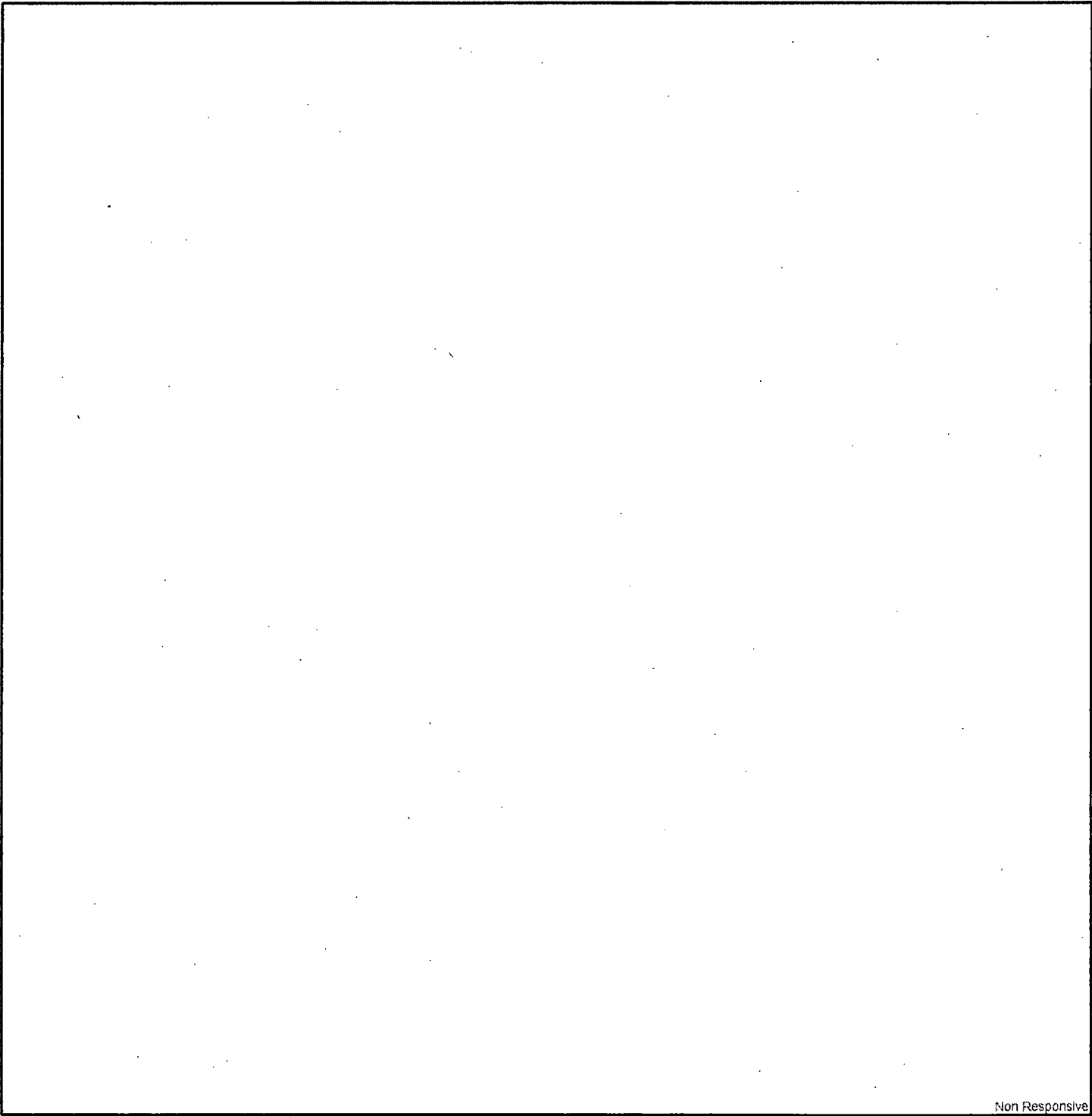
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Non Responsive

Non Responsive

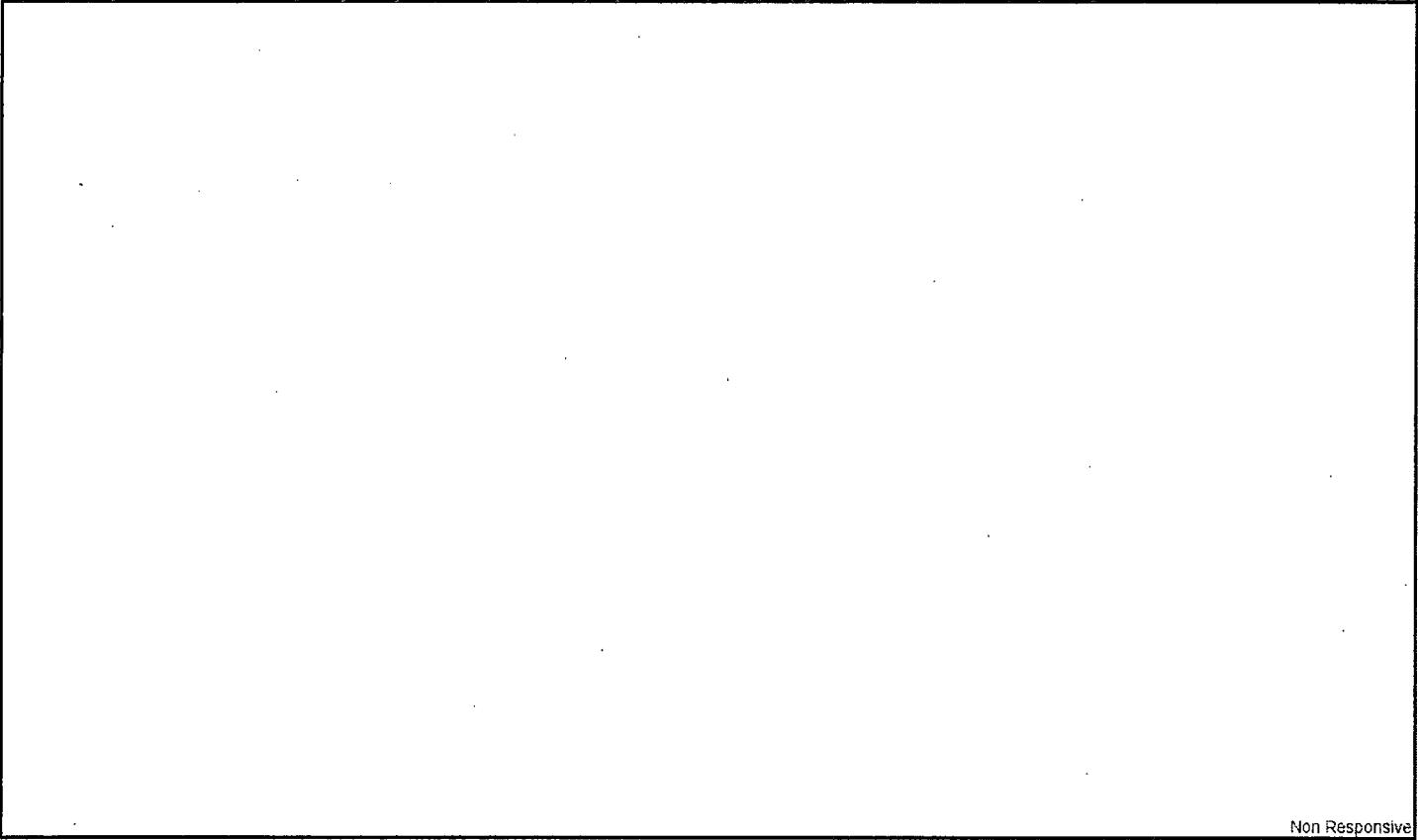


Non Responsive



Non Responsive

Non Responsive



Non Responsive



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**From:** Niedzielski-Eichner, Phillip  
**Sent:** Tuesday, December 02, 2014 10:09 PM  
**To:** Dapas, Marc; Williamson, Edward  
**Cc:** Johnson, Michael; Doane, Margaret; Itzkowitz, Marvin; Kennedy, Kriss; Dacus, Eugene; Uhle, Jennifer; Holian, Brian  
**Subject:** RE: Draft Answer to SONGS Question on Whether an LA Should Have Been Required

(b)(5)

. I forwarded the info to the Chairman earlier this evening. Best. Phil

**From:** Dapas, Marc  
**Sent:** Tuesday, December 02, 2014 7:41 PM  
**To:** Niedzielski-Eichner, Phillip; Williamson, Edward  
**Cc:** Johnson, Michael; Doane, Margaret; Itzkowitz, Marvin; Kennedy, Kriss; Dacus, Eugene; Uhle, Jennifer; Holian, Brian  
**Subject:** RE: Draft Answer to SONGS Question on Whether an LA Should Have Been Required

(b)(5)

(b)(5), (b)(6), Non Responsive

**From:** Dapas, Marc  
**Sent:** Tuesday, December 02, 2014 6:38 PM  
**To:** Niedzielski-Eichner, Phillip; Williamson, Edward  
**Cc:** Johnson, Michael; Doane, Margaret; Itzkowitz, Marvin; Kennedy, Kriss; Dacus, Eugene; Uhle, Jennifer; Holian, Brian  
**Subject:** RE: Draft Answer to SONGS Question on Whether an LA Should Have Been Required

(b)(5)

[Redacted]

(b)(5)

Non Responsive

**From:** Niedzielski-Eichner, Phillip

**Sent:** Tuesday, December 02, 2014 5:46 PM

**To:** Dapas, Marc; Williamson, Edward

**Cc:** Johnson, Michael; Doane, Margaret; Itzkowitz, Marvin; Kennedy, Kriss; Dacus, Eugene; Uhle, Jennifer; Holian, Brian

**Subject:** RE: Draft Answer to SONGS Question on Whether an LA Should Have Been Required

(b)(5)

[Redacted]

Non Responsive

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[Redacted]

Non Responsive

Best. Phil

**From:** Dapas, Marc

**Sent:** Tuesday, December 02, 2014 6:15 PM

**To:** Williamson, Edward

**Cc:** Johnson, Michael; Doane, Margaret; Itzkowitz, Marvin; Kennedy, Kriss; Niedzielski-Eichner, Phillip; Dacus, Eugene; Uhle, Jennifer; Holian, Brian

**Subject:** RE: Draft Answer to SONGS Question on Whether an LA Should Have Been Required

(b)(5)



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**From:** Rihm, Roger  
**Sent:** Monday, December 01, 2014 10:49 AM  
**To:** Uhle, Jennifer  
**Subject:** 5 one pagers as discussed  
**Attachments:** [Redacted] Non Responsive  
[Redacted] Non Responsive NRR\_Diablo Canyon Seismic  
Studies.docx; [Redacted] Non Responsive  
**Importance:** High

## ANTICIPATED QUESTIONS AND ANSWERS

### DIABLO CANYON

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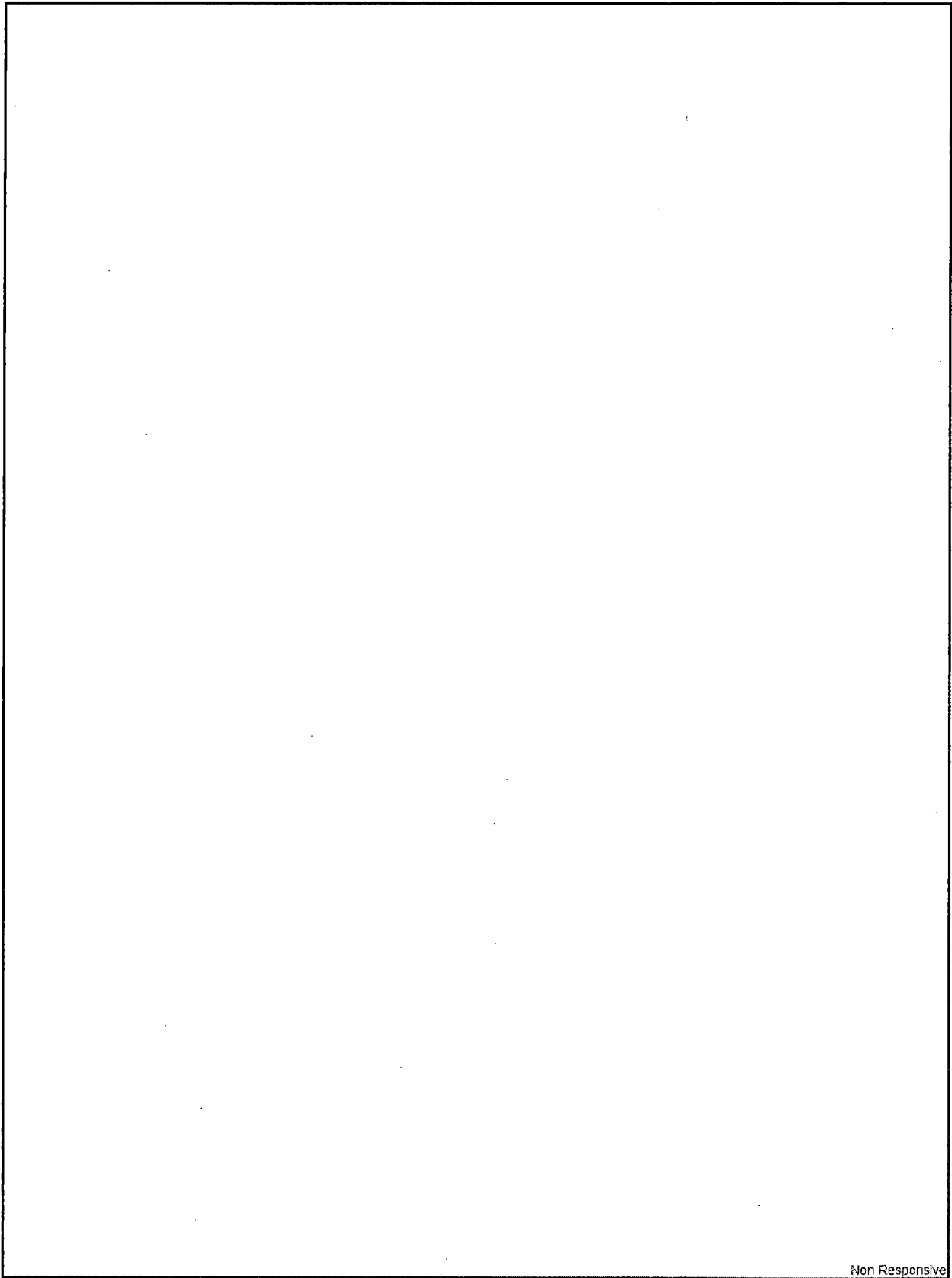
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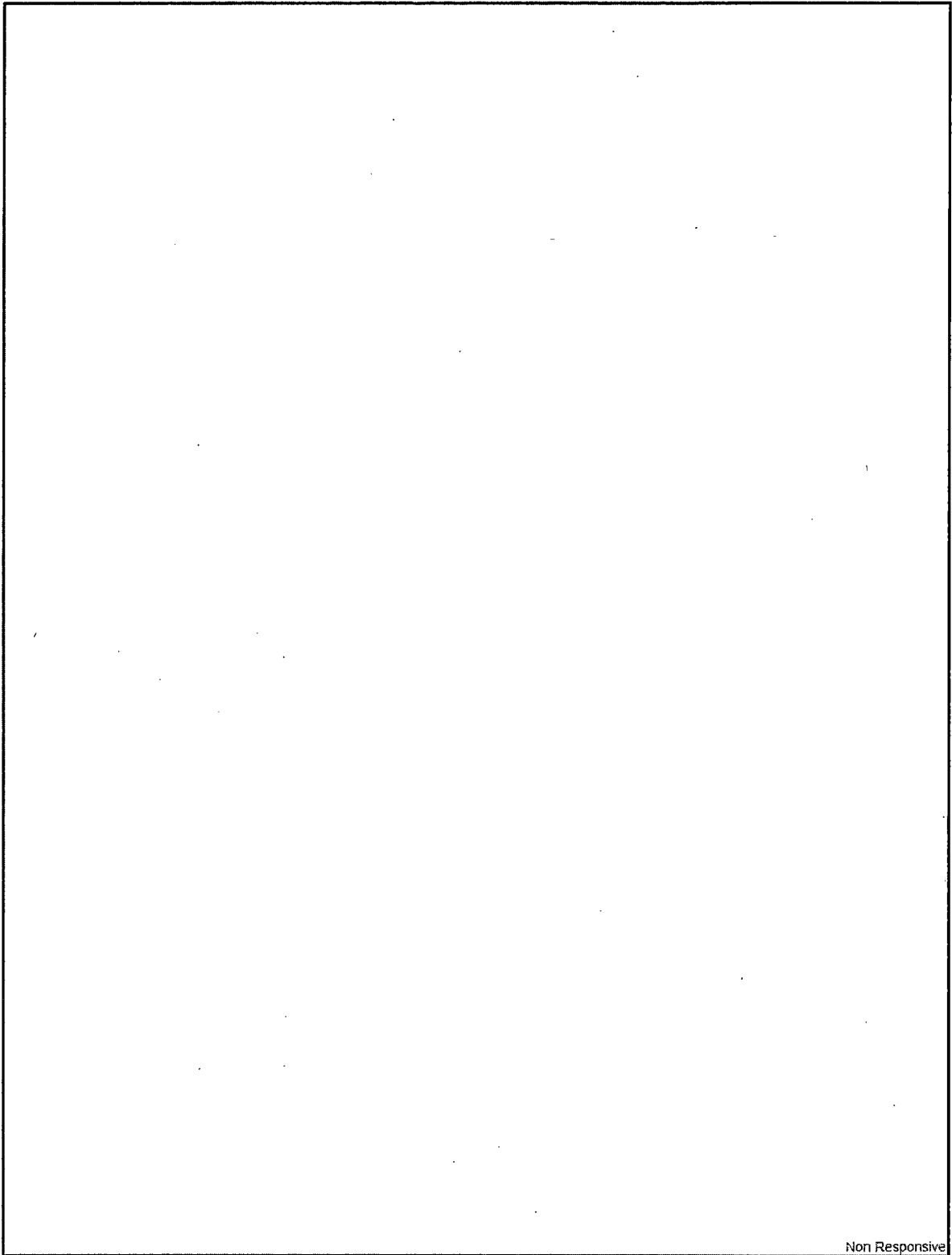
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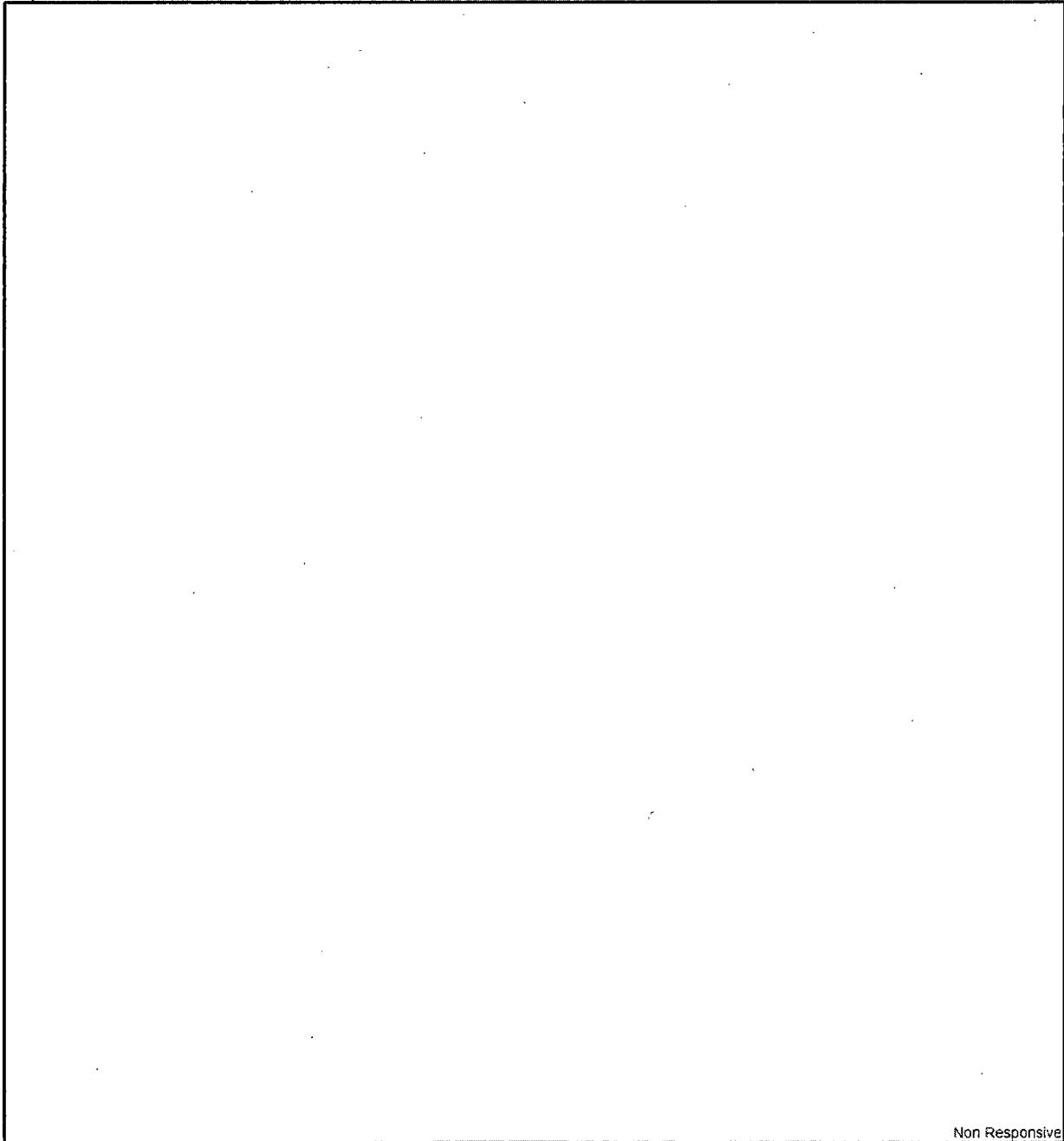


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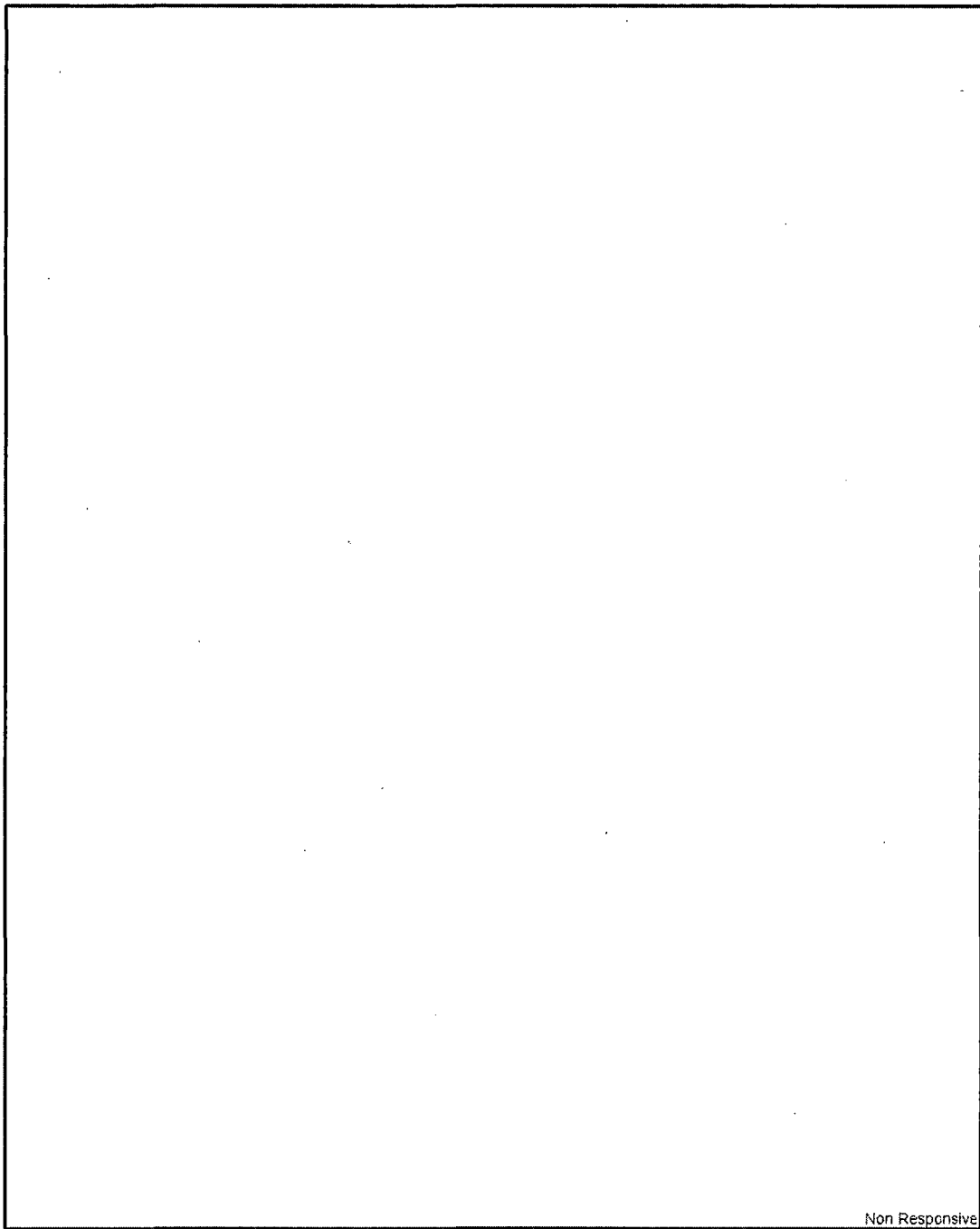
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**Diablo Canyon Seismic Studies**



Non Responsive





Non Responsive

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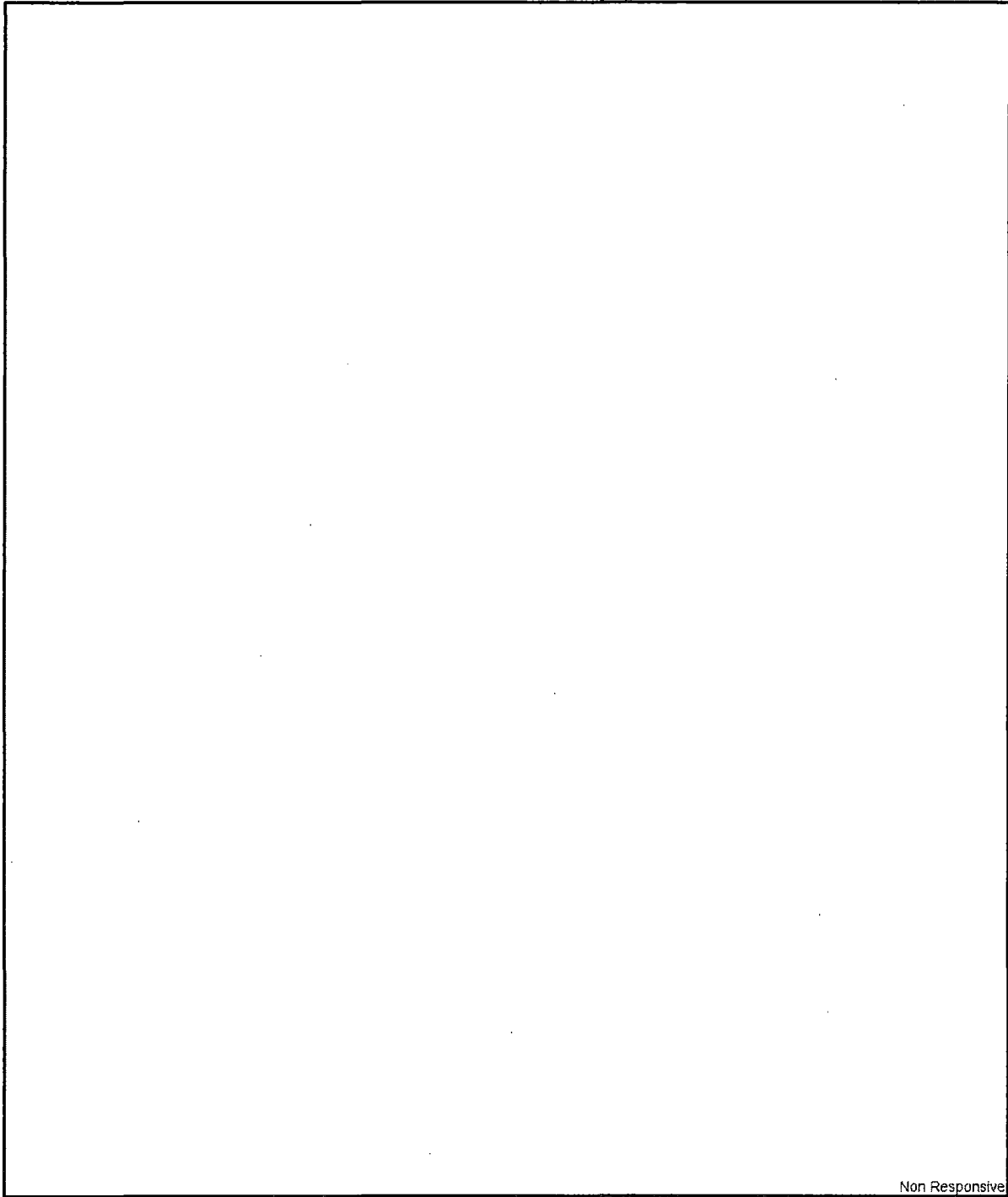
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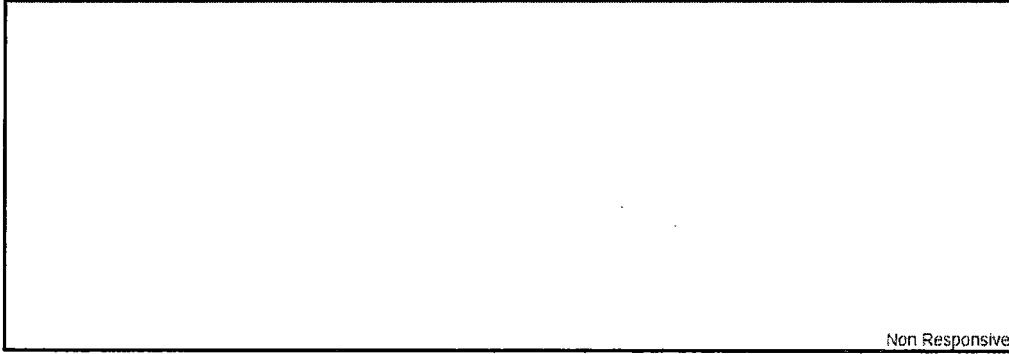
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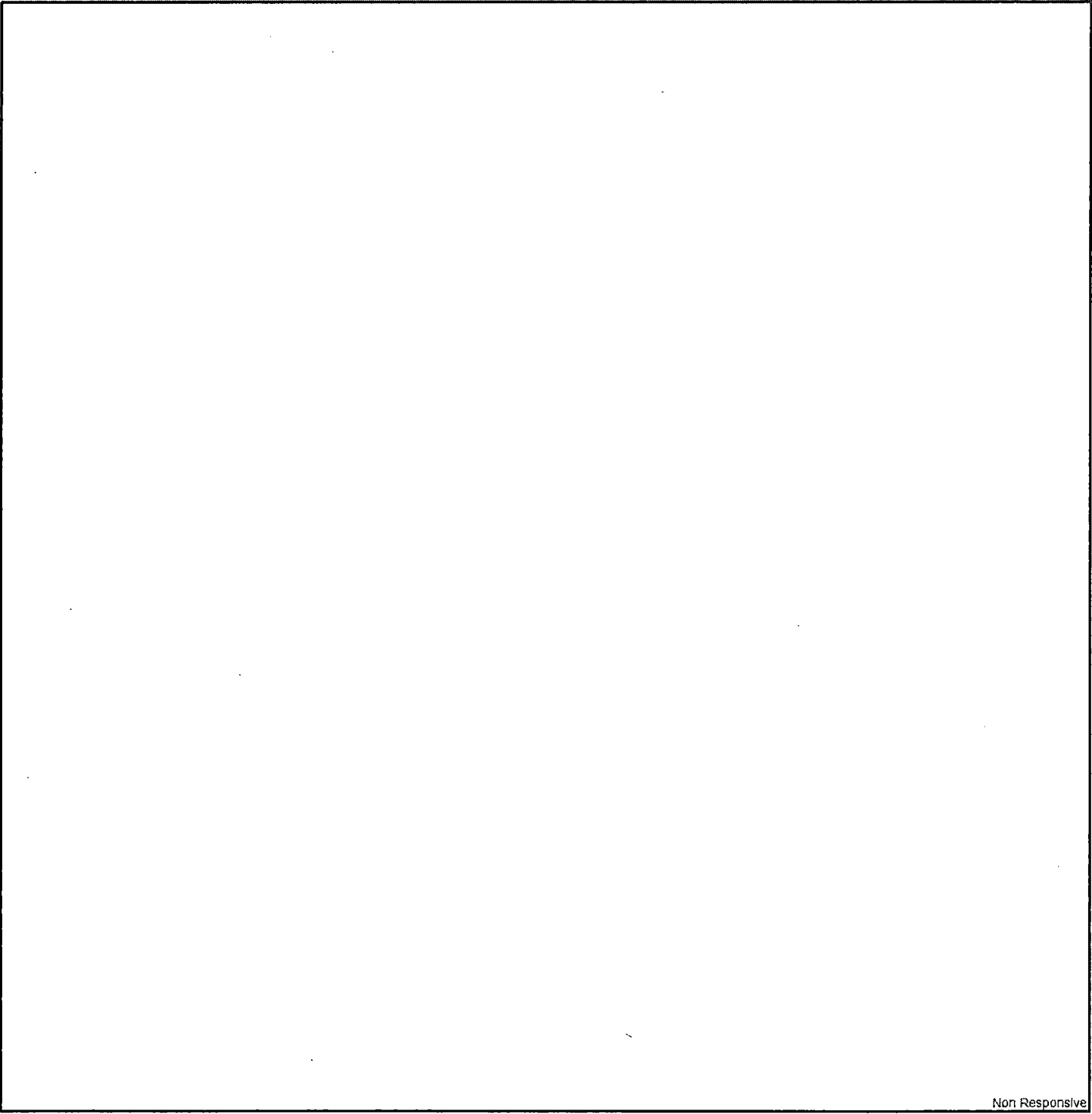


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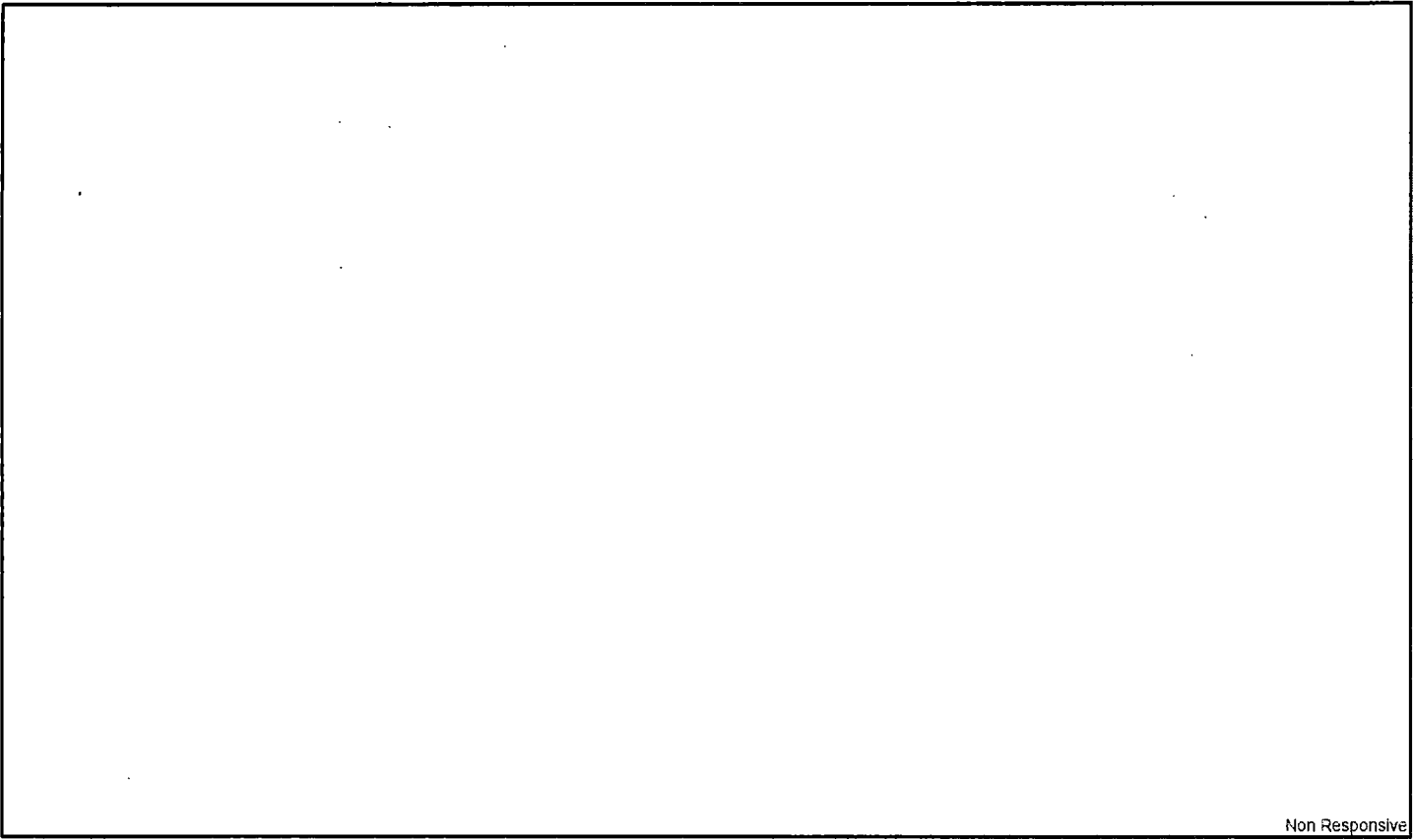
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Non Responsive







Non Responsive

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**From:** Ross-Lee, MaryJane  
**Sent:** Wednesday, November 26, 2014 11:04 AM  
**To:** Markley, Michael; Oesterle, Eric; Walker, Wayne  
**Cc:** Lubinski, John; Flanders, Scott; Kock, Andrea; Lingam, Siva; Pruett, Troy; Manoly, Kamal; Bowers, Anthony; Wilson, George; Karas, Rebecca; Li, Yong; Evans, Michele; Oesterle, Eric; Uhle, Jennifer  
**Subject:** RE: Chairman request for NRO/RES personnel to meet re: DCP

Mike, thanks for offering to be sure the seismic guys on the operating reactor side are in the loop on Diablo. We appreciate it!

Mary Jane Ross-Lee (MJ)  
Deputy Director, Division of Engineering  
Office of Nuclear Reactor Regulation  
OWFN 9H1  
US Nuclear Regulatory Commission  
☎ Office: 301-415-3298  
📱 Mobile: (b)(6)  
✉ e-mail: [maryjane.ross-lee@nrc.gov](mailto:maryjane.ross-lee@nrc.gov)

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**From:** Markley, Michael  
**Sent:** Wednesday, November 26, 2014 10:04 AM  
**To:** Oesterle, Eric; Walker, Wayne  
**Cc:** Lubinski, John; Ross-Lee, MaryJane; Flanders, Scott; Kock, Andrea; Lingam, Siva; Pruett, Troy; Manoly, Kamal; Bowers, Anthony; Wilson, George; Karas, Rebecca; Li, Yong; Evans, Michele; Oesterle, Eric; Uhle, Jennifer  
**Subject:** Chairman request for NRO/RES personnel to meet re: DCP

All,

The purpose of this note is to keep you informed that the Chairman has asked to meet with Cliff Munson, Jon Ake, and Nilesh Choksi on December 1 or 2 regarding Diablo Canyon. It is not apparent what the details of this discussion will be, but the Chairman has had a long-standing and ongoing dialogue with these individuals regarding seismic at Diablo Canyon. My suspicion is that this may have some bearing on her preparation for the upcoming hearings and preparation materials that have been compiled. We will keep you informed of any issues or questions that may become apparent.

Mike

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**From:** Ross-Lee, MaryJane  
**Sent:** Thursday, November 06, 2014 4:20 PM  
**To:** Uhle, Jennifer  
**Subject:** RE: addressing manager's comments on DCPD Op Det

I just did – didn't realize they were both in training. I asked them to come to you.

Mary Jane Ross-Lee (MJ)  
Deputy Director, Division of Engineering  
Office of Nuclear Reactor Regulation  
OWFN 9H1  
US Nuclear Regulatory Commission  
☎ Office: 301-415-3298  
① Mobile: (b)(6)  
✉ e-mail: [maryjane.ross-lee@nrc.gov](mailto:maryjane.ross-lee@nrc.gov)

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**From:** Uhle, Jennifer  
**Sent:** Thursday, November 06, 2014 4:19 PM  
**To:** Ross-Lee, MaryJane  
**Subject:** RE: addressing manager's comments on DCPD Op Det

MJ, can you get an admin to track them down?

Thanks,

Jennifer

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**From:** Ross-Lee, MaryJane  
**Sent:** Thursday, November 06, 2014 3:26 PM  
**To:** Li, Yong; Chokshi, Nilesh  
**Cc:** Uhle, Jennifer  
**Subject:** FW: addressing manager's comments on DCPD Op Det  
**Importance:** High

Can the 2 of you please go up and see Jennifer?

Mary Jane Ross-Lee (MJ)  
Deputy Director, Division of Engineering  
Office of Nuclear Reactor Regulation  
OWFN 9H1  
US Nuclear Regulatory Commission  
☎ Office: 301-415-3298  
① Mobile: (b)(6)  
✉ e-mail: [maryjane.ross-lee@nrc.gov](mailto:maryjane.ross-lee@nrc.gov)

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**From:** Uhle, Jennifer  
**Sent:** Thursday, November 06, 2014 3:24 PM  
**To:** Ross-Lee, MaryJane; Dean, Bill; Holian, Brian

**Cc:** Pruett, Troy; Lubinski, John  
**Subject:** RE: addressing manager's comments on DCPD Op Det

Hi guys I have questions on the second paragraph on page 2. It is not making sense to me. Can we chat today? J

**From:** Ross-Lee, MaryJane  
**Sent:** Thursday, November 06, 2014 1:16 PM  
**To:** Dean, Bill; Holian, Brian; Uhle, Jennifer  
**Cc:** Pruett, Troy; Lubinski, John  
**Subject:** FW: addressing manager's comments on DCPD Op Det

Bill/Jennifer/Brian,

Between NRR and NRO, we collectively addressed all the comments except the one below.

NRO believes that the original wording is better in describing the DDE loads.

The original reads,

"However, the DDE tends to control the SSCs with natural frequencies only in the lower range."

The comments reads,

"However, the DDE loads are the most severe loads on the SSCs with natural frequencies only in the lower range."

Therefore, it was not changed.

Mary Jane Ross-Lee (MJ)  
Deputy Director, Division of Engineering  
Office of Nuclear Reactor Regulation  
OWFN 9H1  
US Nuclear Regulatory Commission  
☎ Office: 301-415-3298  
📞 Mobile: (b)(6)  
✉ e-mail: [maryjane.ross-lee@nrc.gov](mailto:maryjane.ross-lee@nrc.gov)

**From:** Li, Yong  
**Sent:** Thursday, November 06, 2014 12:51 PM  
**To:** Ross-Lee, MaryJane  
**Cc:** Lubinski, John; Lupold, Timothy; Manoly, Kamal  
**Subject:** addressing manager's comments

MJ,

We, between NRR and NRO, collectively addressed all the comments from the senior managers except the one below.

NRO believes that the original wording is better in describing the DDE loads.

The original reads,

"However, the DDE tends to control the SSCs with natural frequencies only in the lower range."

The comments reads,

"However, the DDE loads are the most severe loads on the SSCs with natural frequencies only in the lower range."

Therefore, it is not changed.

Thanks!

Yong

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**From:** Ross-Lee, MaryJane  
**Sent:** Thursday, November 06, 2014 7:48 PM  
**To:** Uhle, Jennifer  
**Cc:** Ross-Lee, MaryJane; Dean, Bill; Holian, Brian; Pruett, Troy; Lubinski, John; Chokshi, Nilesh; Kock, Andrea; Li, Yong  
**Subject:** RE: addressing manager's comments on DCPD Op Det

Thanks. We will finalize and send to Region 4.

MJ Ross-Lee  
Deputy Director, Division of Engineering, NRR.  
Sent via My Workspace for iOS

(b)(6)

On Thursday, November 6, 2014 at 5:59:14 PM, "Uhle, Jennifer" <[Jennifer.Uhle@nrc.gov](mailto:Jennifer.Uhle@nrc.gov)> wrote:

Based on my discussion with Nilesh, Andrea and Yong, I modified it a bit and hopefully the final is attached. J

**From:** Ross-Lee, MaryJane  
**Sent:** Thursday, November 06, 2014 1:16 PM  
**To:** Dean, Bill; Holian, Brian; Uhle, Jennifer  
**Cc:** Pruett, Troy; Lubinski, John  
**Subject:** FW: addressing manager's comments on DCPD Op Det

Bill/Jennifer/Brian,

Between NRR and NRO, we collectively addressed all the comments except the one below.

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The comments reads.

"However, the DDE loads are the most severe loads on the SSCs with natural frequencies only in the lower range."

Therefore, it was not changed.

Mary Jane Ross-Lee (MJ)  
Deputy Director, Division of Engineering  
Office of Nuclear Reactor Regulation  
OWFN 9H1  
US Nuclear Regulatory Commission  
☎ Office: 301-415-3298  
📱 Mobile: (b)(6)

e-mail: [maryjane.ross-lee@nrc.gov](mailto:maryjane.ross-lee@nrc.gov)

**From:** Li, Yong  
**Sent:** Thursday, November 06, 2014 12:51 PM  
**To:** Ross-Lee, MaryJane  
**Cc:** Lubinski, John; Lupold, Timothy; Manoly, Kamal  
**Subject:** addressing manager's comments

MJ,

We, between NRR and NRO, collectively addressed all the comments from the senior managers except the one below.

NRO believes that the original wording is better in describing the DDE loads.

The original reads,

"However, the DDE tends to control the SSCs with natural frequencies only in the lower range."

The comments reads,

"However, the DDE loads are the most severe loads on the SSCs with natural frequencies only in the lower range."

Therefore, it is not changed.

Thanks!

Yong

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**From:** Ross-Lee, MaryJane  
**Sent:** Friday, November 07, 2014 10:09 AM  
**To:** Pruett, Troy; Holian, Brian; Uhle, Jennifer; Dean, Bill  
**Cc:** Lubinski, John; Kock, Andrea; Flanders, Scott  
**Subject:** FW: RG IV Diablo Canyon Seismic Operability Inspection Report Input  
**Attachments:** DCPP\_operability\_NRC.docx

After collaboration between NRO and NRR, the attached was transmitted to Region 4 today.

Mary Jane Ross-Lee (MJ)  
Deputy Director, Division of Engineering  
Office of Nuclear Reactor Regulation  
OWFN 9H1  
US Nuclear Regulatory Commission  
☎ Office: 301-415-3298  
📱 Mobile: (b)(6)  
✉ e-mail: [maryjane.ross-lee@nrc.gov](mailto:maryjane.ross-lee@nrc.gov)

---

**From:** Lupold, Timothy  
**Sent:** Friday, November 07, 2014 9:12 AM  
**To:** Walker, Wayne; Alexander, Ryan; Hipschman, Thomas  
**Cc:** Lubinski, John; Ross-Lee, MaryJane; Wilson, George; Ake, Jon; Manoly, Kamal; Markley, Michael; Karas, Rebecca; Li, Yong; Munson, Clifford; Oesterle, Eric  
**Subject:** RG IV Diablo Canyon Seismic Operability Inspection Report Input

Attached is information provided by the Office of Nuclear Reactor Regulation, Division of Engineering relating to the Diablo Canyon Seismic Operability Inspection currently being conducted by Region IV. This information is provided for inclusion into the inspection report as you deem appropriate. This information has been vetted through personnel in the Office of New Reactors, Division of Site Safety and Environmental Analysis, Geoscience and Geotechnical Engineering Branch 1, Office of Nuclear Regulatory Research, Division of Engineering, and NRR, Division of Operating Reactor Licensing. If you have any questions, please contact me or Yong Li (301-415-4141).

Timothy R. Lupold  
Chief, Mechanical & Civil Engineering Branch  
Division of Engineering  
Office of Nuclear Reactor Regulation  
[Timothy.Lupold@nrc.gov](mailto:Timothy.Lupold@nrc.gov)  
301-415-6448



**From:** Sebrosky, Joseph  
**To:** Oesterle, Eric  
**Subject:** FW: info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG  
**Date:** Monday, September 22, 2014 7:49:00 AM

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FYI – per our discussion. I should have included you on the original. If you look at the bottom you will see the link to the former SRI's statements.

Joe

**From:** Case, Michael  
**Sent:** Monday, September 22, 2014 6:56 AM  
**To:** O'Keefe, Neil; Sebrosky, Joseph  
**Cc:** Markley, Michael; Walker, Wayne; Hipschman, Thomas; Balazik, Michael  
**Subject:** RE: info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG

Hi Joe. I agree with Neil. Although there are things in there that are not correct, I didn't see anything that is worthy of yet another round of examination.

**From:** O'Keefe, Neil  
**Sent:** Saturday, September 20, 2014 12:45 PM  
**To:** Sebrosky, Joseph  
**Cc:** Markley, Michael; Case, Michael; Walker, Wayne; Hipschman, Thomas; Balazik, Michael  
**Subject:** RE: info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG

All,

I read Peck's response to the DPO appeal answer, and I did not identify any new information.

It contains the same factual errors and misunderstandings that were presented and answered in his DPO and DPO appeal. It also contains the same kind of over-statements about what the regulations require and misstatements about what the NRC and licensee did, and why. I interpret this to mean that he has dismissed the official answers the NRC has provided to his DPO and DPO appeal.

I do not believe there are any statements of impropriety on any individuals, nor do I see any value to sending to the OIG; however, I always believe that if anyone feels it appropriate to do so, I will support them with the same energy I supported Peck's DPO. Knowing Michael, I interpret his writing as unusually patient and restrained with respect to his statements about the NRC.

Neil O'Keefe  
Chief, Branch B  
DRP, RIV  
(817) 200-1141 (o)

(b)(6) (c)

**From:** Sebrosky, Joseph

**Sent:** Friday, September 19, 2014 11:44 AM

**To:** Markley, Michael; OKeefe, Neil; Case, Michael

**Cc:** Walker, Wayne; Hipschman, Thomas; Balazik, Michael

**Subject:** info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG

To all,

The link below is to an article written by Michael Peck on 9/15/14. You can get to the article by following the link in the "NRC in the news today" summary of a San Luis Obispo new times piece. Anyway the article from the former senior resident inspector has very unflattering things to say about Region IV, me, and the DPO panel. Taking a step back it would appear to me that the whole thing needs to be turned over to the IG.

Let me know if I am missing something

Link to article in San Luis Obispo new times

<http://www.newtimesslo.com/news/11442/solid-ground-two-reports-claim-diablo-canyon-is-safe-from-earthquakes/>

Bottom of article has a link to the former senior resident inspector response to the release of the DPO information

[http://issuu.com/ntmg/docs/summary\\_of\\_diablo\\_canyon\\_dpo\\_-\\_sep/0](http://issuu.com/ntmg/docs/summary_of_diablo_canyon_dpo_-_sep/0)

**From:** Hiland, Patrick  
**To:** Sebrosky, Joseph  
**Subject:** RE: DPO panel members  
**Date:** Monday, September 22, 2014 7:22:14 AM

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thx

**From:** Sebrosky, Joseph  
**Sent:** Friday, September 19, 2014 6:00 PM  
**To:** Hiland, Patrick  
**Subject:** FW: DPO panel members

Pat,

Page 3 of 164 provides who the DPO submitter wanted on the panel. The signature on the panel report indicates that it was an SRA from Region II that was on the panel at the submitter's request. The name of the individual is Rudy Bernard.

Joe

**From:** Sebrosky, Joseph  
**Sent:** Thursday, September 18, 2014 9:34 AM  
**To:** Hiland, Patrick  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Oesterle, Eric; Wilson, George; Walker, Wayne; OKeefe, Neil; Hipschman, Thomas; Munson, Clifford; Manoly, Kamal; Hill, Brittain  
**Subject:** RE: Proposed Questions to PG&E

Pat,

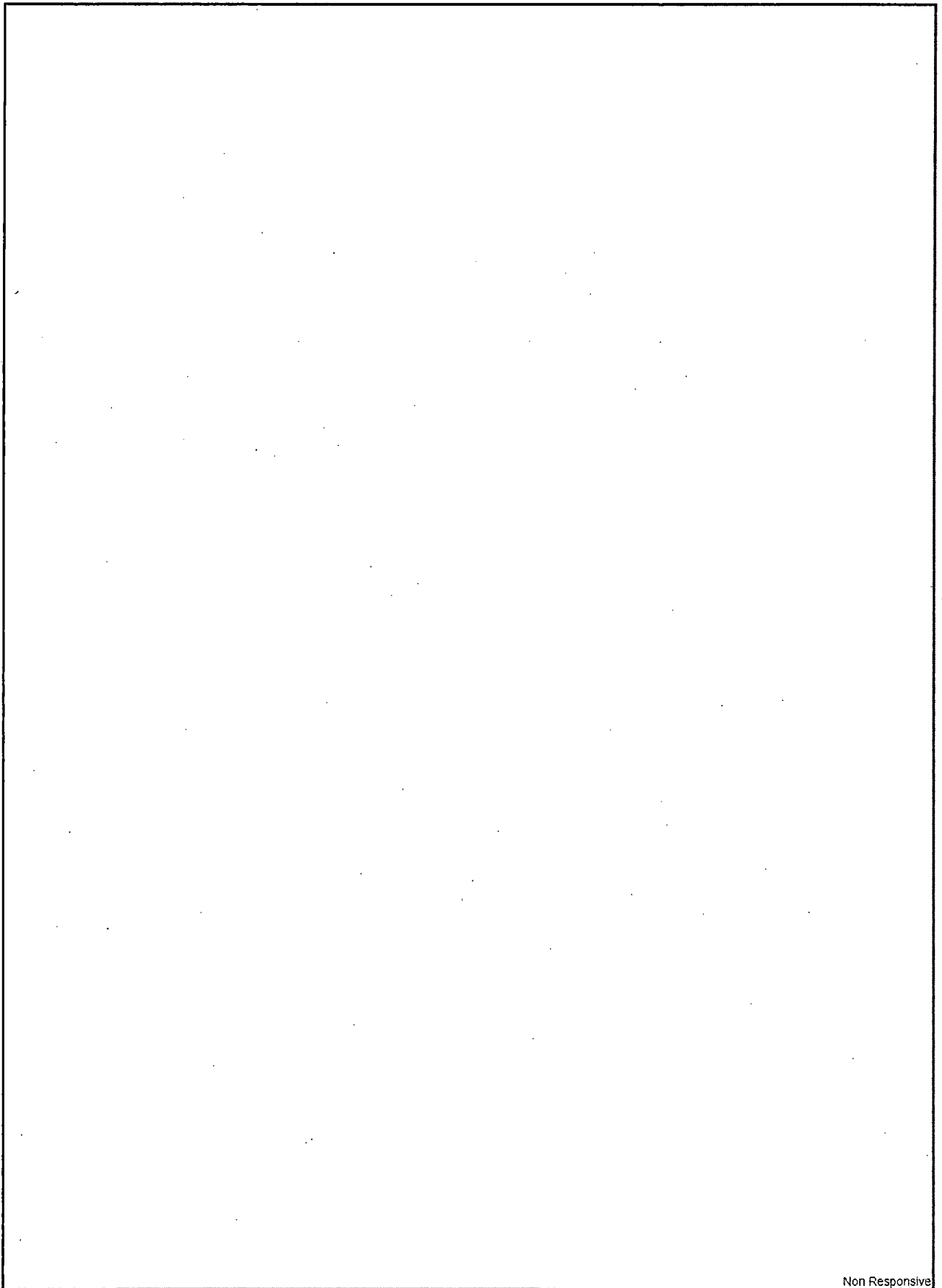
The purpose of this email is to provide you with the reference documents that I discussed with you this morning that serves as the basis for why I believe it is important to understand PG&E's position on whether or not in-structure motions (different damping values and comparisons) have been done. Specifically I referenced information that is in the DPO. The DPO case file can be found at: [ML14252A743](#)

The case file is 164 pages long. The most important portion of the case file to me is the last 5 pages (i.e., 159 – 164) that documents the EDO's appeal decision. The 5 page document provides a concise history of the issue and also includes the following discussion on page 4:

*Nevertheless, your questioning attitude and perseverance were key to ensuring that the licensee and staff fully evaluated the implications of the Shoreline fault zone. You correctly noted that the seismic hazard should be evaluated for not only comparison of the ground motion response spectra, but also the plant's design and construction to ensure continued safe operation.*

I understand that the in-structure motions calculations were not part of the basis for the operability determination that was made in the October 2012 time frame. Nevertheless it would appear to me that the EDO agrees that they should have been done. Based on the

Non Responsive



Non Responsive

Non Responsive

**From:** Hill, Brittain  
**Sent:** Wednesday, September 17, 2014 5:32 PM  
**To:** Manoly, Kamal; Munson, Clifford  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph  
**Subject:** Re: Proposed Questions to PG&E

Without the clarification on damping, we end up with the same confusing issues as 2 non concurrences, a DPO, the 2014 union Conc sci report, and recent petition by FOE. If damping clarified, stops all this confusion in its tracks and gives clear basis for decisions. This is not a pure engineering exercise, and what you are portraying as "noise" is ano important consideration in clearly explaining why or why not we think DCPD is safe to operate. If there still are dissenting views, i suggest we discuss them at tomorrow's meeting before call.

Britt

Sent from Brittain Hill's PDA

(b)(6)

**From:** Manoly, Kamal  
**Sent:** Wednesday, September 17, 2014 04:58 PM Eastern Standard Time  
**To:** Hill, Brittain; Munson, Clifford  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph  
**Subject:** RE: Proposed Questions to PG&E

I mentioned RG 1.61 to illustrate a point. I know from my involvement with Diablo since the mid-eighties that the plant was licensed to damping values that are different from RG 1.61. I also knew that some components are governed by DDE and others by Hosgri. From doing actual design of components in nuclear plants, designers know that some components may be governed by OBE and others by SSE. Still, the argument about damping should not be relevant to altering the evaluation done by PG&E in 2011 except for the change of ground motion (old shoreline line vs. new shoreline hazard). That is the only variable of significance. The rest is in the noise level from an engineering standpoint.

## **Kamal Manoly**

**Senior Level Technical Advisor for Structural Mechanics**

**Division of Engineering**

**Office of Nuclear Reactor Regulation**

**301-415-2765**

**From:** Hill, Brittain

**Sent:** Wednesday, September 17, 2014 4:17 PM

**To:** Manoly, Kamal; Munson, Clifford

**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph

**Subject:** Re: Proposed Questions to PG&E

Please read ch 2,3, and 5 in DCPD SAR to see that Hosgri is not limiting demand - can be either HE or DDE. PGE also didnt use RG 1.61 damping for all Cat1 SSCs. Please look at SAR for their mix. Unless they identify appropriate damping etc, we simply cannot state that new info is bounded by existing lic basis. If new Shoreline exceeds DDE, and DDE is the SSE and limiting GM (NOT Hosgri!) for some SSCs, we certainly need PGE to state what damping is appropriate for new info: DDE, HE, RG1.61, or something else.

Britt

Sent from Brittain Hill's PDA

(b)(6)

**From:** Manoly, Kamal

**Sent:** Wednesday, September 17, 2014 04:06 PM Eastern Standard Time

**To:** Munson, Clifford

**Cc:** Ake, Jon; Hill, Brittain; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph

**Subject:** Proposed Questions to PG&E

Cliff,

I see no relevance or value from asking PG&E question #5 about "In-structure motions (different damping values & appropriate comparisons)". The sole focus should be on confirming that PG&E new shoreline fault ground motion estimate is reasonable and acceptable to the staff. With such confirmation, then, the hazard from the shoreline fault would be bounded by the "Old" Hosgri. That should be the end point of our assessment of the CA report.

Introducing a question as to whether the damping values to be used for the 2014 hazard estimate of the shoreline fault may be different from that used in the 2011 evaluation would be pointless and shifting the focus to a totally unrelated issue. You will never find any documented reference that correlates slight change in hazard vs damping values for structural materials. Remember, in RG 1.61 we prescribe (for a specific structural material) a single damping value to be used by ALL plants in the US for OBEs and another for ALL SSEs regardless of the location. The reason is based on acceptable understanding that viscous structural damping would generally

be lower at lower deformation level. We know that ground motion estimates for OBEs and SSEs vary greatly from low seismic regions such as the Gulf States vs. high seismic regions such as CA. For this reasoning, asking the question about the effect of different damping values on in-structural response due to slight change in hazard would be worthless and totally distracting from the central issue in the CA report.

## **Kamal Manoly**

**Senior Level Technical Advisor for Structural Mechanics**

**Division of Engineering**

**Office of Nuclear Reactor Regulation**

**301-415-2765**

**From:** Sebrosky, Joseph  
**To:** Wilson, George  
**Subject:** FW: info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG  
**Date:** Monday, September 22, 2014 5:11:00 AM

---

George,

The email chain below includes a link to Mr. Peck's response to the DPO appeal being published. My read of it was not the same as Neil's read on it.

Joe

**From:** OKeefe, Neil  
**Sent:** Saturday, September 20, 2014 12:45 PM  
**To:** Sebrosky, Joseph  
**Cc:** Markley, Michael; Case, Michael; Walker, Wayne; Hipschman, Thomas; Balazik, Michael  
**Subject:** RE: info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG

All,

I read Peck's response to the DPO appeal answer, and I did not identify any new information.

It contains the same factual errors and misunderstandings that were presented and answered in his DPO and DPO appeal. It also contains the same kind of over-statements about what the regulations require and misstatements about what the NRC and licensee did, and why. I interpret this to mean that he has dismissed the official answers the NRC has provided to his DPO and DPO appeal.

I do not believe there are any statements of impropriety on any individuals, nor do I see any value to sending to the OIG; however, I always believe that if anyone feels it appropriate to do so, I will support them with the same energy I supported Peck's DPO. Knowing Michael, I interpret his writing as unusually patient and restrained with respect to his statements about the NRC.

Neil O'Keefe  
Chief, Branch B  
DRP, RIV  
(817) 200-1141 (o)  

(b)(6)

 (c)

**From:** Sebrosky, Joseph  
**Sent:** Friday, September 19, 2014 11:44 AM  
**To:** Markley, Michael; OKeefe, Neil; Case, Michael  
**Cc:** Walker, Wayne; Hipschman, Thomas; Balazik, Michael  
**Subject:** info and possible action: former senior resident article dated 9/15 appears to raise issues that should be turned over to the IG

The rest of this string may be found as document C/8.

C/10



**From:** Sebrosky, Joseph  
**To:** Bowers, Anthony; Dudek, Michael; Karas, Rebecca; Buchanan, Theresa; Walker, Wayne; Hipschman, Thomas; Manoly, Kamal; Li, Yong; Williams, Megan; Oesterle, Eric; Lupold, Timothy; Farnholtz, Thomas; Tom Hipschman; Lund, Louise; Pruett, Troy; Hay, Michael; Hiland, Patrick; Wilson, George; Kock, Andrea; Roth(OGC), David; Young, Mitzl; Harris, Brian; Kanatas, Catherine; Burnell, Scott  
**Cc:** Flanders, Scott  
**Subject:** internal meeting to discuss Diablo operability determination associated with new seismic information in the State of California report  
**Start:** Friday, September 19, 2014 1:00:00 PM  
**End:** Friday, September 19, 2014 2:00:00 PM  
**Location:** HQ-OWFN-09B06-12p  
**Attachments:** PGE spectral comparison.pptx

---

Bridge: 888-677-0690

Passcode: (b)(6)

Purpose: internal meeting with SES managers to discuss process going forward for Diablo Canyon operability determination associated with new seismic information in the State of California report

Outcome: Decision made on how to proceed

**Agenda:**

Non Responsive

Public released DPO and DPO appeal suggests in the 2012 time frame the licensee should have also compared the new hazards to the DDE  
DPO decision documents the additional analysis that was done by the licensee

Non Responsive

Issue – what is the NRC's position on the calcs that the licensee should do to verify operability  
Position that no additional calcs are needed  
Position that calcs or comparisons are needed based on precedence set in DPO

Non Responsive

**III. Recommendation**

Non Responsive

Next steps  
Wrapup

Non Responsive

C/11

Non Responsive

Non Responsive

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**From:** Sebrosky, Joseph  
**Sent:** Tuesday, September 23, 2014 6:05 AM  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(OGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea; Young, Mitzi; Harris, Brian  
**Subject:** RE: info: status of diablo operability review 9-23-14

To all,

The purpose of this email is to provide you with the results of an inspection phone call with the licensee yesterday (9/22) regarding the Diablo Canyon operability review.

Non Responsive

During the call PG&E provided the following information:

Non Responsive

- PG&E indicated that based on a question from RIV last Friday (9/19) it was rerunning the calculations used to support the resolution of the DPO (see description in DPO case file pdf page 62 of 164 at [ML14252A743](#) which discusses the scaling factors used in the March 2014 PG&E analysis). PG&E indicated that it did not believe that the analysis was needed to demonstrate operability. Nevertheless, PG&E was rerunning the analysis with the data from the 2014 State of California report and should have the results for the Region to review by the end of this week.

Non Responsive

Please let me know if you have any questions.

Thanks,

Joe

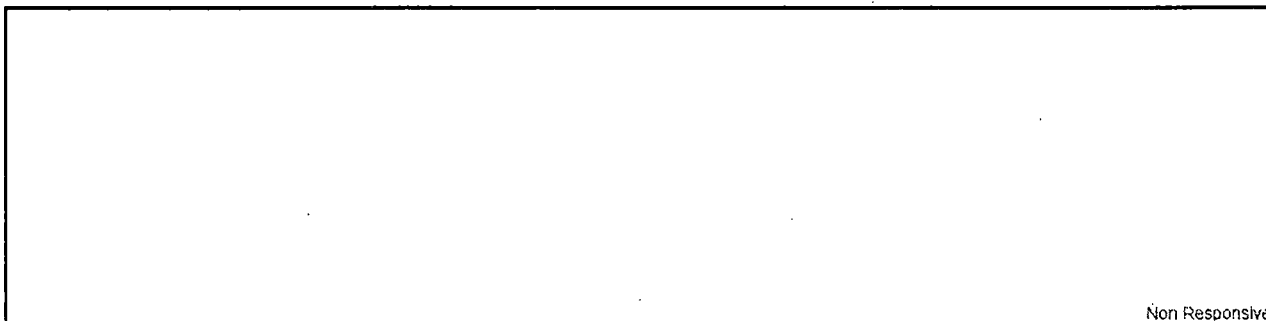
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**From:** Sebrosky, Joseph  
**Sent:** Thursday, September 25, 2014 12:51 PM  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea; Harris, Brian; Vaidya, Bhalchandra; Klett, Audrey; Smith, Chris  
**Subject:** info: status of diablo operability review 9-25-14

To all,

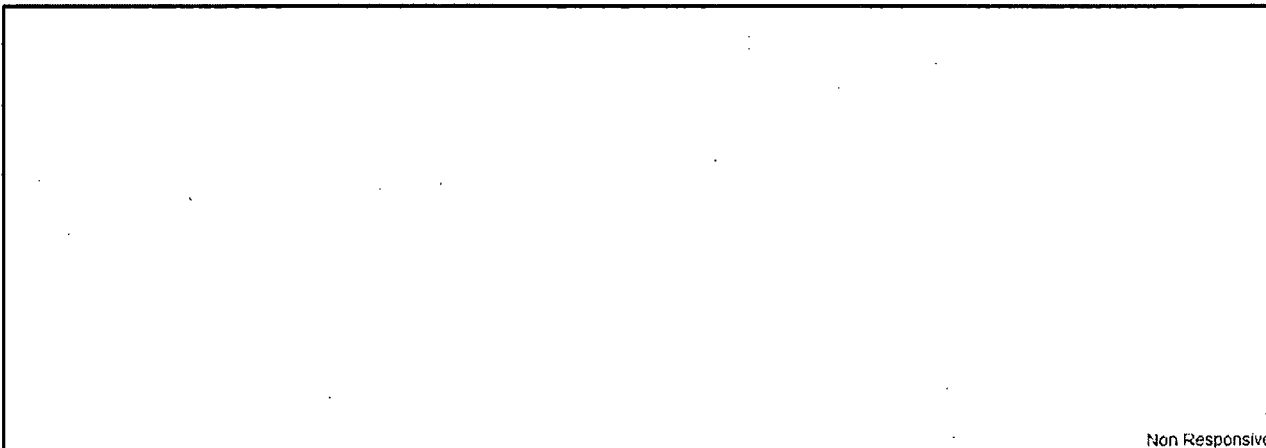
The purpose of this email is to provide you with updated status regarding the Diablo Canyon operability review. This email includes updates on the status of NRC inspection information requests and the assignment of additional headquarters PMs to help with the workload.

- Based on discussions RIV had with PG&E today, PG&E is targeting providing information that was requested on 9/22 either late today or sometime tomorrow to support the NRC's review of the operability determination. The information that RIV requested was in the following 3 areas:

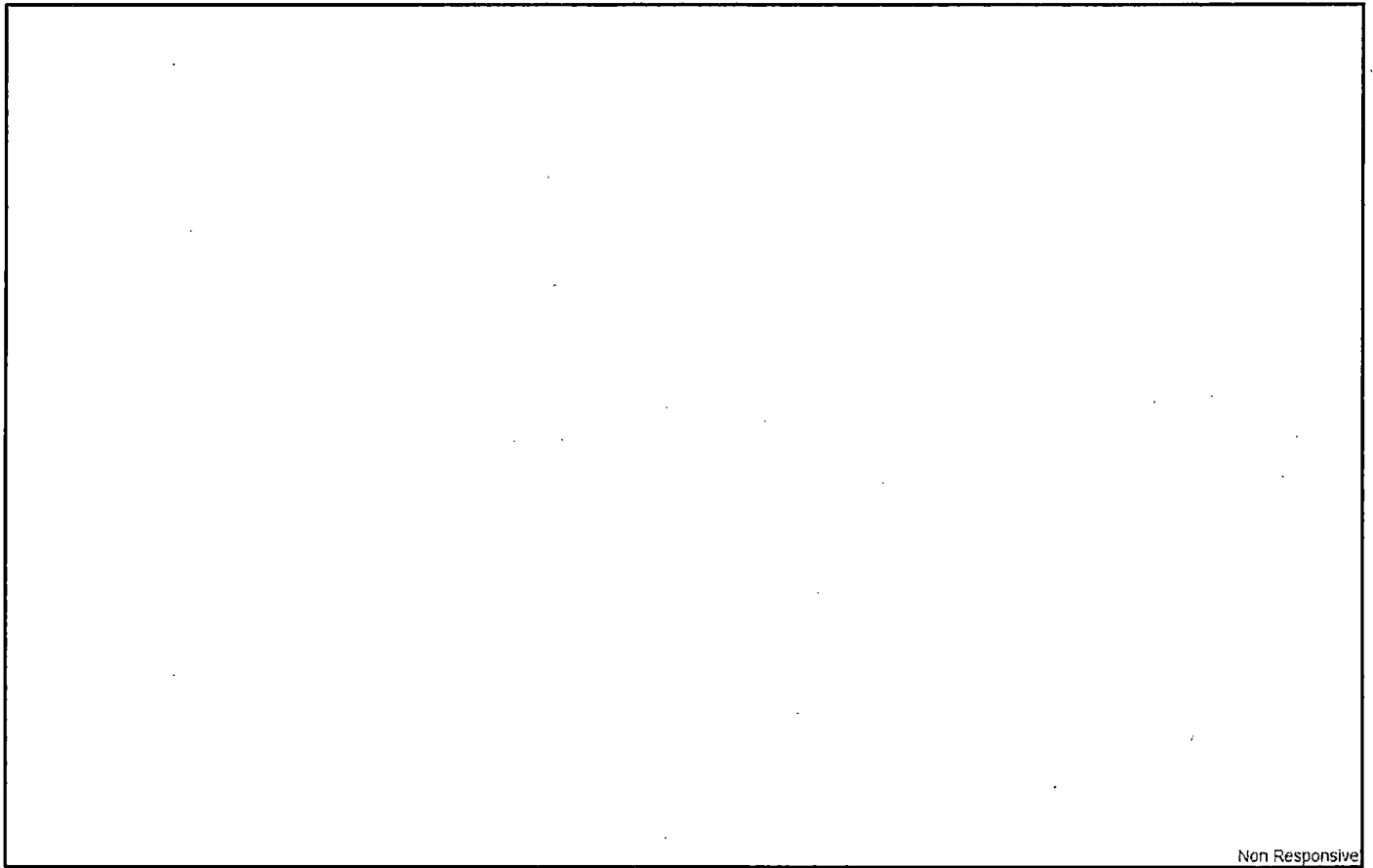


Non Responsive

- 3) *Provide the results of the calculations that were rerun based on the calculations used to support the resolution of the DPO (see description in DPO case file pdf page 62 of 164 at [ML14252A743](#) which discusses the scaling factors used in the March 2014 PG&E analysis). PG&E indicated that it did not believe that the analysis was needed to demonstrate operability. Nevertheless, PG&E was rerunning the analysis with the data from the 2014 State of California report.*



Non Responsive



Please let me know if you have any questions.

Thanks,

Joe

Non Responsive



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**Subject:** internal meeting to discuss assessment of diablo canyon operability information  
**Location:** HQ-OWFN-09B06-12p

**Start:** Wed 10/01/2014 12:45 PM  
**End:** Wed 10/01/2014 1:45 PM  
**Show Time As:** Tentative

**Recurrence:** (none)

**Meeting Status:** Not yet responded

**Organizer:** Sebrosky, Joseph  
**Required Attendees:** Munson, Clifford; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Markley, Michael; Karas, Rebecca; DiFrancesco, Nicholas; Farnholtz, Thomas; Smith, Chris; Manoly, Kamal; Reynoso, John; Hill, Brittain; Kock, Andrea; Vaidya, Bhalchandra; Klett, Audrey; Harris, Brian; Ake, Jon; Alexander, Ryan; Lupold, Timothy; Graizer, Vladimir; John Stamatakis (jstam@swri.org); Weaver, Thomas  
**Optional Attendees:** Stovall, Scott; Williams, Megan

Note: scheduler updated to include new information under item Agenda item II below. The new information is based on input from Cliff Munson

Bridge: 888-677-0690  
Passcode: (b)(6)

Purpose: For Britt Hill, Kamal Manoly, Yong Li, Cliff Munson, Jon Ake, Chris Smith and Ryan Alexander to brief the diablo canyon operability review team on the preliminary assessment of the additional information PG&E provided via certrec and to determine the next steps in the process

Non Responsive

**Agenda:**

- I. Background – Information needs identified to PG&E

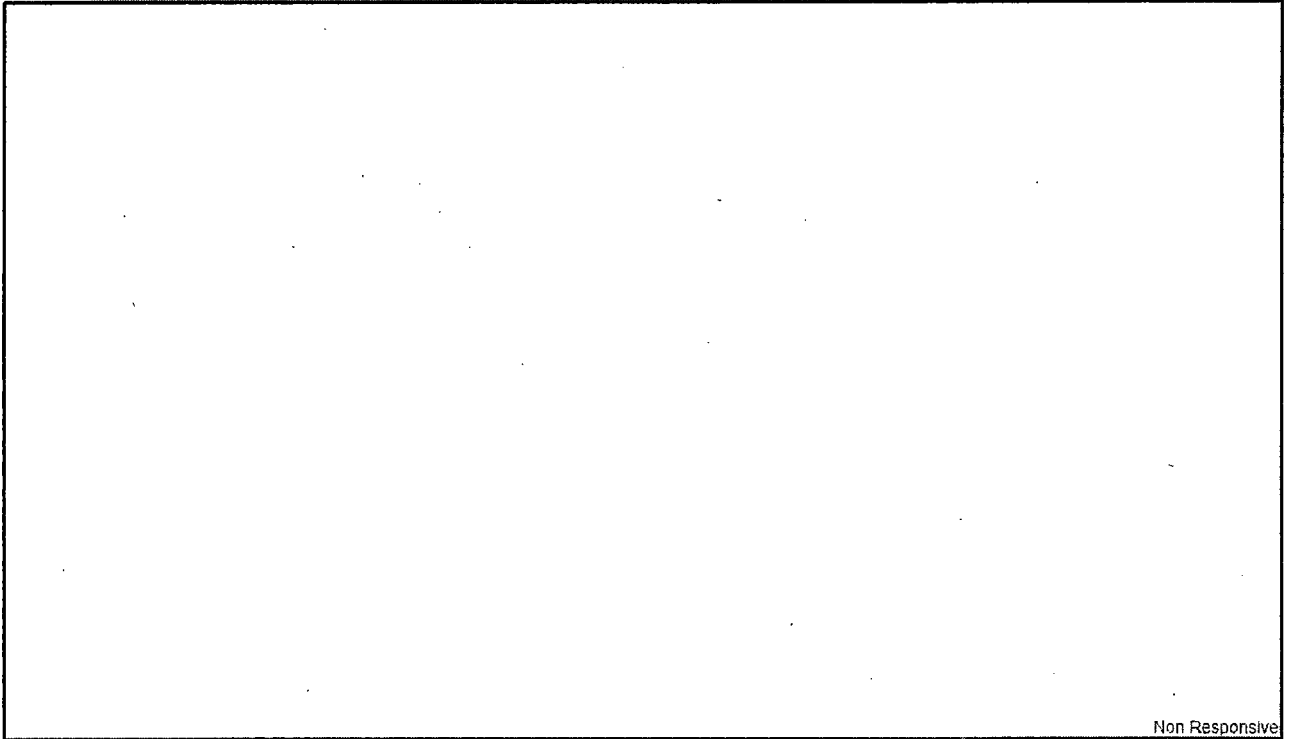
The information that RIV requested was in the following 3 areas:

Non Responsive

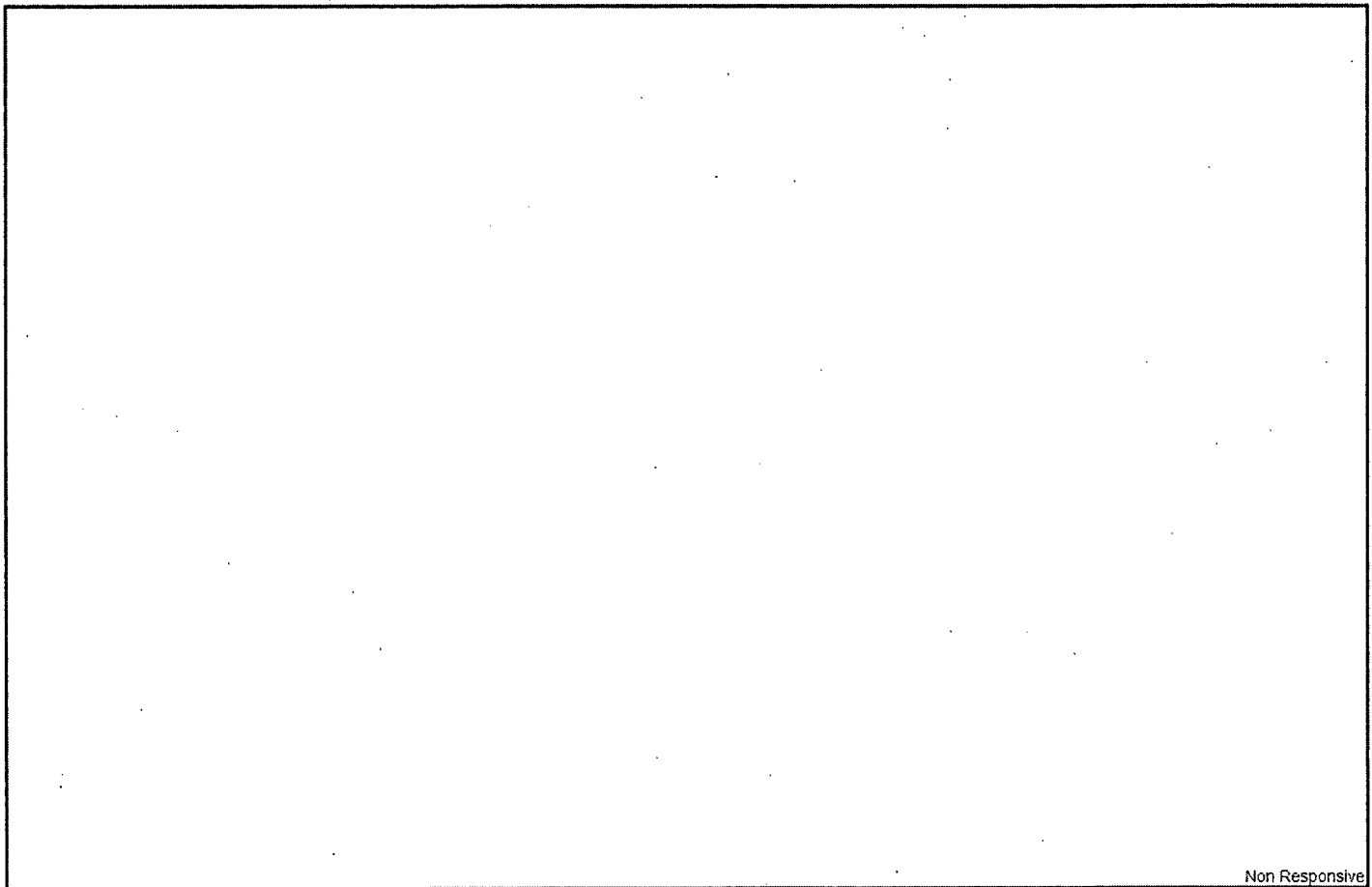
- 3) Provide the results of the calculations that were rerun based on the calculations used to support the resolution of the DPO (see description in DPO case file pdf page 62 of 164 at [ML14252A743](#))

*which discusses the scaling factors used in the March 2014 PG&E analysis). PG&E indicated that it did not believe that the analysis was needed to demonstrate operability. Nevertheless, PG&E was rerunning the analysis with the data from the 2014 State of California report.*

II.



Non Responsive



Non Responsive

III.

IV.

V.

Non Responsive

VI. Other assessments  
a. DPO update?

Non Responsive

VII. Wrapup

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**From:** Oesterle, Eric  
**Sent:** Thursday, October 09, 2014 7:03 AM  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Markley, Michael; George, Andrea; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Manoly, Kamal; Reynoso, John; Hill, Brittain; Harris, Brian; Klett, Audrey; Dudek, Michael; John Stamatakos; Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea  
**Subject:** Status of Diablo Canyon Activities  
**Attachments:** Status Update on DCPD for Jennifer Uhle.docx

The purpose of this email is to provide a status on the multitude of Diablo Canyon activities that staff has been working on this week.

I.

II.

Non Responsive

Non Responsive

- III. Filings associated with Friends of the Earth (FOE) Hearing Request
  - a. NRC response to FOE hearing request filed 10/6
  - b. Additional filings also made by PG&E, NEI, and PG&E Senior Civil Engineer on 10/6
  - c. Next steps – FOE response within 7 days and, also within 10 days of the PG&E's answer and NEI's motion and brief, everybody else (NRC Staff included) can file a motion asking the Commission to take some action against the other filings (e.g. strike part of the answer) - review of the other 3 filings underway
- IV. FOE FOIA request on timing of PG&E Seismic Report and DPO Appeal decision
  - a. Information from various offices received by FOIA coordinator – going through duplication review
  - b. Expected release of documents in packages – first one expected this week
  - c. Review of remaining packages for withholding to be performed to support releases expected week of 10/13.
- V. EPW Questions – DORL staff continues to work with Region IV and NRR/DE on finalizing draft responses – coordinating with OCA – target issuance by 10/22

There continues to be a lot of activity associated with Diablo Canyon and I appreciate everyone's support. We are making good progress on these challenging issues

Non Responsive

If I have missed something that you are particularly interesting in please don't hesitate to contact me. Thanks!

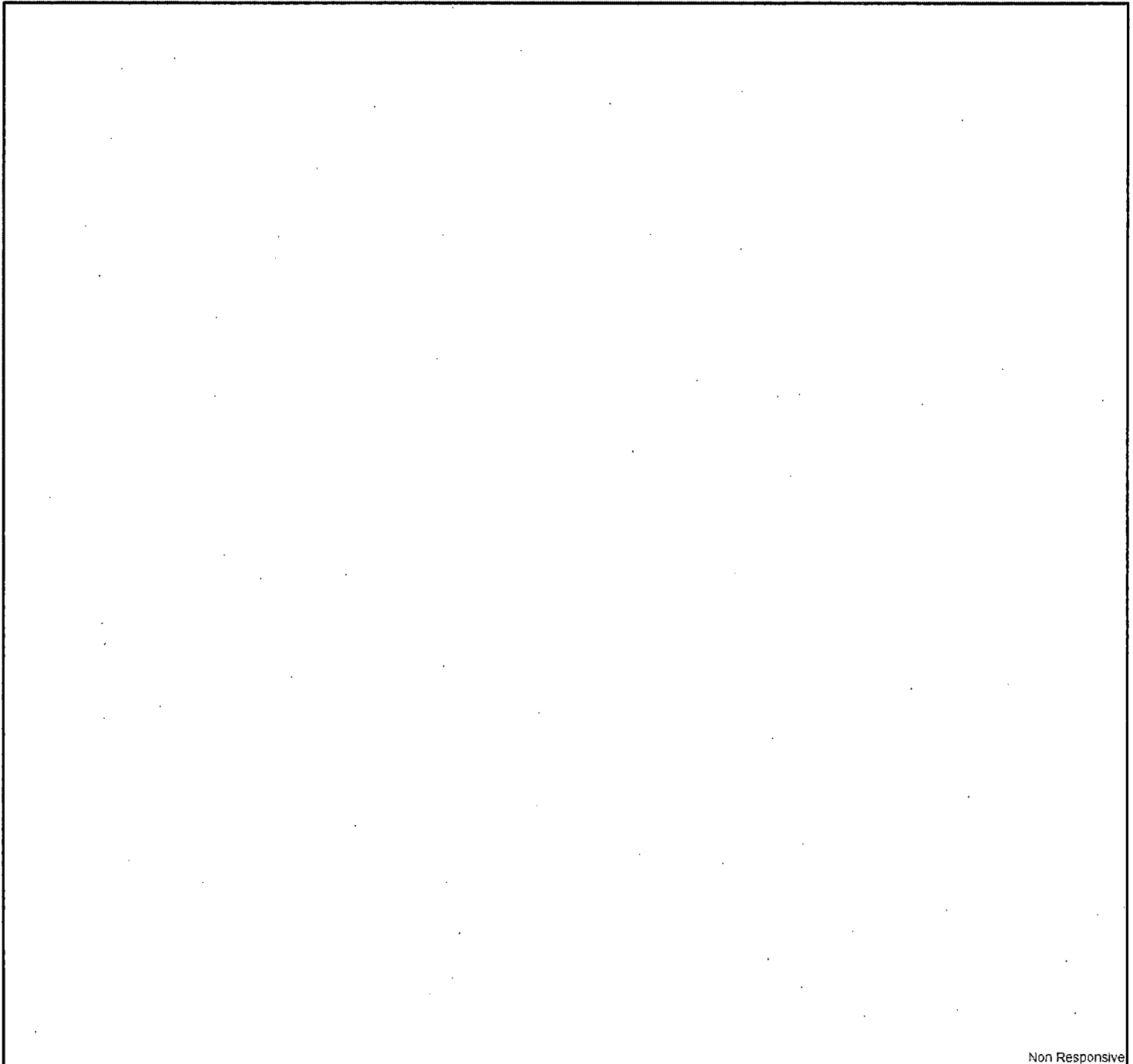
*Eric R. Oesterle*  
NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014



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**From:** Sebrosky, Joseph  
**Sent:** Monday, March 03, 2014 12:12 PM  
**To:** Kim, James; Markley, Michael  
**Cc:** Hipschman, Thomas; Walker, Wayne; Regner, Lisa; Wilson, George; Harris, Brian; OKeefe, Neil; Munson, Clifford; DiFrancesco, Nicholas; Hale, Jerry  
**Subject:** RE: Request for phone call with DCPD to discuss guidance regarding seismic licensing basis relative to the 2/20/14 seismic eric leads letter

Jim and Mike,



Non Responsive

C/16

Non Responsive

**From:** Sebrosky, Joseph

**Sent:** Monday, March 03, 2014 8:13 AM

**To:** Kim, James; Markley, Michael

**Cc:** Hipschman, Thomas; Walker, Wayne; Regner, Lisa; Wilson, George; Harris, Brian; OKeefe, Neil; Munson, Clifford

**Subject:** RE: Request for phone call with DCPD to discuss guidance regarding seismic licensing basis relative to the 2/20/14 seismic eric leads letter

Jim and Mike,

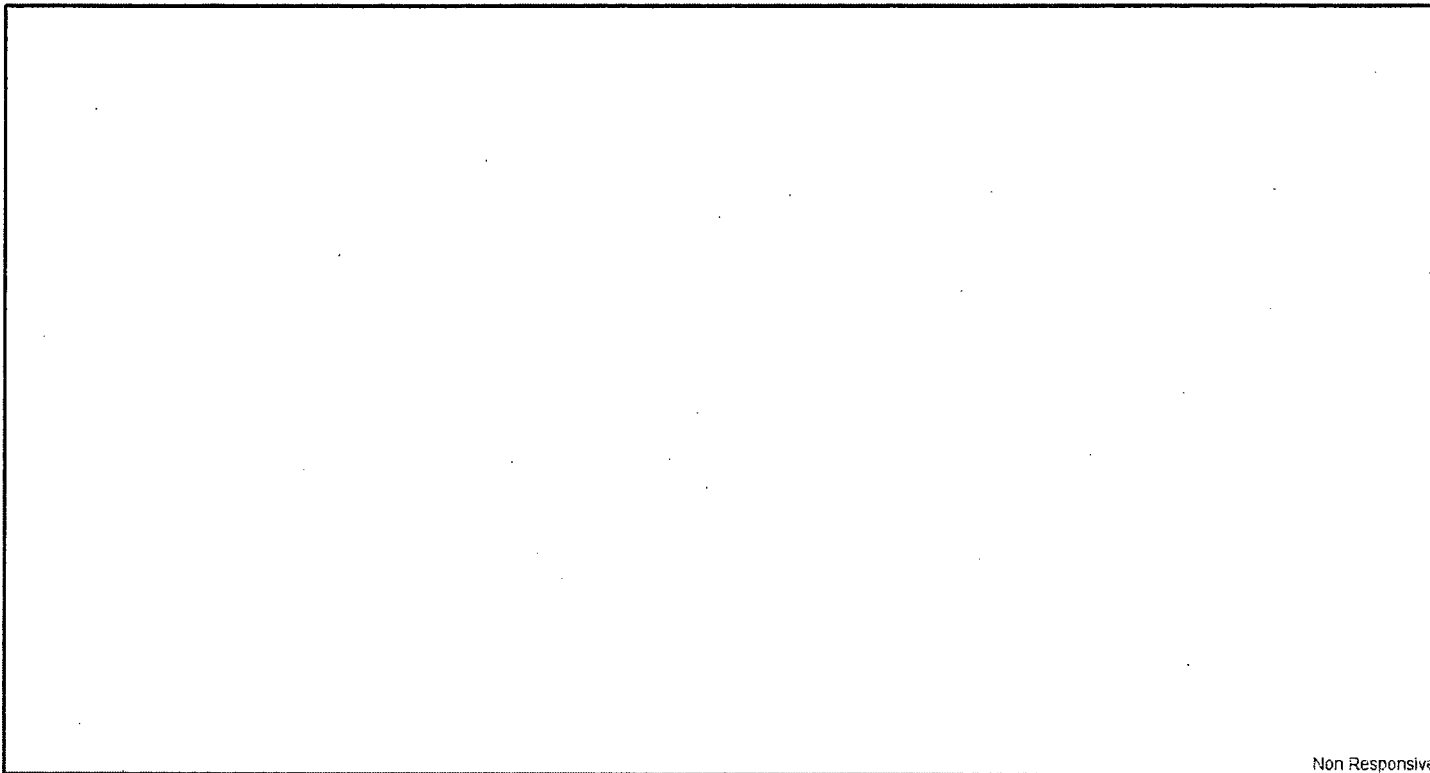
Non Responsive

Background

I am not sure the exact nature of PG&E's question below but because of a license renewal contention in this area and an ongoing DPO, I am extremely sensitive to providing feedback on this issue.

Non Responsive

Non Responsive

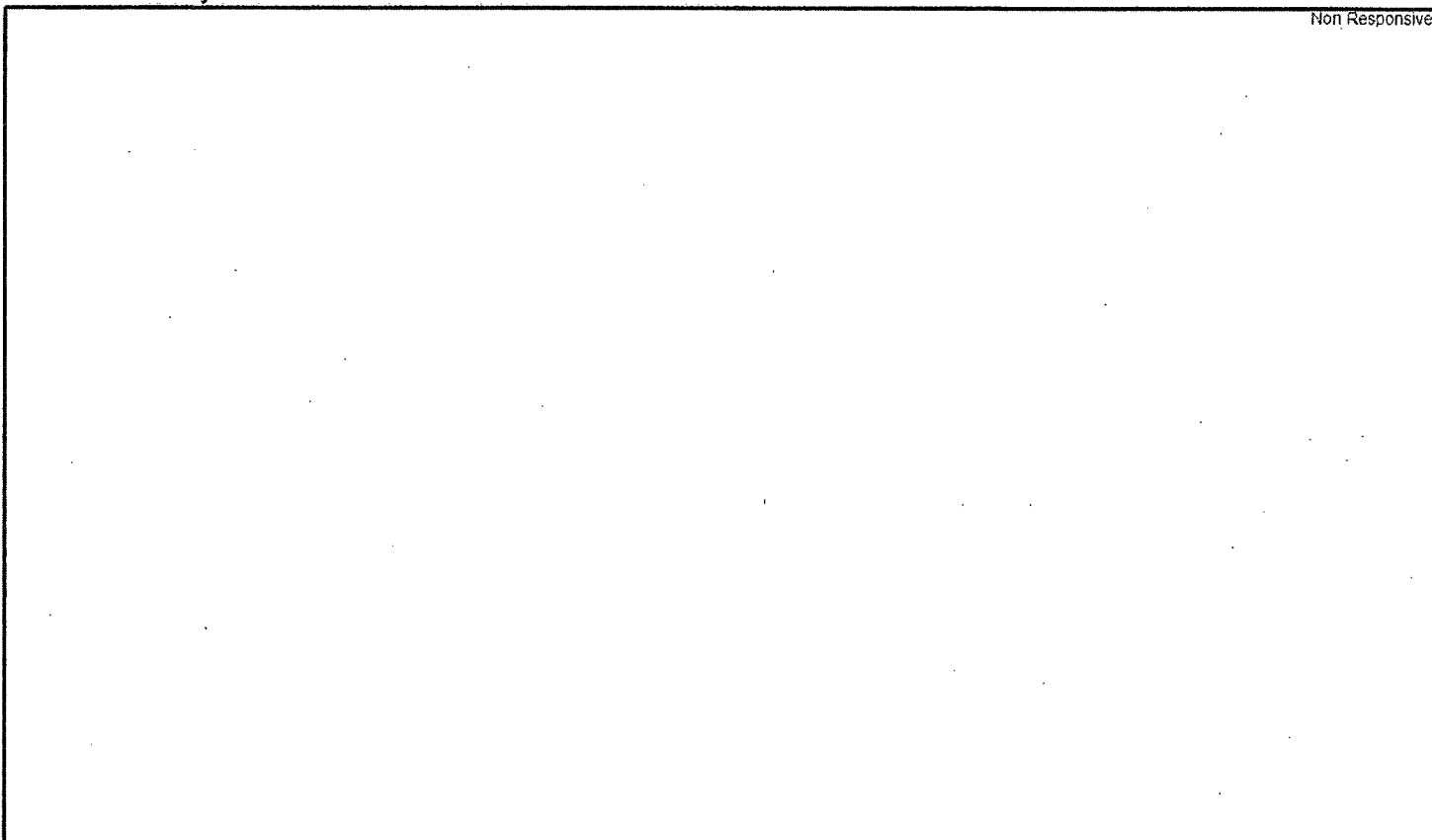


Non Responsive

Please let me know if you have any questions or if you think I am missing something.

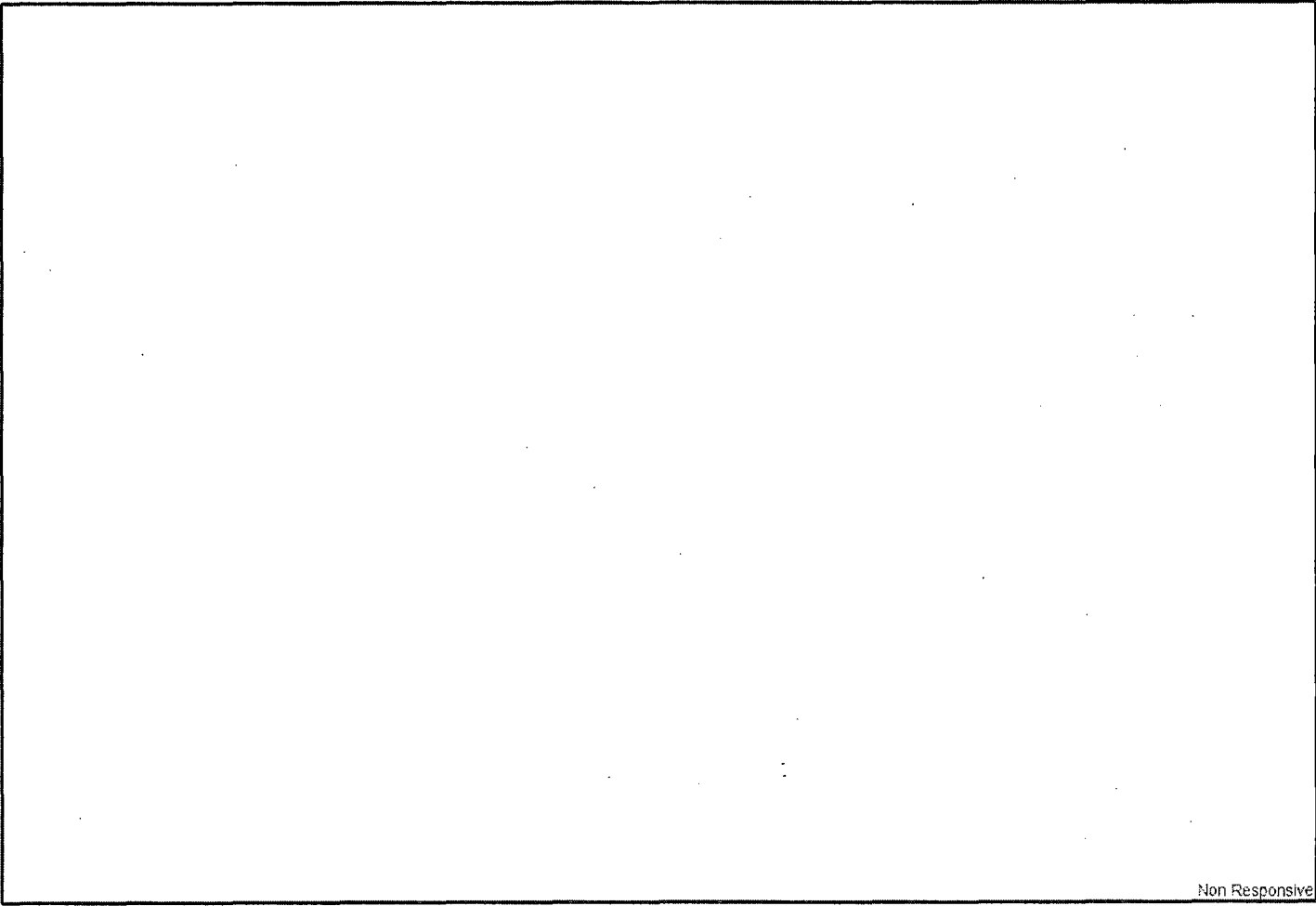
Thanks,

Joe Sebrosky



Non Responsive





Non Responsive

**Alexander, Ryan**

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**From:** Holian, Brian  
**Sent:** Wednesday, December 10, 2014 2:09 PM  
**To:** OKeefe, Neil  
**Cc:** Walker, Wayne; Pruett, Troy; Alexander, Ryan  
**Subject:** Re: Seismic Design and Licensing Basis Question

Neil

Great email and summary.

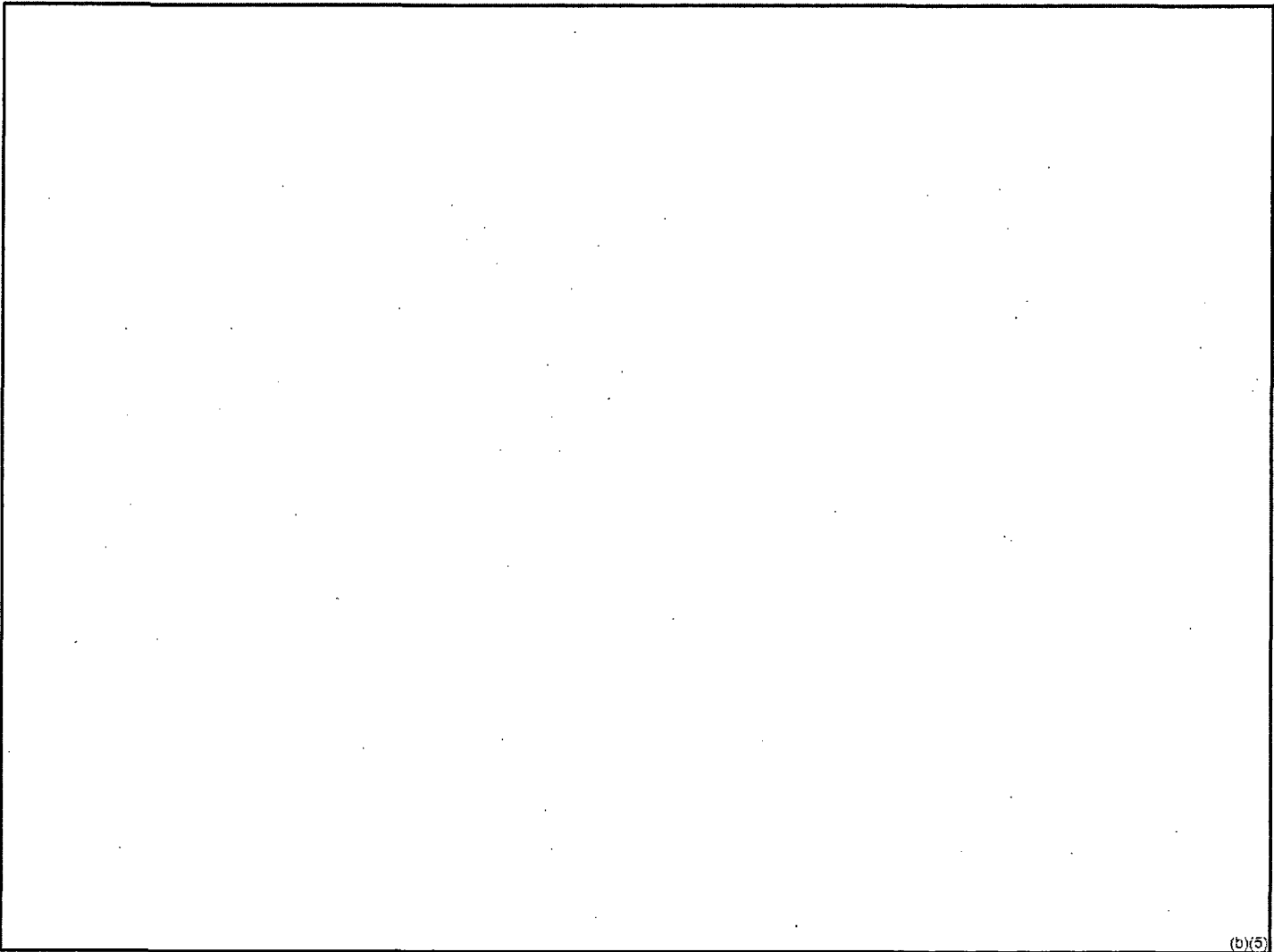
Non Responsive

I plan to discuss at nrr , with your email in frt of me... And will schedule a call to discuss.  
Thx much  
Good seeing all of you  
-brian

**From:** OKeefe, Neil  
**Sent:** Wednesday, December 10, 2014 10:42 AM Eastern Standard Time  
**To:** Holian, Brian  
**Cc:** Walker, Wayne; Pruett, Troy; Alexander, Ryan  
**Subject:** Seismic Design and Licensing Basis Question

Brian,

(b)(5)

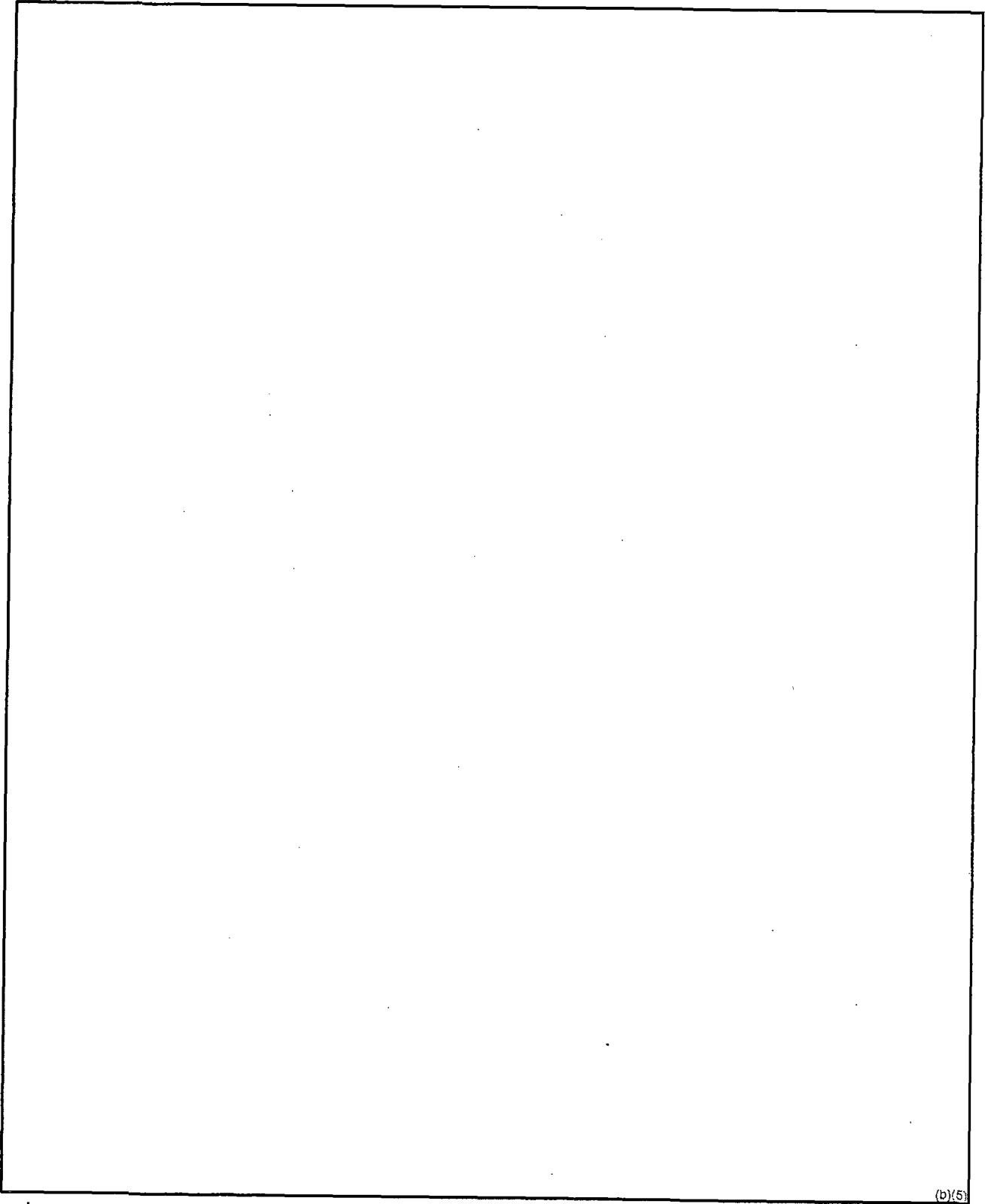


(b)(5)

Neil O'Keefe  
Chief, Branch B  
DRP, RIV  
(817) 200-1141 (o)

(b)(6) (c)

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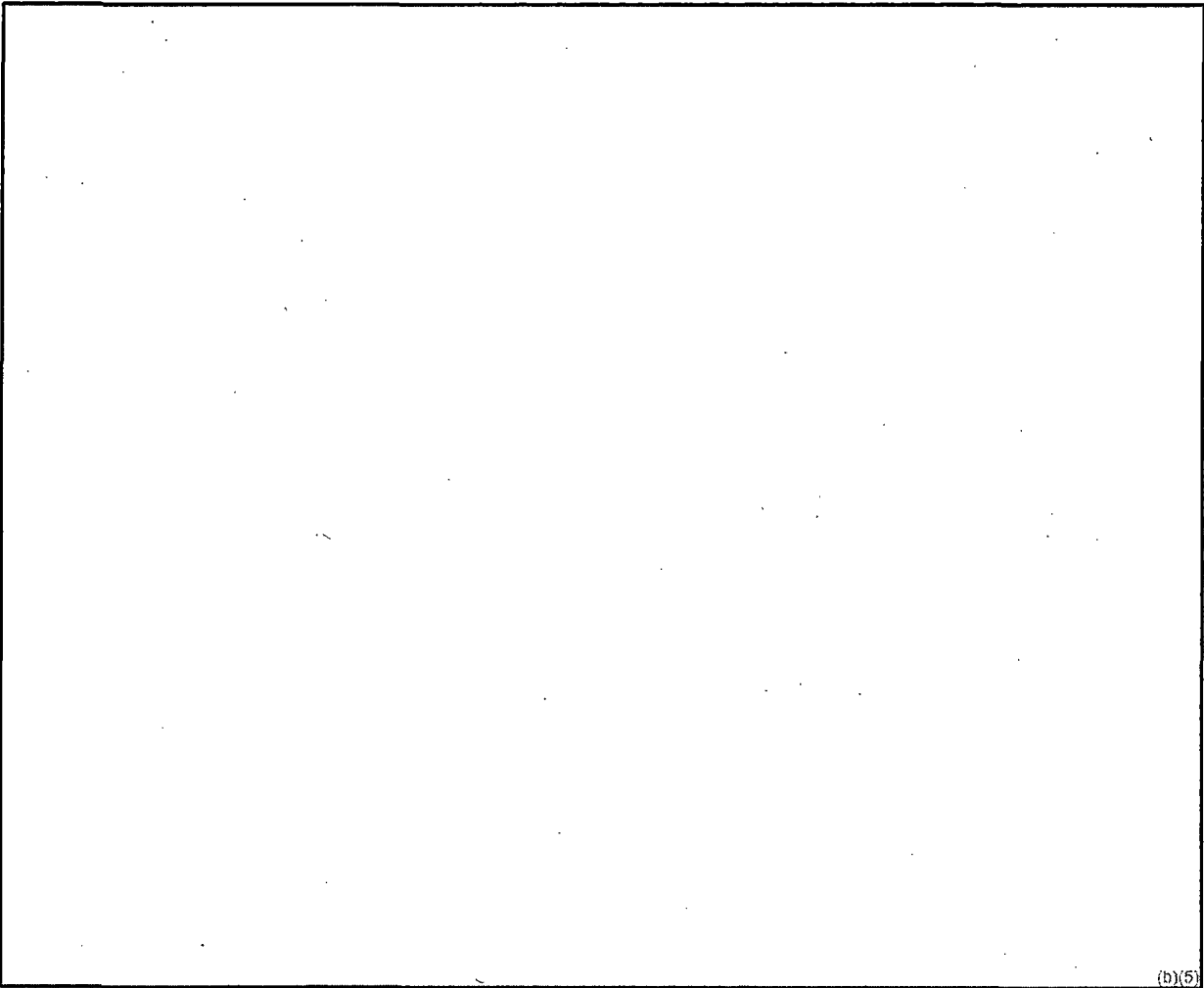
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Page 5

C/18

~~OFFICIAL USE ONLY - SENSITIVE INTERNAL INFORMATION~~



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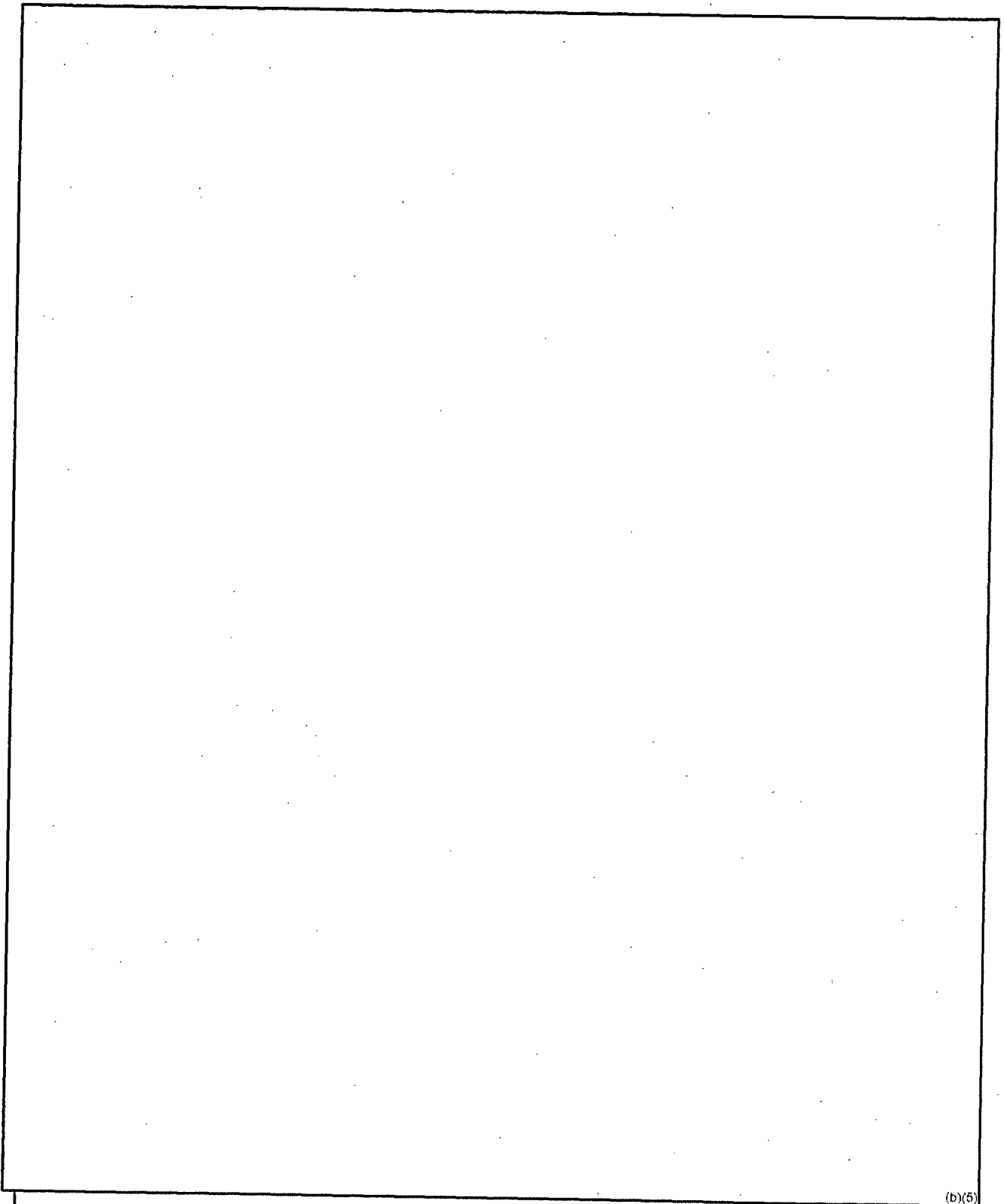
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Page 6

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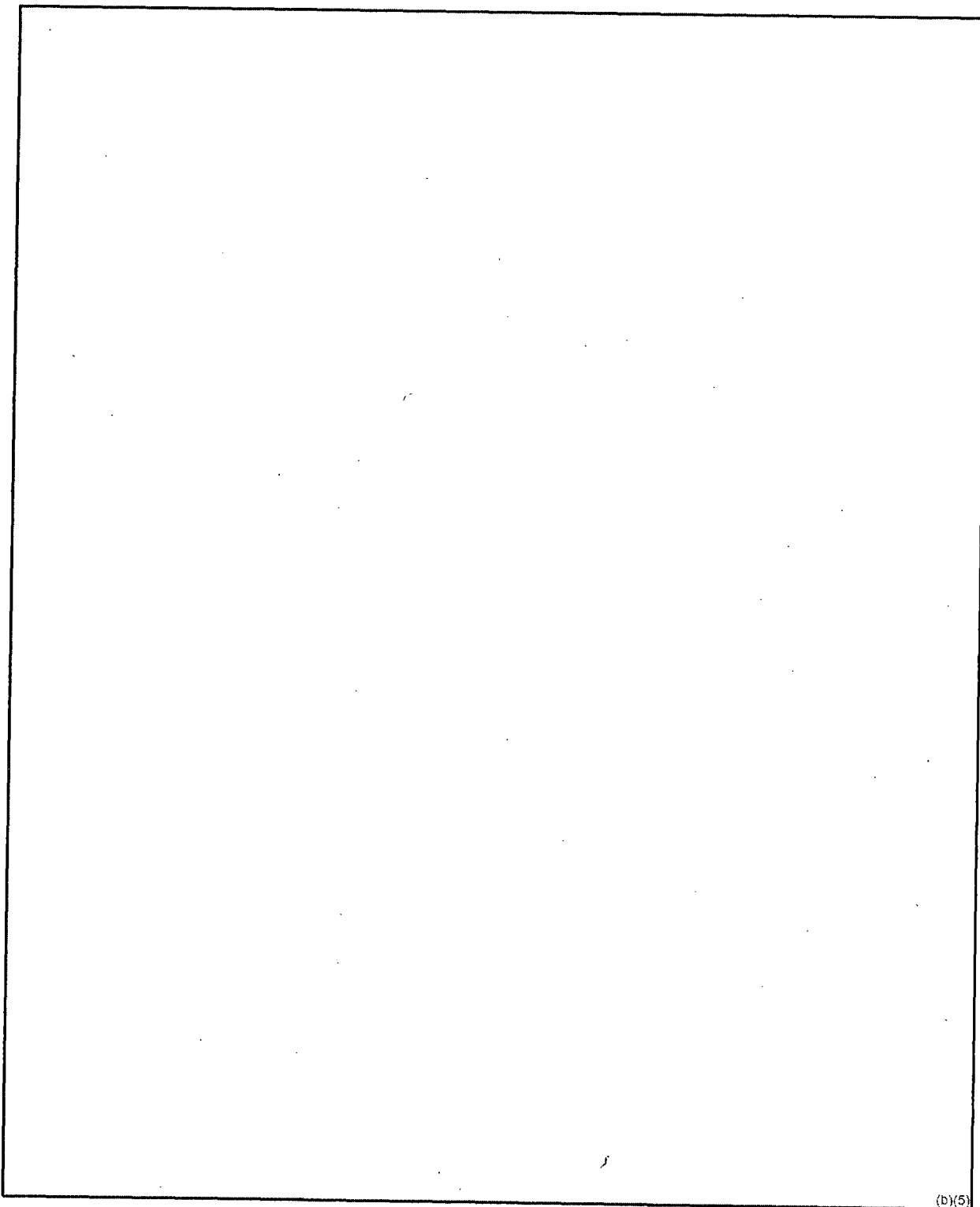
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Revision: 1 (11/26/14)

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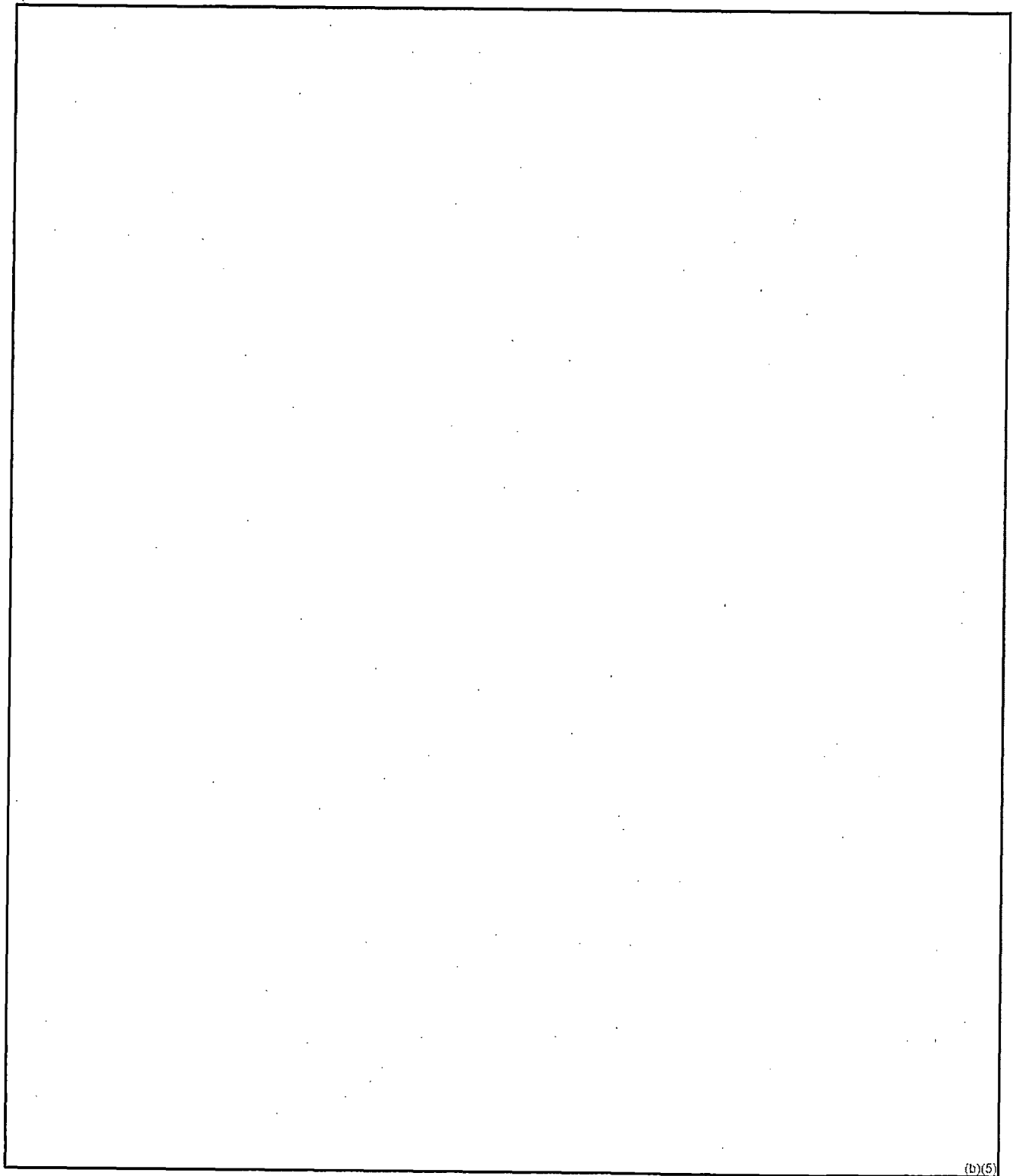
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~~—OFFICIAL USE ONLY—SENSITIVE INTERNAL INFORMATION—~~

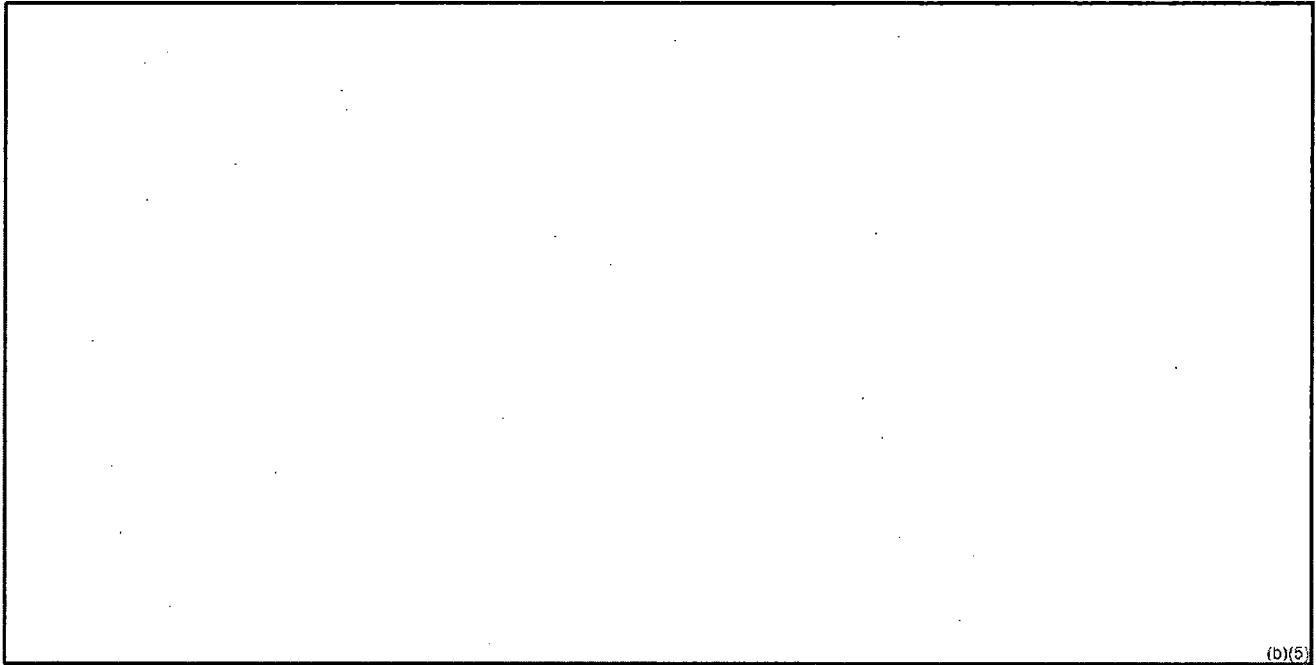


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Revision: 1 (11/26/14)

~~—OFFICIAL USE ONLY—SENSITIVE INTERNAL INFORMATION—~~

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(b)(5)

**Alexander, Ryan**

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**From:** Pedersen, Renee  
**Sent:** Friday, March 07, 2014 1:10 PM  
**To:** Powell, Amy  
**Cc:** Rothschild, Trip; Shane, Raeann; Solorio, Dave; Campbell, Andy; Zimmerman, Roy; Sewell, Margaret  
**Subject:** RE: HELP!! DPO Response to Boxer

Amy,

Thanks for the response. Just to be clear, the DPO submittal is 1 scanned NRC record (it may include several references or parts) from the employee.

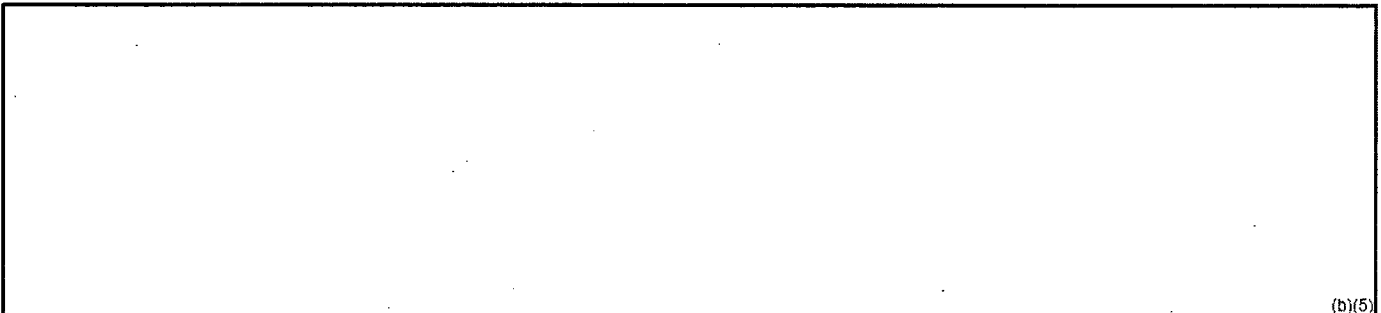
We can provide the record if the Commission approves. There may be value in including some basic information on our process in the response, including that the DPO Program supports openness and transparency when the process is complete. Just a thought.

Please let us know the path forward and please provide guidance with respect to the document marking. (The DPO submittal is included on a form which doesn't have a big margin.)

Renée

**From:** Powell, Amy  
**Sent:** Friday, March 07, 2014 12:11 PM  
**To:** Pedersen, Renee  
**Cc:** Rothschild, Trip; Shane, Raeann  
**Subject:** RE: HELP!! DPO Response to Boxer

You ask a complicated question. I am cc'ing Trip in OGC as this wades into legal territory; I understand that you two have talked about this as well.



We'll keep you in the loop as Commission conversations continue via the daily Chiefs of Staff meetings. I am on the Hill all afternoon but in Monday if you want to discuss.

Thanks,  
Amy

Amy Powell  
Acting Director  
U. S. Nuclear Regulatory Commission  
Office of Congressional Affairs

Phone: 301-415-1673

**From:** Pedersen, Renee  
**Sent:** Friday, March 07, 2014 9:06 AM  
**To:** Powell, Amy  
**Subject:** FW: HELP!! DPO Response to Boxer  
**Importance:** High

Amy,

Raeann is out. Can you tell me what our practice is with a Congressional request for a predecisional document?

**From:** Pedersen, Renee  
**Sent:** Friday, March 07, 2014 8:56 AM  
**To:** Shane, Raeann  
**Cc:** Solorio, Dave; Sewell, Margaret  
**Subject:** HELP!! DPO Response to Boxer  
**Importance:** High

Raeann,

You are probably away of the letter we just got from Boxer.

**2. Please provide me with a copy of the Differing Professional Opinion Canyon Power Plant (DCPP) prepared by NRC's former Senior R (Dr. Michael Peck) that is currently pending before the Commission**

We previously talked about this type of scenario. In particular, this DPO is still being processed within our DPO process. It is currently being evaluated by a DPO Panel. The DPO Panel issues a report and then the Director, NRR issues a DPO Decision to the individual. The individual has an opportunity to appeal to the EDO and then the EDO evaluates and issues a DPO Appeal Decision. At this point the process is considered closed and we ask the individual if he would like the DPO Case file public. If he says yes, NRR performs a releasability review and includes a link to the DPO Case File along with a summary of the case that is posted on the WIR. This could be several months.

The document is considered pre-decisional and not for public release. So, does this mean we can tell Congress, no? Premature release of the document could have a potentially negative impact on the DPO process.

Thoughts?

**Alexander, Ryan**

---

**From:** Markley, Michael  
**Sent:** Wednesday, March 19, 2014 9:26 AM  
**To:** Walker, Wayne; Alexander, Ryan  
**Subject:** FW: ACTION: Issue OEDO Ticket for Responses to Senate EPW QFRs  
**Attachments:** RE: HELP!! DPO Response to Boxer

**From:** Pedersen, Renee  
**Sent:** Monday, March 10, 2014 12:27 PM  
**To:** Markley, Michael  
**Cc:** Solorio, Dave; Sewell, Margaret  
**Subject:** RE: ACTION: Issue OEDO Ticket for Responses to Senate EPW QFRs

Mike,

The DPO is not publicly available and has limited distribution within the NRC. Please see my email exchange with OPA. [REDACTED]

(b)(5)

Renée

**From:** Markley, Michael  
**Sent:** Monday, March 10, 2014 12:21 PM  
**To:** Pedersen, Renee  
**Subject:** FW: ACTION: Issue OEDO Ticket for Responses to Senate EPW QFRs  
**Importance:** High

Renee,

Please see Boxer's requested items 2 and 3. OE is tasked with responding to item 2, but we (NRR) are tasked with responding to item 3.

Question: Is the DPO and associated documents publicly available?

Mike

**From:** Orf, Tracy  
**Sent:** Friday, March 07, 2014 7:52 AM  
**To:** NRR\_DORL\_BCs Distribution  
**Cc:** Evans, Michele; Monninger, John; Lantz, Ryan; Lund, Louise  
**Subject:** FW: ACTION: Issue OEDO Ticket for Responses to Senate EPW QFRs  
**Importance:** High

Heads up! Attached are questions that came out of the Commission's Senate EPW oversight hearing. Some of these questions will take a while to answer and resemble a FOIA. Others will require the PMs to check their tech specs and search ADAMS.

Looks like a major effort.

Thanks,

Trace

**From:** Wertz, Trent

**Sent:** Thursday, March 06, 2014 2:44 PM

**To:** Orf, Tracy; Anderson, Shaun; Moore, Ross; Jessup, William; Schmitt, Ronald; Lian, Jocelyn; Mahoney, Michael; Lyons, Sara

**Subject:** FW: ACTION: Issue OEDO Ticket for Responses to Senate EPW QFRs

**Importance:** High

Heads Up.

The ticket will be issued shortly with a due date of March 28. These will be due to me by COB March 26. I'll pass along the TAC as soon as I get it.

Here are the assignments. Let me know if you think something should be changed:

Chairman

Boxer 1,3,5 – DORL  
Boxer 6 – DSS  
Carper 1 – DIRS support NSIR as needed  
Gillibrand 1 – DLR  
Gillibrand 2 – DORL  
Gillibrand 3 – JLD  
Gillibrand 4 – DIRS  
Vitter 1-12 – DLR/DORL/DE support NRO as needed  
Vitter 14-26 – JLD  
Vitter 36 – DORL  
Vitter 37 – DE  
Vitter 39, 41-45,53 – DPR  
Vitter 55 – DORL/DIRS  
Vitter 61,62 – DORL  
Vitter 63-67 – DPR  
Vitter 79-85 – DORL/DIRS support NRO as needed  
Sessions 1 – DORL  
Sessions 2b,c – DPR  
Sessions 2d – JLD/DPR  
Fischer 1 – DPR  
Fischer 2 – DRA

For Comm Svinicki

Carper 2 – JLD

Sessions 2 – JLD

For Comm Ostendorff

Carper 1,2 – JLD

Sessions 2a - DIRS

Thanks,  
Trent

**From:** Rihm, Roger

**Sent:** Thursday, March 06, 2014 2:04 PM

**To:** Jaegers, Cathy

**Cc:** Landau, Mindy; Wertz, Trent; Orf, Tracy; Hudson, Jody; Atack, Sabrina; Williams, Donna; Trocine, Leigh; Rini, Brett; Sun, Robert  
**Subject:** ACTION: Issue OEDO Ticket for Responses to Senate EPW QFRs  
**Importance:** High

Attached are ticket instructions, response template, and copy of QFRs with office assignments. If you need anything else, let me know.

**From:** Mullins, Charles  
**To:** Oesterle, Eric; Alexander, Ryan; Markley, Michael  
**Cc:** Walker, Wayne  
**Subject:** RE: DCPD Communications Plan  
**Date:** Tuesday, November 25, 2014 5:25:47 PM  
**Attachments:** image001.png

---

[Redacted]

(b)(5)

**From:** Oesterle, Eric  
**Sent:** Tuesday, November 25, 2014 4:46 PM  
**To:** Mullins, Charles; Alexander, Ryan; Markley, Michael  
**Cc:** Walker, Wayne  
**Subject:** RE: DCPD Communications Plan  
**Importance:** High

Chuck,

[Redacted]

(b)(5)

Hope that summary helps. You may want to consider using some of it in your response.

*Eric R. Oesterle*  
NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014





**From:** Mullins, Charles  
**Sent:** Tuesday, November 25, 2014 4:15 PM  
**To:** Alexander, Ryan; Markley, Michael  
**Cc:** Oesterle, Eric; Walker, Wayne  
**Subject:** RE: DCPD Communications Plan

Ryan,

Thanks. I think this will be quite helpful.

Chuck Mullins

**From:** Alexander, Ryan  
**Sent:** Tuesday, November 25, 2014 3:46 PM  
**To:** Markley, Michael; Mullins, Charles  
**Cc:** Oesterle, Eric; Walker, Wayne  
**Subject:** FW: DCPD Communications Plan

Mike:

The full internally available Diablo Canyon Comm Plan (Revision 0) is available at the OEDO Comm Plan SharePoint site at:

[http://fusion.nrc.gov/edo/team/CPM/CommPlans/\\_layouts/listform.aspx?PageType=4&ListId={52972D7A-EEEDC-4DE2-984B-6A8AAE78C74C}&ID=63&ContentTypeID=0x010043278097A1424145B8EF8AC452B10F19](http://fusion.nrc.gov/edo/team/CPM/CommPlans/_layouts/listform.aspx?PageType=4&ListId={52972D7A-EEEDC-4DE2-984B-6A8AAE78C74C}&ID=63&ContentTypeID=0x010043278097A1424145B8EF8AC452B10F19)

However, attached is the current "working version" of the Diablo Canyon Comm Plan (i.e. Draft Revision 1). This draft revision includes updates regarding (1)

Non Responsive

(3) Answers to Senate EPW Questions, & (4)

Non Responsive

Non Responsive

The updated text in the attached is typically in red, or in the case of new sections there is a note in red text stating that the entire section was replaced/added.

Non Responsive

Hope this helps!

**Ryan D. Alexander**

Senior Project Engineer

NRC Region IV, Div. of Reactor Projects, Branch A

Office: (817) 200-1195

Cell:

(b)(6)



Please consider the environment before printing this e-mail.

**From:** Walker, Wayne

**Sent:** Tuesday, November 25, 2014 2:22 PM

**To:** Alexander, Ryan

**Subject:** FW: DCPD Communications Plan

Ryan,

Can you send him the plan that is online and also the draft portions. Thanks.

Wayne

**From:** Markley, Michael

**Sent:** Tuesday, November 25, 2014 2:21 PM

**To:** Walker, Wayne

**Cc:** Mullins, Charles; Oesterle, Eric

**Subject:** DCPD Communications Plan

Wayne,

Can you send the latest version of the DCPD communications plan. He is addressing a lawsuit by FOE.

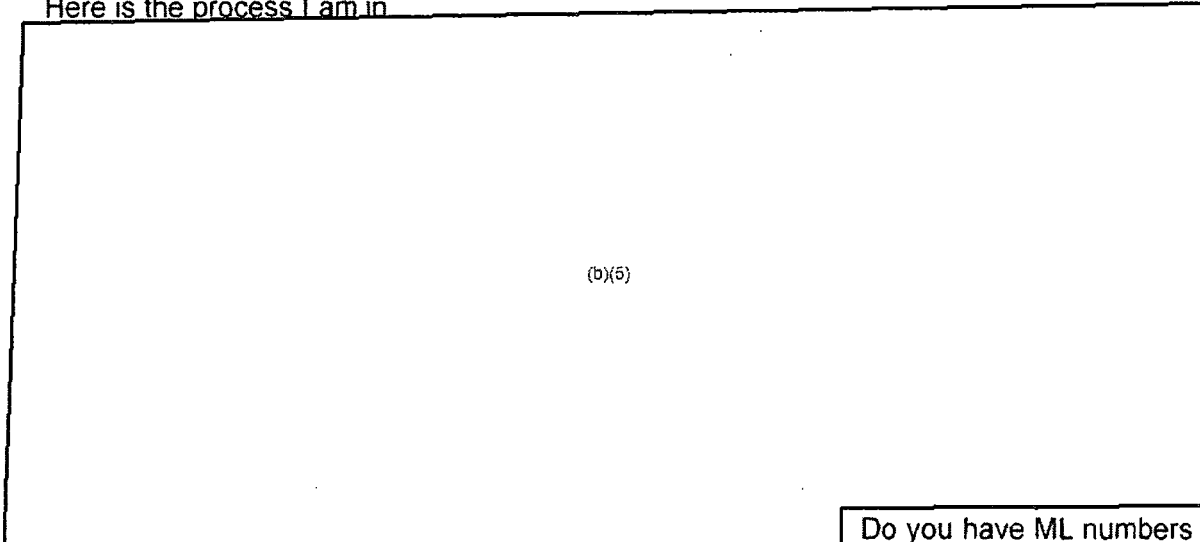
Mike

**From:** Mullins, Charles  
**To:** Markley, Michael  
**Cc:** Oesterle, Eric; Bamford, Peter; Lyon, Fred  
**Subject:** RE: Documents for the lawsuit  
**Date:** Monday, November 24, 2014 12:50:36 PM

---

Ok.

Here is the process I am in



Do you have ML numbers for these documents? And do you have any thoughts on where they came in the overall process?

I know you are busy today. I also know it is a holiday week and the contact in RIV is also out today. Is there anyone else who might be able to work with me?

(and yes, that is a CRAZY meeting schedule!!)

**From:** Markley, Michael  
**Sent:** Monday, November 24, 2014 12:37 PM  
**To:** Mullins, Charles  
**Cc:** Oesterle, Eric; Bamford, Peter; Lyon, Fred  
**Subject:** RE: Documents for the lawsuit

This is a holiday week. Sorry...

My availability is only before 1:00 pm. I am going to grab some lunch but will be back in a few minutes. I have meetings:

1-2:00pm  
1:30-3:30pm  
3:00-4:00pm

Have you checked with Rene Pedersen in OE? She was the DPO manager.

I am confused by the process we are in now. These documents are all in ADAMs, except

possibly e-mail. Are these official requests under "discovery"?

For the FSAR revision 21. You would need to check with Peter Bamford. Fred Lyon will be back tomorrow.

Mike

**From:** Mullins, Charles  
**Sent:** Monday, November 24, 2014 12:22 PM  
**To:** Markley, Michael  
**Subject:** Documents for the lawsuit

Michael;

The petitioners want to include a list of documents in the record of the case. Do you have a few minutes this afternoon to discuss them?

Chuck

**From:** John Bernetich [<mailto:bernetichj@ayreslawgroup.com>]  
**Sent:** Monday, November 24, 2014 12:01 PM  
**To:** Mullins, Charles  
**Cc:** Richard E. Ayres; Jessica Olson  
**Subject:** Re: My current view of the Record

Chuck,

We intend to ask for the following documents:

1. Two inspection reports cited in the June 23, 2014 memo from Peter Bamford to Michael Markley (IR 2012004, IR 2011005)
2. A "change report" submitted by PG&E to accompany its submission of FSAR Revision 21 (in addition to the cover letter)
3. Documents cited by Dr. Peck in his appeal of the Panel Report issued in DPO-2013-002
4. Any documents related to a 50.59 review prepared for Revision 21, including emails between PG&E and NRC, and between NRC Staff members

In addition, we do not agree with your suggestion that the documents from the de facto licensing proceeding before the Commission should be included in the record for the Court of Appeals on the Revision 21 issue.

Thanks,  
John

John Bernetich  
Associate Attorney  
Ayres Law Group LLP  
Ph: (202) 452-9200

Dir: (202) 416-0241  
[www.ayreslawgroup.com](http://www.ayreslawgroup.com)

## **Wertz, Trent**

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**From:** Sewell, Margaret  
**Sent:** Wednesday, March 19, 2014 10:29 AM  
**To:** Case, Michael  
**Cc:** Sheron, Brian; West, Steven; Hill, Brittain; Bernhard, Rudolph; Leeds, Eric; Glitter, Joseph; Wertz, Trent; Pedersen, Renee; Solorio, Dave  
**Subject:** RE: DPO Status Update  
**Attachments:** DPO Panel Report.doc; Milestones and Timeliness Goals.docx

Hi Mike,

Thanks for the update on the DPO. Just in case you need it, I'm attaching some DPO panel report instructions along with a template for your use. Just let me know if you need anything else.

In light of the activities that still need to be done by the panel, it seems likely that you will need another extension. The current Milestones & Timeliness goals (attached) indicate that Eric will issue his decision by next Fri., 3/28, which may not be realistic. If you decide to request an extension, please let me know as quickly as possible so that I can submit it to EDO.

(b)(5)

Please let me know if you have any questions and/or if you'll need the extension.

Thanks!  
Marge

**From:** Case, Michael  
**Sent:** Monday, March 10, 2014 2:01 PM  
**To:** Wertz, Trent; Sewell, Margaret; Glitter, Joseph; Leeds, Eric  
**Cc:** Sheron, Brian; West, Steven; Hill, Brittain; Bernhard, Rudolph  
**Subject:** DPO Status Update

I just wanted to keep you all informed about DPO status. Britt and I made it to CA to review some information that PG&E developed for us (see attached status I gave the DPO submitter). I thought what we saw was very good evidence with respect to the issues in the DPO and very much worth the "wait". (Easy for me to say, but we do really appreciate the support you have given us to fully illuminate the issues). Britt deserves a great deal of credit because he was prime architect behind our thoughts.

Still have to formally write up what we saw.  
Do a minimal amount of polishing  
Get Joe to give us a sanity check  
Get the report to Eric.

Thanks again for your support.

MEMORANDUM TO: Panel Chair  
Panel Member  
Panel Member

FROM: (Name of Office Director or Regional Administrator)

SUBJECT: AD HOC REVIEW PANEL - DIFFERING PROFESSIONAL OPINION ON  
(use subject description from tasking) (DPO-20YY-nnn)

In accordance with Management Directive (MD) 10.159, "The NRC Differing Professional Opinions Program," I am appointing you as members of a Differing Professional Opinion (DPO) Ad Hoc Review Panel (DPO Panel) to review a DPO that was forwarded to me to disposition.

The DPO (Enclosure 1) raises concerns (subject).

I have designated (name) chairman of this DPO Panel and (name) as a DPO Panel member. (Name) was proposed by the DPO submitter and serves as the third member of the DPO Panel. [Optional: Because this issue addresses enforcement, (name) is serving as the fourth member.] In accordance with the guidance included in MD 10.159 and consistent with the DPO Program objectives, I task the DPO Panel to do the following:

- ☐ Review the DPO submittal to determine if sufficient information has been provided to undertake a detailed review of the issue.
- ☐ Meet with the submitter, as soon as practicable, to ensure that the DPO Panel understands the submitter's concerns and scope of the issues. (Normally within 7 days.)
- ☐ Promptly after the meeting, document the DPO Panel's understanding of the submitter's concerns, provide the Statement of Concerns (SOC) to the submitter, and request that the submitter review and provide comments, if necessary. (Normally within 7 days.)
- ☐ Maintain the scope of the review to not exceed those issues as defined in the original written DPO and confirmed in the SOC.
- ☐ Consult with me as necessary to discuss schedule-related issues, the need for technical support (if necessary), or the need for administrative support for the DPO Panel's activities.
- ☐ Perform a detailed review of the issues and conduct any record reviews, interviews, and discussions you deem necessary for a complete, objective, independent, and impartial review. The DPO Panel should re-interview individuals as necessary to clarify information during the review. In particular, the DPO Panel should have periodic discussions with the submitter to provide the submitter the opportunity to further clarify the submitter's views and to facilitate the exchange of information.

- ☐ Provide monthly status updates on your activities via email to Renée Pedersen, Differing Views Program Manager (DVPM) about the last day of the month. This information will be reflected in the Milestones and Timeliness Goals for this DPO. Please provide a copy of email status updates to the submitter and to me.
- ☐ Issue a DPO Panel report, including conclusions and recommendations to me regarding the disposition of the issues presented in the DPO. The report should be a collaborative product and include all DPO Panel member's concurrence. Follow the specific processing instructions for DPO documents.
- ☐ Consult me as soon as you believe that a schedule extension is necessary to disposition the DPO.
- ☐ Recommend whether the DPO submitter should be recognized if the submitter's actions result in significant contributions to the mission of the agency.

Disposition of this DPO should be considered an important and time sensitive activity. The timeliness goal included in the MD for issuing a DPO Decision is 120 calendar days from the day the DPO is accepted for review. The timeliness goal for issuing this DPO Decision is (date).

Process Milestones and Timeliness Goals for this DPO are included as Enclosure 2. The timeframes for completing process milestones are identified strictly as goals—a way of working towards reaching the DPO timeliness goal of 120 calendar days. The timeliness goal identified for your DPO task is 70 calendar days.

Although timeliness is an important DPO Program objective, the DPO Program also sets out to ensure that issues receive a thorough and independent review. The overall timeliness goal should be based on the significance and complexity of the issues and the priority of other agency work. Therefore, if you determine that your activity will result in the need for an extension beyond the overall 120-day timeliness goal, please send me an email with the reason for the extension request and a new completion date. I will subsequently forward this request to the DVPM who will forward it to the EDO for approval.

Please ensure that all DPO-related activities are charged to Activity Code ZG0007.

Because this process is not routine, the DVPM will be meeting and communicating with all parties during the process to ensure that everyone understands the process, goals, and responsibilities. The DVPM will be subsequently sending you information intended to aid you in implementing the DPO process.

An important aspect of our internal safety culture includes respect for differing views. As such, you should exercise discretion and treat this matter sensitively. Documents should be distributed on an as-needed basis. In an effort to preserve privacy, minimize the effect on the work unit, and keep the focus on the issues, you should simply refer to the employee as the DPO submitter. Avoid conversations that could be perceived as "hallway talk" on the issue. We need to do everything that we can in order to create an organizational climate that does not chill employees from raising dissenting views. It is appropriate for employees to discuss the details of the DPO with their co-workers as part of the evaluation; however, as with other predecisional



processes, employees should not discuss details of the DPO outside the agency.

As a final administrative note, please ensure that all correspondence associated with this case include the DPO number in the subject line, be profiled in accordance with ADAMS template OE-011, be identified as non-public with limited viewer rights to those included on distribution of correspondence and declared an official agency record *when the correspondence is issued*. Please email the ADAMS accession number for the record to [DPOPM.Resource@nrc.gov](mailto:DPOPM.Resource@nrc.gov) and the record will be filed in the applicable DPO case file folder (DPO-YYYY-NNN) in the ADAMS Main Library. Following this process will ensure that a complete agency record is generated for the disposition of this DPO. If the submitter requests that the documents included in the DPO Case File be made public when the process is complete, you will be provided specific guidance to support a releasability review.

I appreciate your willingness to serve and your dedication to completing an independent and objective review of this DPO. Successful resolution of the issues is important for NRC and its stakeholders. If you have any questions, you may contact me, Renée Pedersen, DVPM, at (301) 415-2742, or Marge Sewell, Safety Culture Specialist at (301) 415-8045.

I look forward to receiving your independent review results and recommendations.

Enclosures:

1. DPO-20YY-nnn
2. Milestones and Timeliness Goals

cc w/o Enclosure:

Submitter  
DVPM

**From:** Mullins, Charles  
**To:** Markley, Michael  
**Subject:** Observation  
**Date:** Friday, November 21, 2014 5:15:41 PM

---

Michael;

I went back and read the petition.

(b)(5)

yourself.

I will bring it down on Monday and you can read it

Have a great weekend.

Chuck

C/23

**From:** Sebrosky, Joseph  
**To:** Dudek, Michael  
**Cc:** Bowers, Anthony; Markley, Michael; Oesterle, Eric  
**Subject:** RE: Proposed Questions to PG&E  
**Date:** Friday, September 19, 2014 6:35:22 AM  
**Attachments:** FW Did PGE and the NRC work together to spin news on Diablo Canyon quake safety.msg

Attached email is publicly available as part of documents D/25 and D/26 in interim response #2 in FOIA-2014-0488 (ML14322A779).

Thanks - (b)(6) I will work with Tony to discuss the issue below, and to ensure the EDO staff is aware that in the attached email NRR DORI management has recommended to NRR senior management (b)(6)

Joe

**From:** Dudek, Michael  
**Sent:** Friday, September 19, 2014 6:18 AM  
**To:** Sebrosky, Joseph; Bowers, Anthony  
**Subject:** Re: Proposed Questions to PG&E

Morning Joe! (b)(6) so I will not be in the office. Tony Bowers will carry the ball for this. He'll be able to break down any barriers that you need.

Sent from an NRC Blackberry  
Michael I. Dudek

(b)(6)

**From:** Sebrosky, Joseph  
**Sent:** Thursday, September 18, 2014 05:20 PM Eastern Standard Time  
**To:** Dudek, Michael  
**Cc:** Walker, Wayne; OKeefe, Neil; Oesterle, Eric; Markley, Michael; Karas, Rebecca; Lupold, Timothy  
**Subject:** FW: Proposed Questions to PG&E

Mike,

I am going to give you a call on this. We need to confirm with the EDO's office that the position taken in the DPO appeal is that the operability determination for Diablo should have also included a comparison to the DDE. (b)(6)

Non Responsive

I have been asked by my management to check with the EDO's office on this.

I will try to call you later tonight or early tomorrow to discuss.

Thanks,

Joe

C/24

**From:** Sebrosky, Joseph  
**Sent:** Thursday, September 18, 2014 9:34 AM  
**To:** Hiland, Patrick  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Oesterle, Eric; Wilson, George; Walker, Wayne; OKeefe, Neil; Hipschman, Thomas; Munson, Clifford; Manoly, Kamal; Hill, Brittain  
**Subject:** RE: Proposed Questions to PG&E

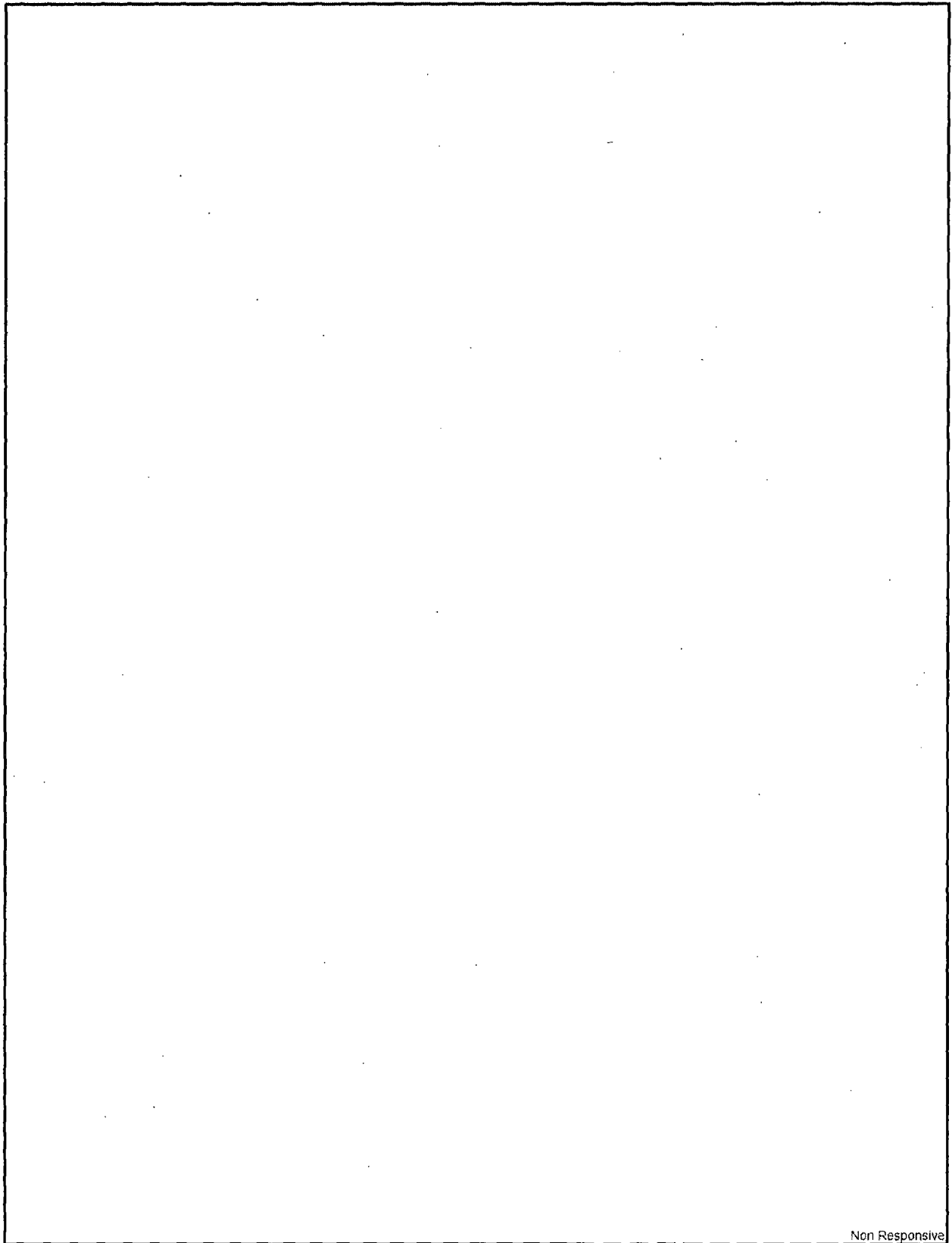
Pat,

The purpose of this email is to provide you with the reference documents that I discussed with you this morning that serves as the basis for why I believe it is important to understand PG&E's position on whether or not in-structure motions (different damping values and comparisons) have been done. Specifically I referenced information that is in the DPO. The DPO case file can be found at: [ML14252A743](#)

The case file is 164 pages long. The most important portion of the case file to me is the last 5 pages (i.e., 159 – 164) that documents the EDO's appeal decision. The 5 page document provides a concise history of the issue and also includes the following discussion on page 4:

*Nevertheless, your questioning attitude and perseverance were key to ensuring that the licensee and staff fully evaluated the implications of the Shoreline fault zone. You correctly noted that the seismic hazard should be evaluated for not only comparison of the ground motion response spectra, but also the plant's design and construction to ensure continued safe operation.*

I understand that the in-structure motions calculations were not part of the basis for the operability determination that was made in the October 2012 time frame. Nevertheless it would appear to me that the EDO agrees that they should have been done. Based on the



Non Responsive

**From:** Hill, Brittain

**Sent:** Wednesday, September 17, 2014 5:32 PM  
**To:** Manoly, Kamal; Munson, Clifford  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph  
**Subject:** Re: Proposed Questions to PG&E

Without the clarification on damping, we end up with the same confusing issues as 2 non concurrences, a DPO, the 2014 union Conc sci report, and recent petition by FOE. If damping clarified, stops all this confusion in its tracks and gives clear basis for decisions. This is not a pure engineering exercise, and what you are portraying as "noise" is an important consideration in clearly explaining why or why not we think DCP is safe to operate. If there still are dissenting views, I suggest we discuss them at tomorrow's meeting before call.

Britt

Sent from Brittain Hill's PDA

(b)(6)

**From:** Manoly, Kamal  
**Sent:** Wednesday, September 17, 2014 04:58 PM Eastern Standard Time  
**To:** Hill, Brittain; Munson, Clifford  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph  
**Subject:** RE: Proposed Questions to PG&E

I mentioned RG 1.61 to illustrate a point. I know from my involvement with Diablo since the mid-eighties that the plant was licensed to damping values that are different from RG 1.61. I also knew that some components are governed by DDE and others by Hosgri. From doing actual design of components in nuclear plants, designers know that some components may be governed by OBE and others by SSE. Still, the argument about damping should not be relevant to altering the evaluation done by PG&E in 2011 except for the change of ground motion (old shoreline line vs. new shoreline hazard). That is the only variable of significance. The rest is in the noise level from an engineering standpoint.

## **Kamal Manoly**

**Senior Level Technical Advisor for Structural Mechanics**

**Division of Engineering**

**Office of Nuclear Reactor Regulation**

**301-415-2765**

**From:** Hill, Brittain  
**Sent:** Wednesday, September 17, 2014 4:17 PM  
**To:** Manoly, Kamal; Munson, Clifford  
**Cc:** Ake, Jon; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph  
**Subject:** Re: Proposed Questions to PG&E

Please read ch 2,3, and 5 in DCP SAR to see that Hosgri is not limiting demand - can be either HE or DDE. PGE also didn't use RG 1.61 damping for all Cat1 SSCs. Please look at SAR for their mix. Unless they identify appropriate damping etc, we simply cannot state that new info is bounded by existing lic basis. If new Shoreline exceeds DDE, and DDE is the SSE and limiting GM (NOT Hosgri!) for some SSCs, we certainly need PGE to state what damping is appropriate for new info: DDE, HE, RG1.61, or

something else.

Britt

Sent from Brittain Hill's PDA

(b)(6)

**From:** Manoly, Kamal

**Sent:** Wednesday, September 17, 2014 04:06 PM Eastern Standard Time

**To:** Munson, Clifford

**Cc:** Ake, Jon; Hill, Brittain; Li, Yong; Markley, Michael; Lupold, Timothy; Karas, Rebecca; Ross-Lee, MaryJane; Hiland, Patrick; Oesterle, Eric; Sebrosky, Joseph

**Subject:** Proposed Questions to PG&E

Cliff,

I see no relevance or value from asking PG&E question #5 about "In-structure motions (different damping values & appropriate comparisons)". The sole focus should be on confirming that PG&E new shoreline fault ground motion estimate is reasonable and acceptable to the staff. With such confirmation, then, the hazard from the shoreline fault would be bounded by the "Old" Hosgri. That should be the end point of our assessment of the CA report.

Introducing a question as to whether the damping values to be used for the 2014 hazard estimate of the shoreline fault may be different from that used in the 2011 evaluation would be pointless and shifting the focus to a totally unrelated issue. You will never find any documented reference that correlates slight change in hazard vs damping values for structural materials. Remember, in RG 1.61 we prescribe (for a specific structural material) a single damping value to be used by ALL plants in the US for OBEs and another for ALL SSEs regardless of the location. The reason is based on acceptable understanding that viscous structural damping would generally be lower at lower deformation level. We know that ground motion estimates for OBEs and SSEs vary greatly from low seismic regions such as the Gulf States vs. high seismic regions such as CA. For this reasoning, asking the question about the effect of different damping values on in-structural response due to slight change in hazard would be worthless and totally distracting from the central issue in the CA report.

**Kamal Manoly**

**Senior Level Technical Advisor for Structural Mechanics**

**Division of Engineering**

**Office of Nuclear Reactor Regulation**

**301-415-2765**

**From:** Oesterle, Eric  
**To:** Whited, Jeffrey  
**Cc:** Markley, Michael; Lund, Louise; Wilson, George  
**Subject:** Additional Q&As for Diablo Canyon  
**Date:** Tuesday, November 25, 2014 12:37:05 PM  
**Attachments:** ANTICIPATED QUESTIONS AND ANSWERS\_DCPP.docx  
image001.png

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Jeff,

I've incorporated Mike Markley's comments on the subject Q&As for EPW Hearing support and have provided the updated responses.

*Eric R. Oesterle*

NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014



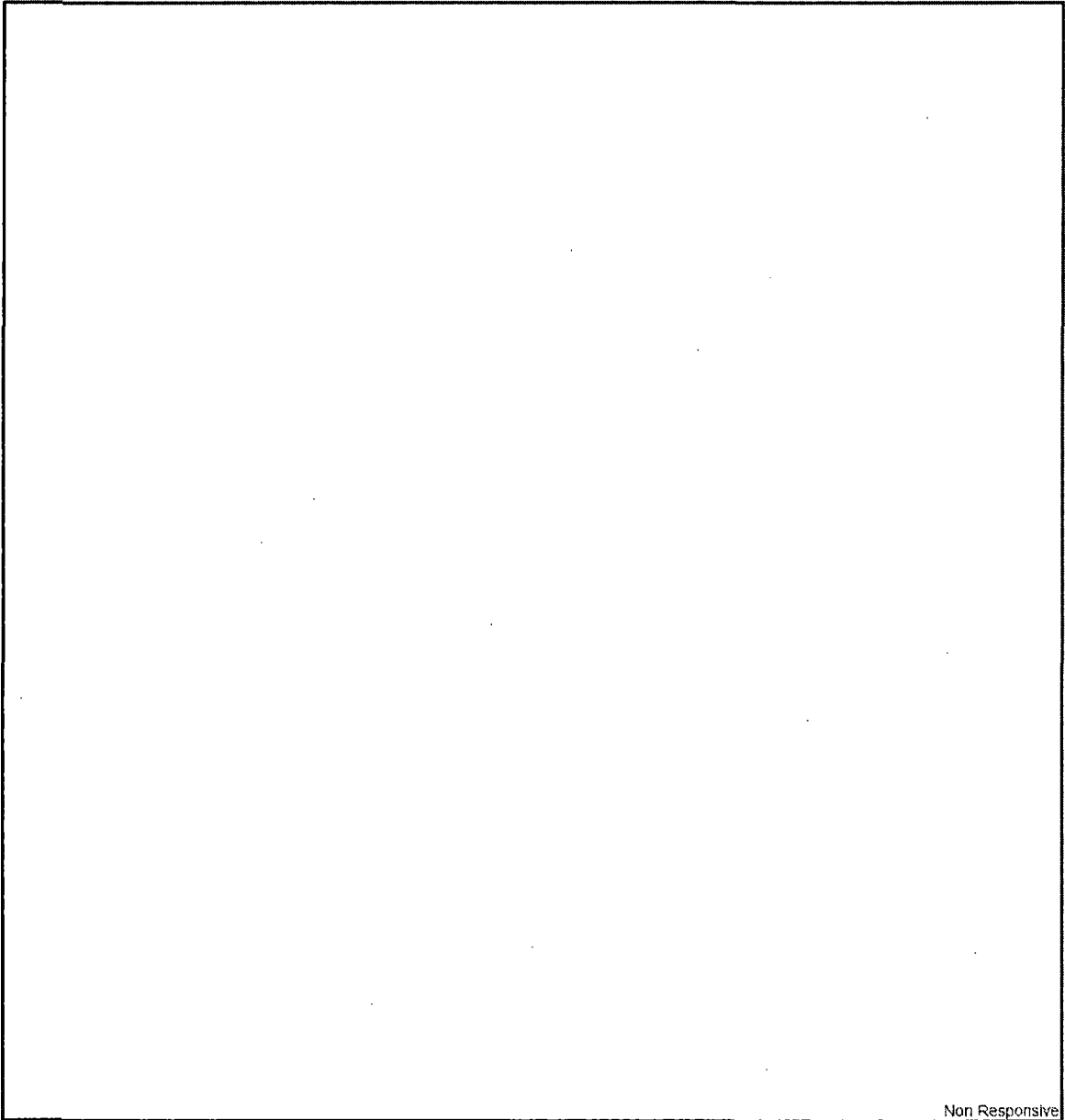
C/25



## ANTICIPATED QUESTIONS AND ANSWERS

### DIABLO CANYON

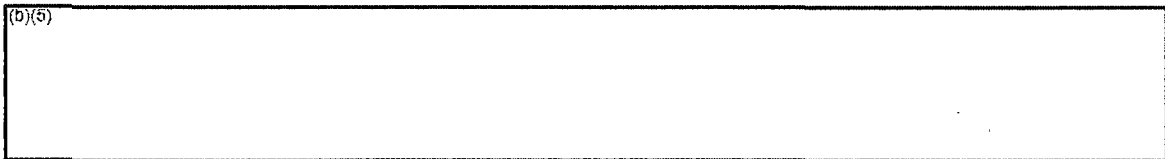
1.



Non Responsive

2.

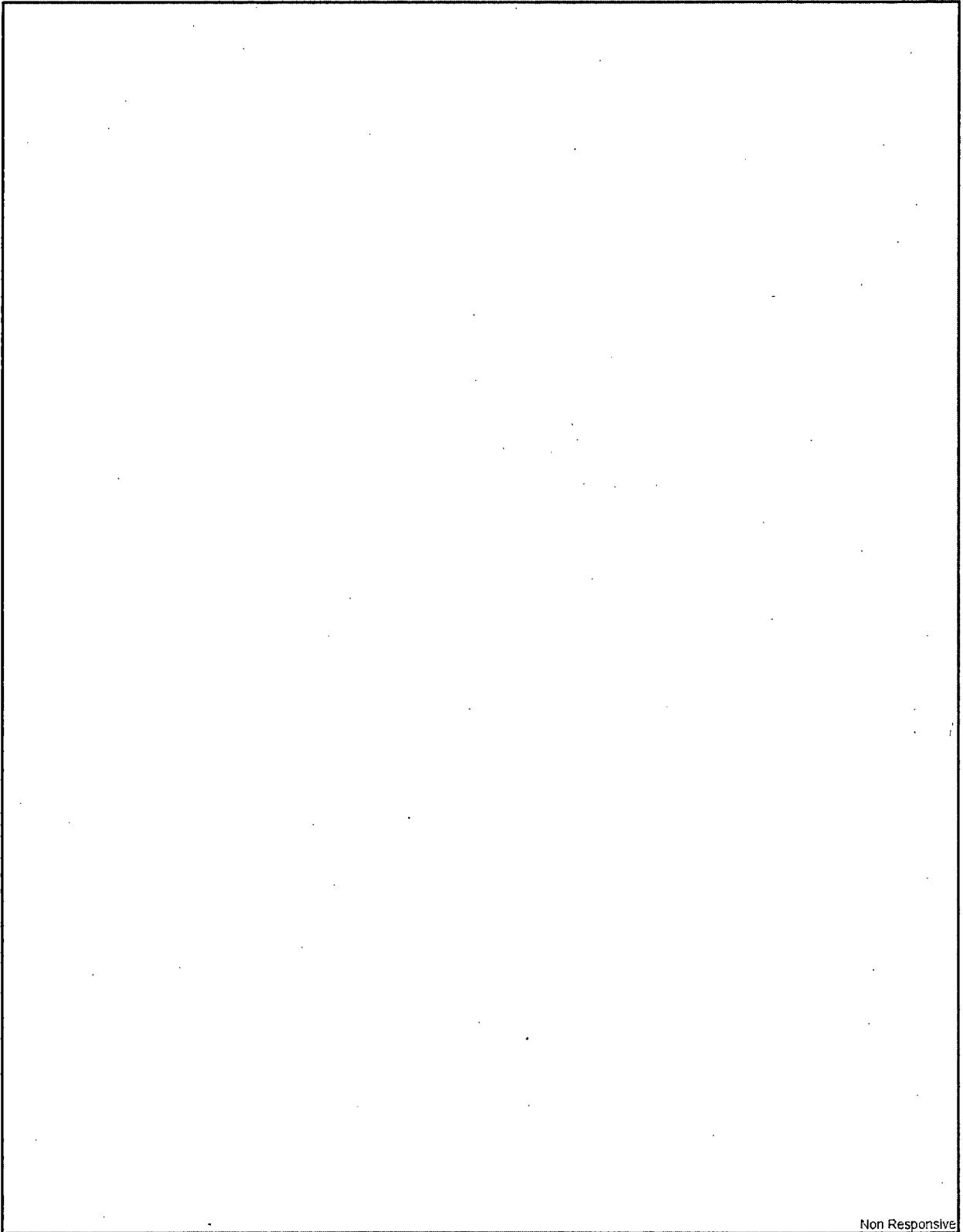
(b)(5)



3.

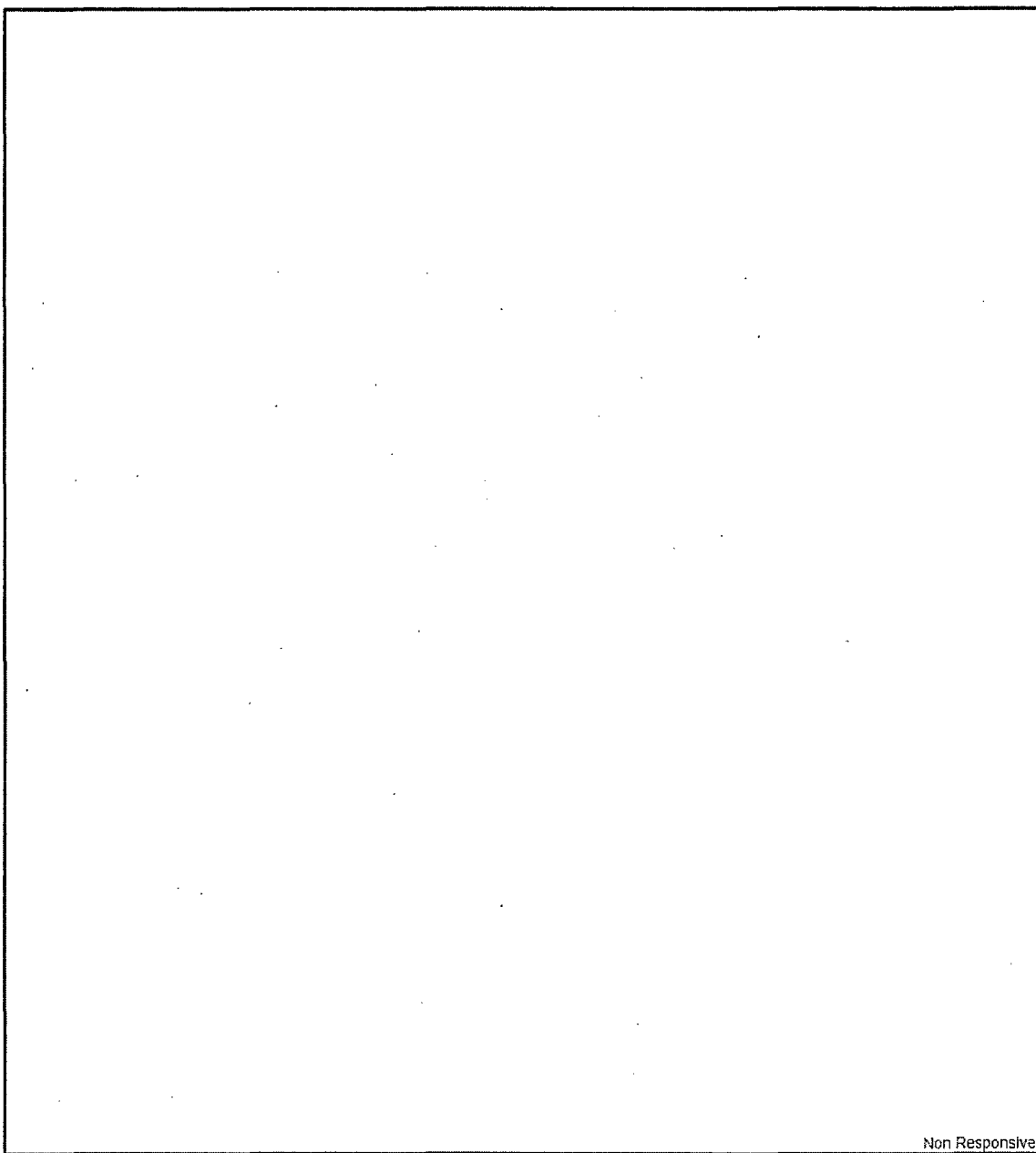


Non Responsive



Non Responsive

5.



Non Responsive

**From:** [Sebrosky, Joseph](#)  
**To:** [Klett, Audrey](#)  
**Cc:** [Markley, Michael](#); [Oesterle, Eric](#); [Wilson, George](#)  
**Subject:** thanks for developing TER shell for Diablo Canyon  
**Date:** Thursday, October 23, 2014 7:42:12 AM  
**Attachments:** [Diablo Canyon operability evaluation 2014 seismic information technical evaluation.docx](#)  
[Path forward for Diablo operability assessment.msg](#)

---

Audrey,

The purpose of this email is to thank you for developing the outline for the Diablo Canyon seismic TER. I used it to develop the attached TER which was used as a strawman for management discussions yesterday. Attached is a summary of the outcome of the meeting. Although it looks like the attached TER is going to be heavily revised it did serve a purpose as the basis for a starting point to get the ball rolling on the evaluation. It also appears to me that the general outline for the TER (which you developed) is going to be used.

I just thought you should know that I very much appreciated not having to start from scratch on developing the TER and how I used what you developed.

Thanks again for the help.

Joe

---

**From:** Sebrosky, Joseph  
**Sent:** Tuesday, October 21, 2014 8:10 AM  
**To:** Wilson, George; Oesterle, Eric; Markley, Michael  
**Subject:** info: latest version of Diablo Canyon TER

To all,

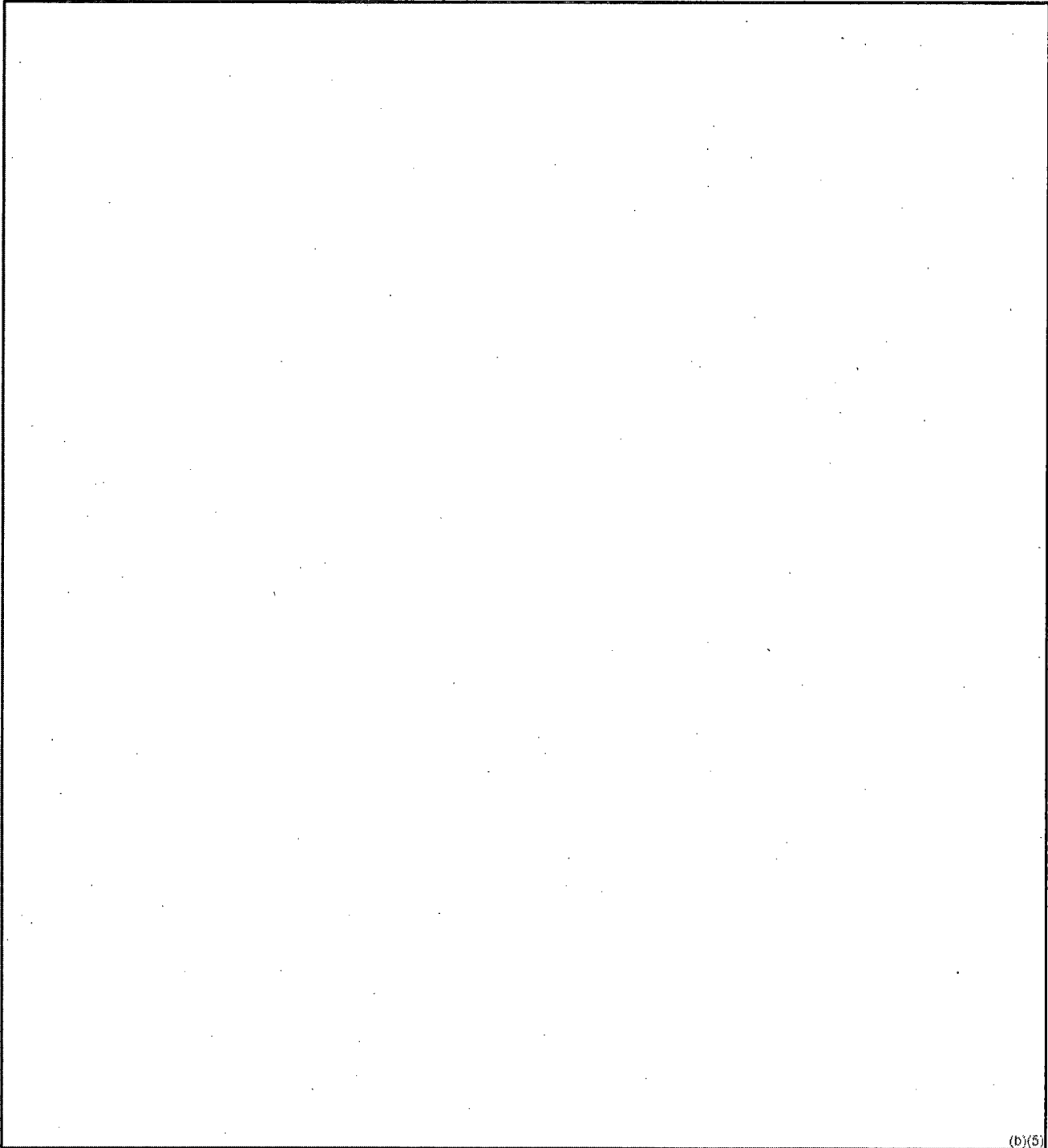
Attached is the latest version of the Diablo Canyon TER. It incorporates comments from Eric and has other minor editorial changes from previous versions. Per direction from George I have stopped work on the effort pending the outcome of the meeting later today.

Thanks,

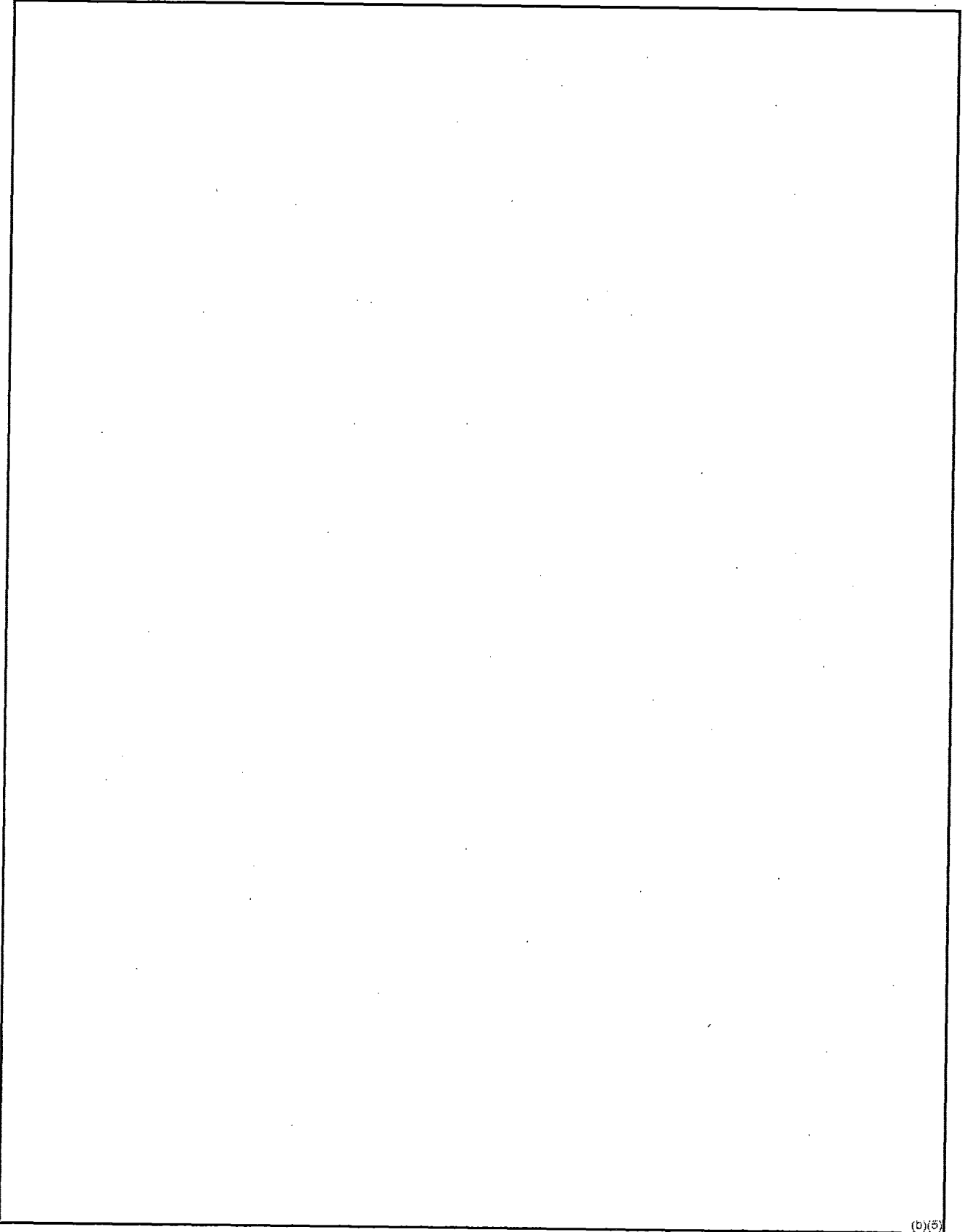
Joe Sebrosky  
Senior Project Manager  
Japan Lessons-Learned Division  
Office of Nuclear Reactor Regulation  
[joseph.sebrosky@nrc.gov](mailto:joseph.sebrosky@nrc.gov)  
301-415-1132

C/26

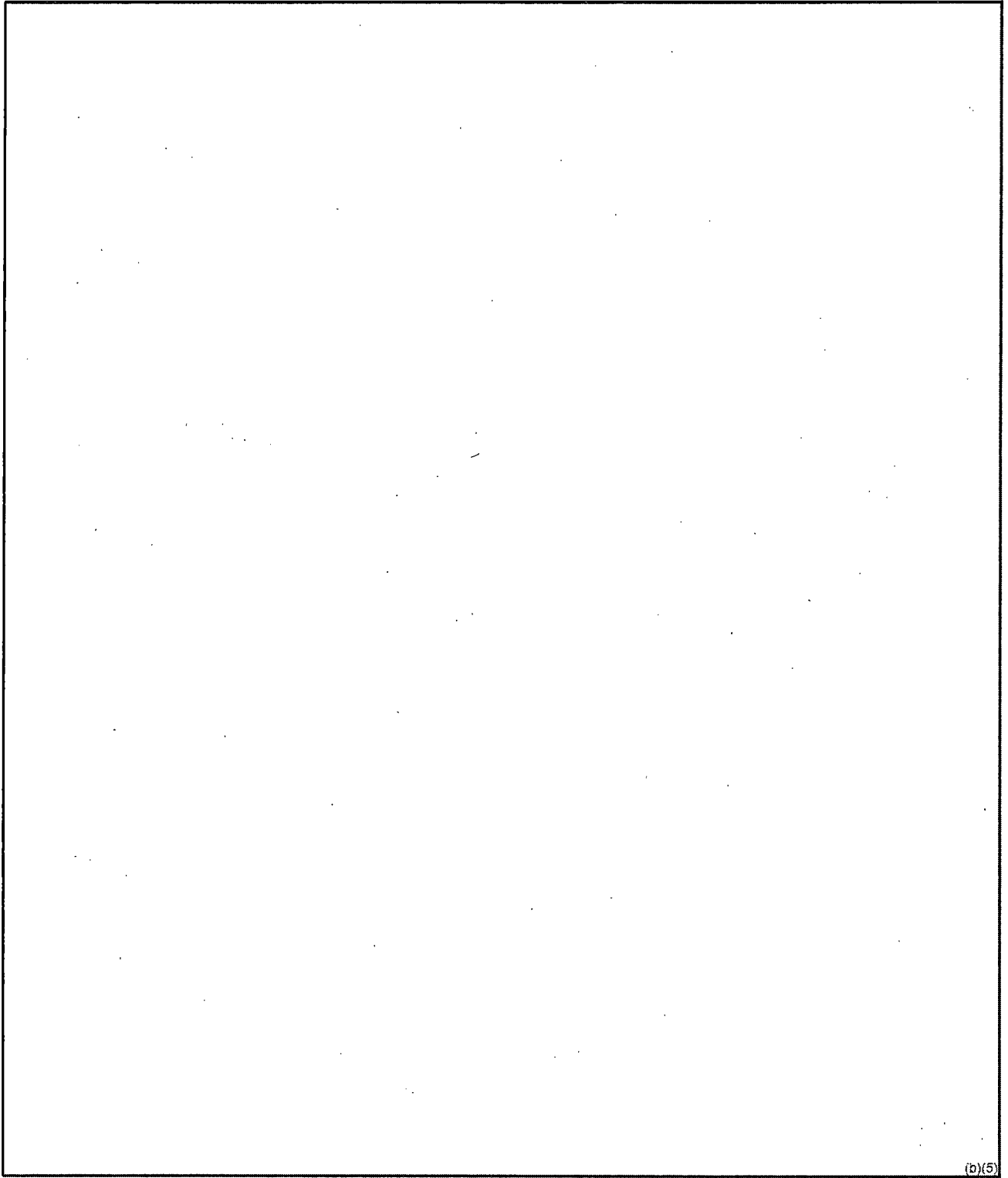
TECHNICAL EVALUATION REPORT BY THE OFFICES OF NEW REACTORS,  
RESEARCH, AND NUCLEAR REACTOR REGULATION  
*CENTRAL COASTAL CALIFORNIA SEISMIC IMAGING PROJECT*  
PACIFIC GAS AND ELECTRIC COMPANY  
DIABLO CANYON POWER PLANT, UNITS 1 AND 2  
October 21, 2014, 8:00 am version



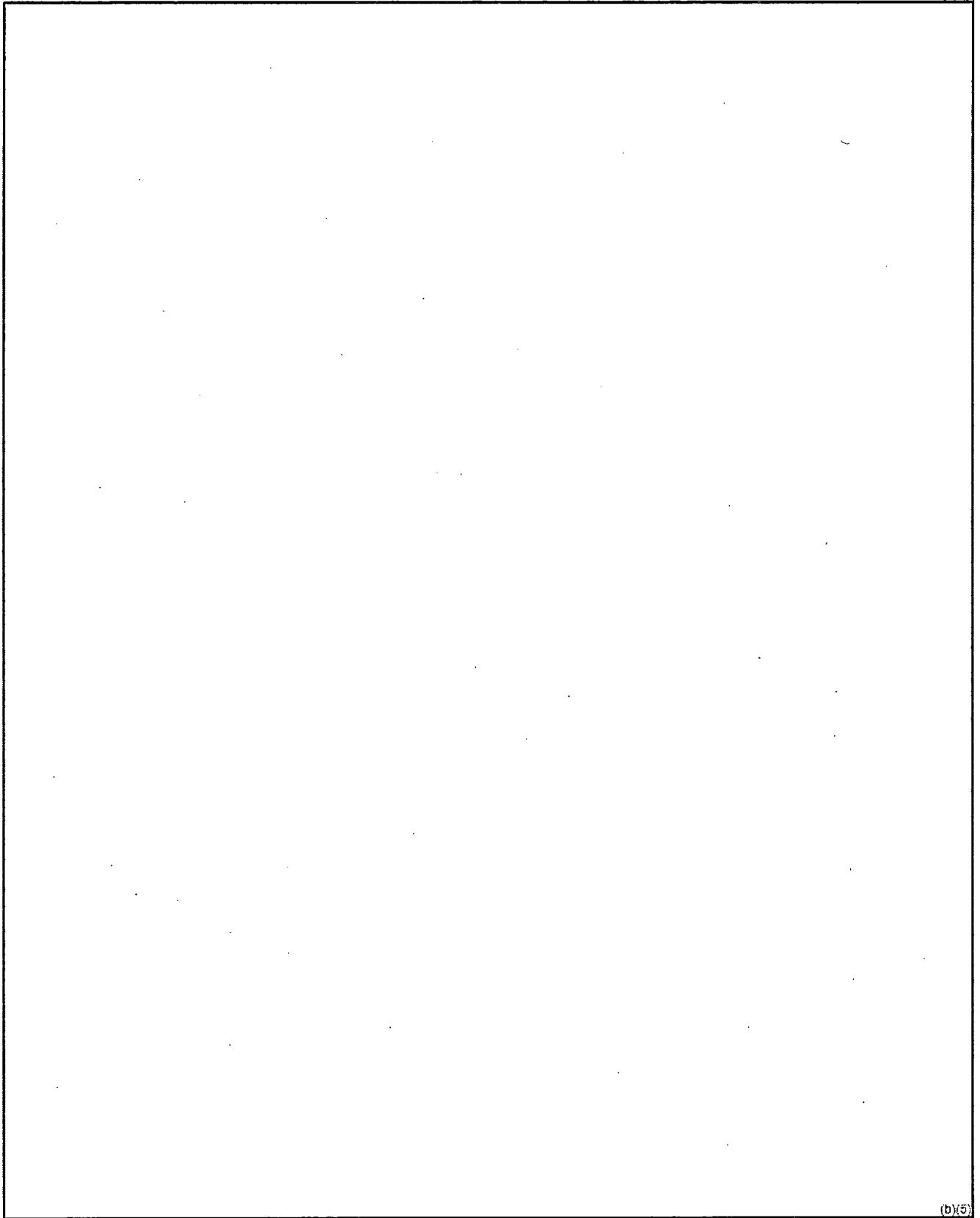
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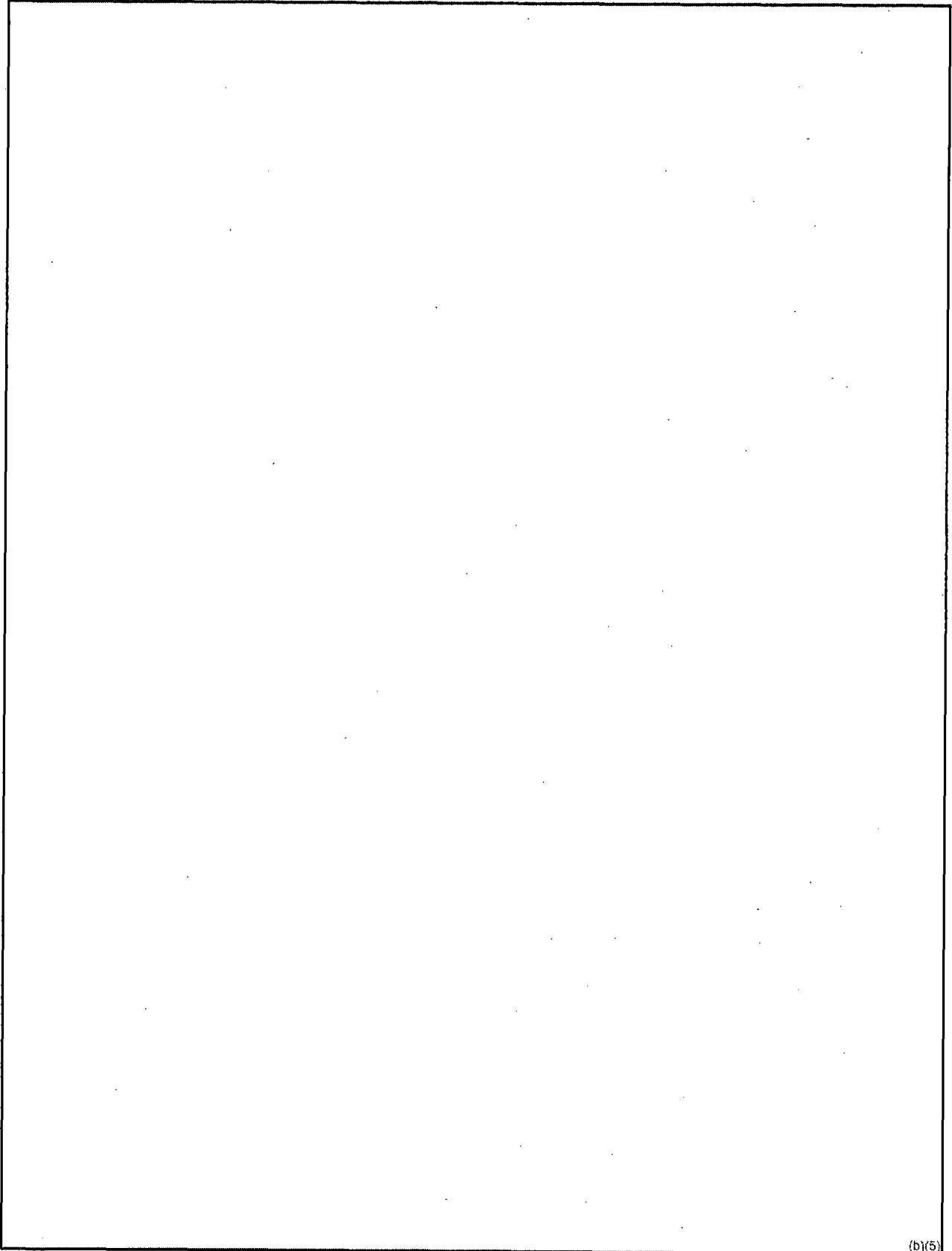


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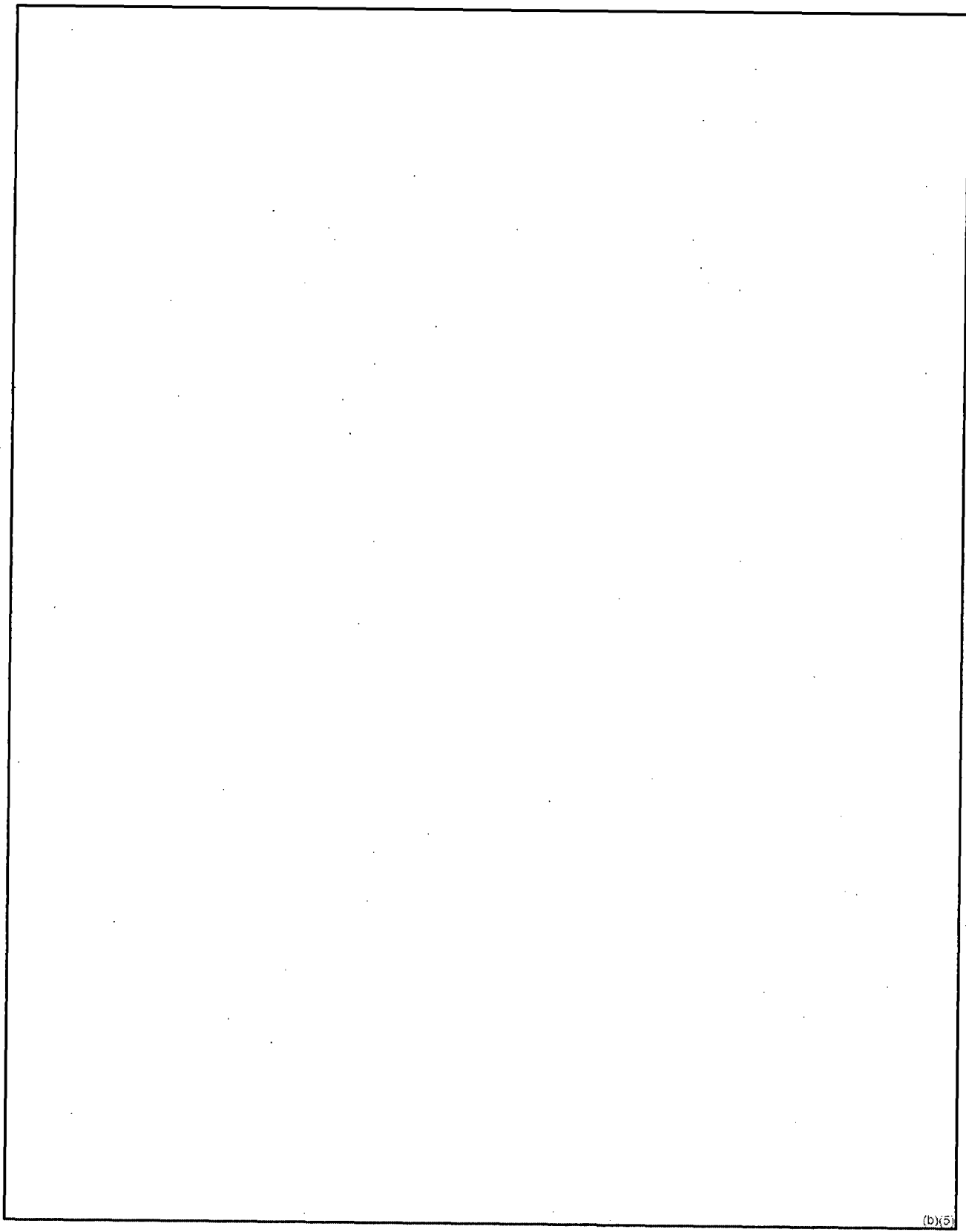


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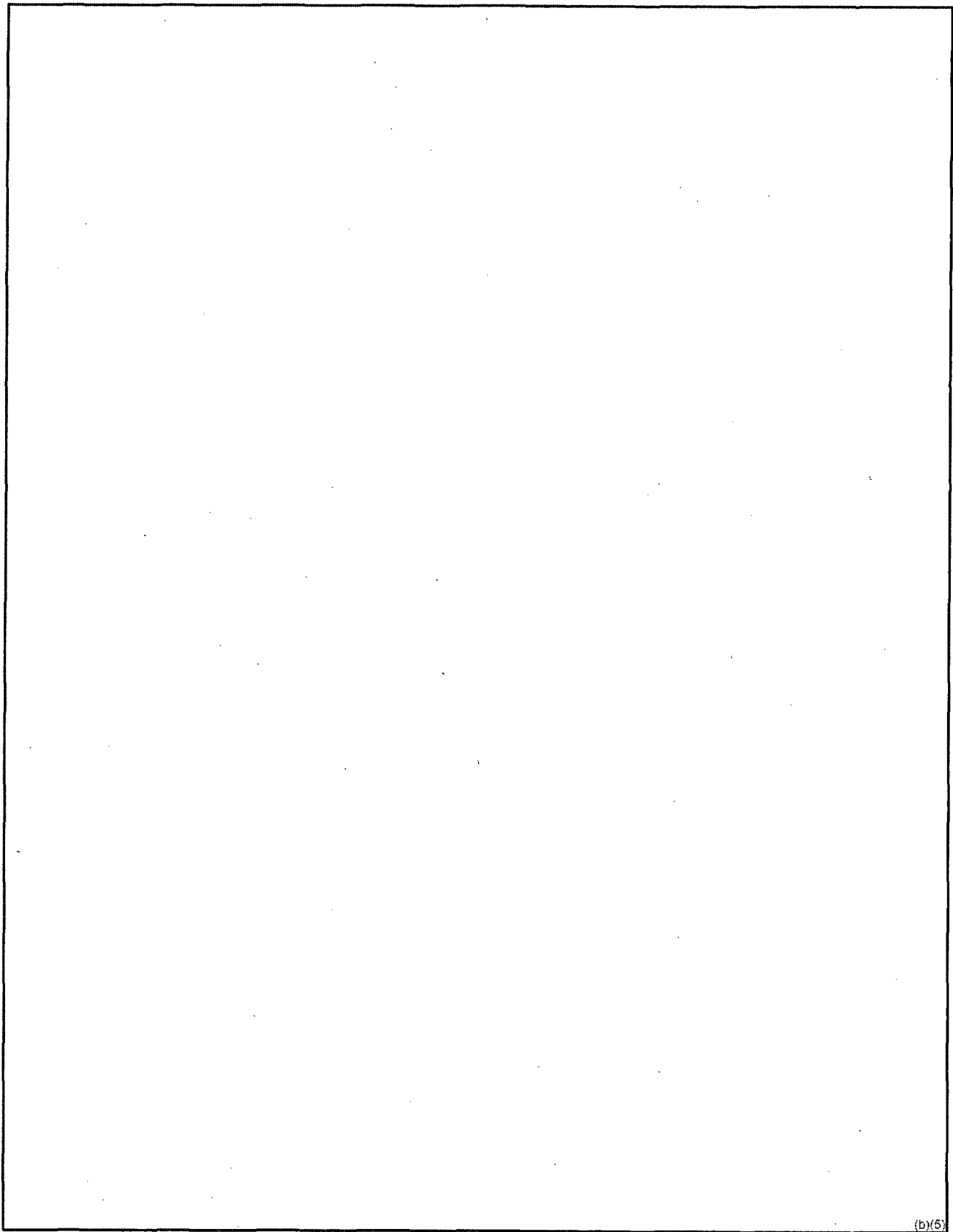




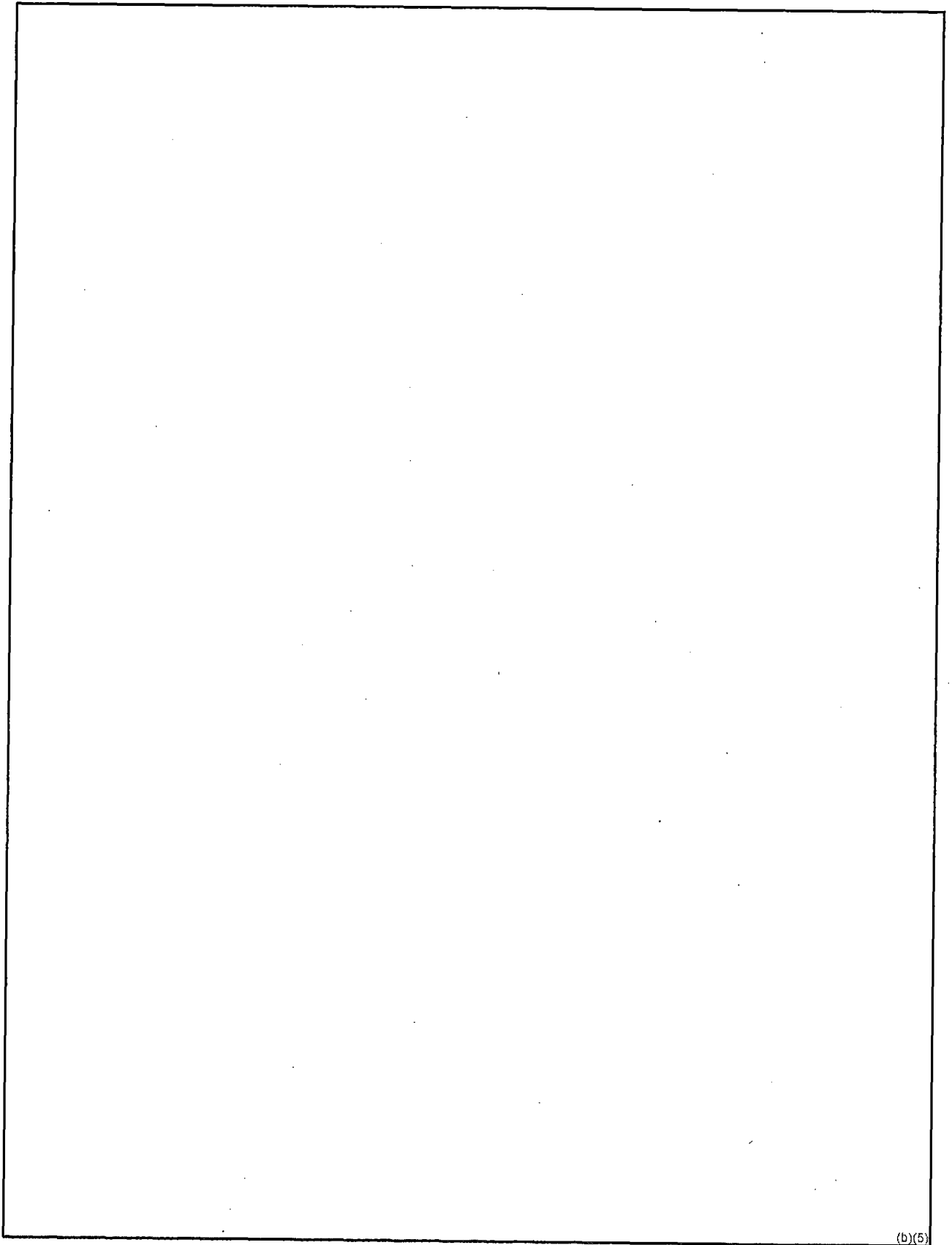
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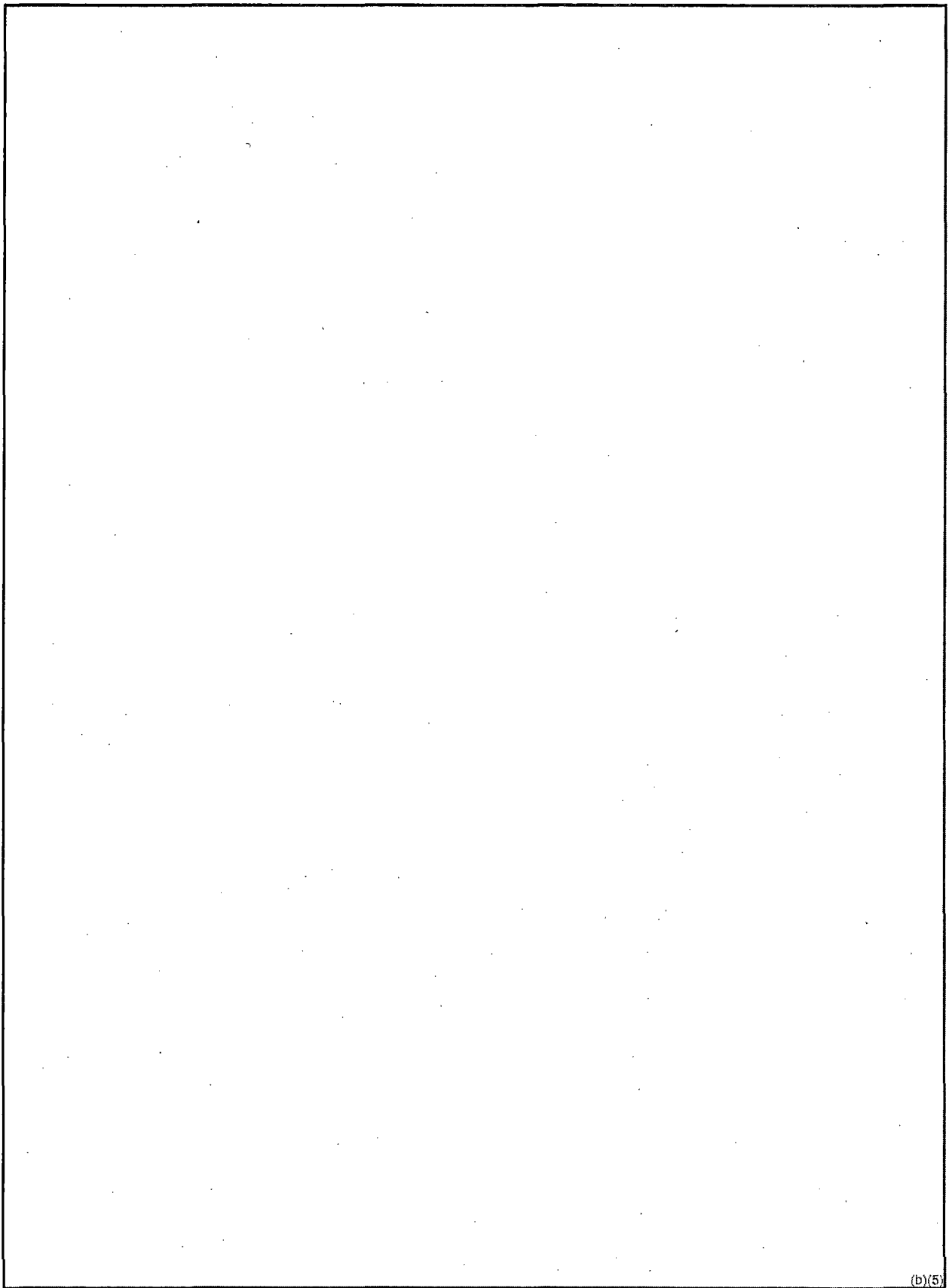
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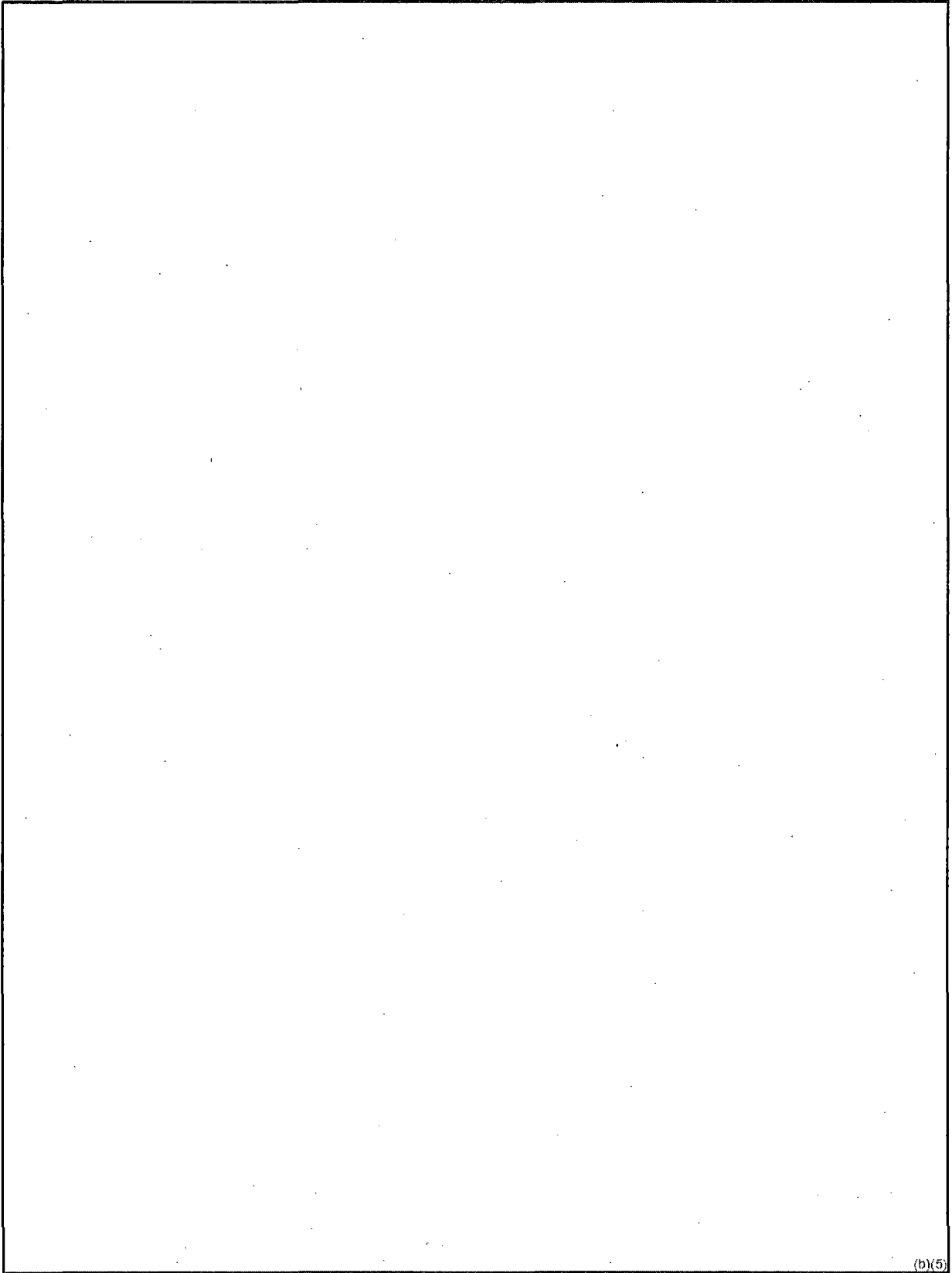
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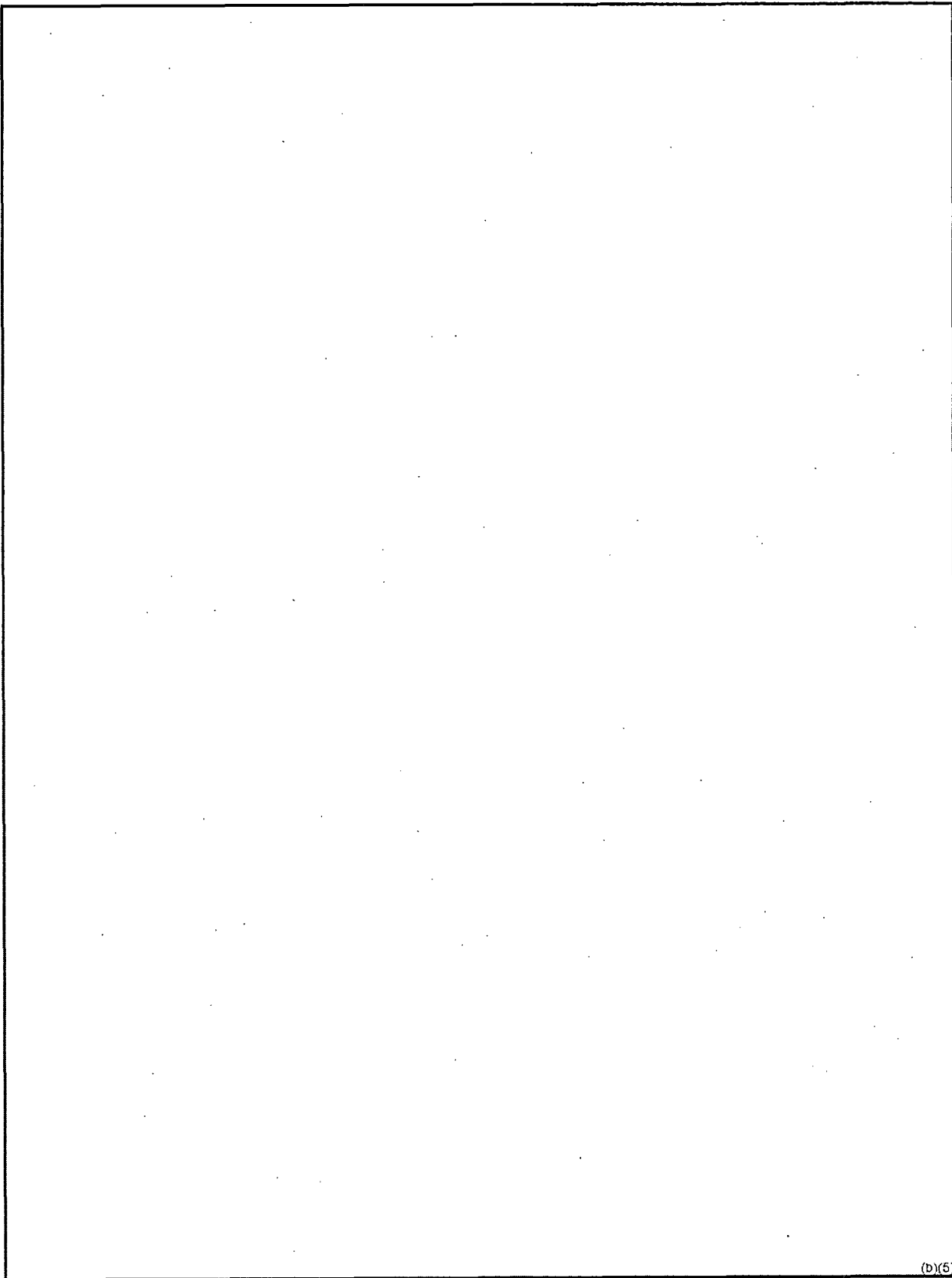
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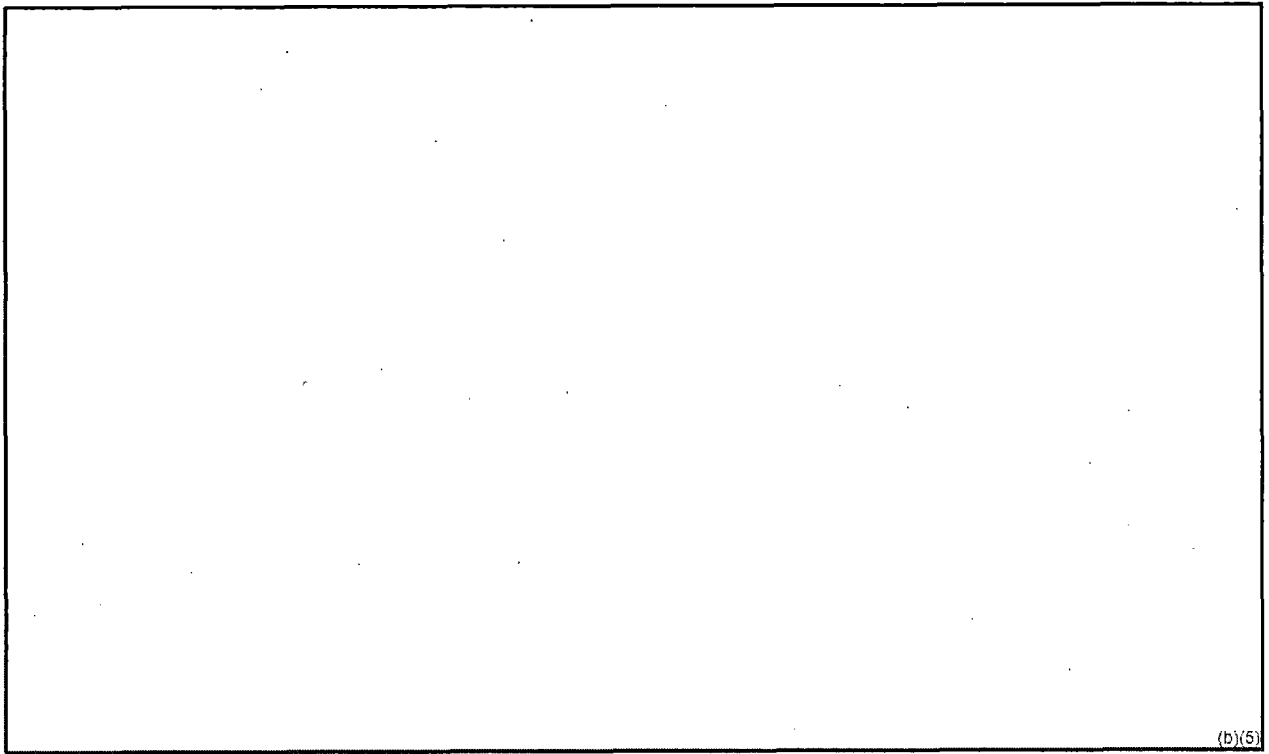
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(b)(5)



Table 6-23

## DIABLO CANYON STRUCTURE FRAGILITIES

(Based on hazard defined over 3 to 8.5 hertz range.)

Structure	Fundamental Frequency Hertz	Failure Mode	Spectral Acceleration Capacity			
			$\frac{v}{S_g}$ (g)	$\beta_R$	$\beta_U$	HCLPF (g)
Containment Building	4.1	Exterior Shell Shear	8.42	0.26	0.30	3.34
Concrete Internal Structure	8.9	Internal Structure Shear	6.91	0.20	0.31	2.98
Intake Structure	23.3	North Wall Shear	8.55	0.28	0.31	3.23
Auxiliary Building	8.2	North/South Shearwalls	5.79	0.21	0.26	2.66
Turbine Building	8.6	Shear Wall, Column 31	4.87	0.26	0.33	1.84
	9.0	Block Wall	>10.0	—	—	—
Refueling Water Storage Tank	7.6	Concrete/Bedrock Flexure	9.92	0.29	0.36	3.40
Condensate Storage Tank	—	Comparison to RWST	>10.0	—	—	—
DG Fuel-Oil Storage Tank	Buried	Rupture	>10.0	—	—	—
Auxiliary Saltwater Piping	Buried	Rupture	9.23	0.18	0.21	4.85

Table 6-24  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
(Based on hazard defined over 3 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{Y}{S_a(z)}$	$\beta_R$	$\beta_U$	HCLFF (g)
NUCLEAR STEAM SUPPLY									
Reactor Pressure Vessel	Containment - (107')	12-14 Hz (H)	Dynamic Analysis	Support Rim Shear	W Summary Data	8.71	0.25	0.33	1.34
Reactor Internals	Containment - (107')	16-30 Hz (V)	Dynamic Analysis	Lower Core Plate	W Summary Data	10.54	0.40	0.26	1.55
Steam Generators	Containment - (140')	9 Hz (H)	Dynamic Analysis	Upper Lateral Support	W Summary Data	6.96	0.31	0.29	2.55
Pressurizer	Containment - (140')	15 Hz (H)	Dynamic Analysis	Seismic Support Lag	W Summary Data	11.44	0.31	0.44	1.33
Pressurizer Safety Valves	Containment - (140')	Flexible Piping	Static Analysis/Test	Generic Function	M377, M401	>10.6	-	-	-
Power Operated Relief Valves	Containment - (140')	Flexible Piping	Static Analysis/Test	Generic Function	M377, M401	7.61	0.30	0.42	2.32
Reactor Coolant Pumps	Containment - (114')	7 Hz (H)	Dynamic Analysis	Lower Motor Stand	M355, M428, M429	8.83	0.37	0.33	2.63
Control Rod Drives	Containment - (140')	7-10 Hz (H)	Dynamic Analysis	Head Adapter Yield	W Summary Data	11.71	0.41	0.34	3.40
NSSS Piping	Containment - (140')	7-9 Hz (H&V)	Dynamic Analysis	Rupture	W Summary Data	>10.6	-	-	-
RESIDUAL HEAT REMOVAL									
RHR Pumps	Auxiliary (58')	Flexible Piping	Dynamic Analysis	Pump Hold Down Bolts	W Summary Data	8.31	0.33	0.22	1.15
RHR Heat Exchangers	Auxiliary (100')	12 Hz (H)	Static Analysis	Anchor Bolts & Upper Lateral Support	W Summary Data, M463, M474	8.09	0.24	0.21	1.48
SAFETY INJECTION									
SI Accumulators	Containment (91')	25-34 Hz (H)	Static Analysis	Anchor Studs	W Summary Data, M314	10.01	0.29	0.19	4.53
SI Pumps	Auxiliary (83')	>33 Hz (H)	Static Analysis	Pump Hold Down Bolts	W Summary Data	10.94	0.34	0.19	4.64
Boron Injection Tank	Auxiliary (73')	15-17 Hz (H)	Static Analysis	Anchor Bolts	W Summary Data	8.46	0.27	0.19	1.96
COMPONENT COOLING WATER									
CCW Pumps	Auxiliary (73')	Flexible Piping	Static Analysis	Pump Hold Down Bolts	M006, M007, M318	8.53	0.29	0.21	3.74
CCW Heat Exchangers	Turbine (85')	13 Hz (H)	Dynamic Analysis	Longitudinal Strut Bolts	M008, M336, M475	6.31	0.27	0.28	2.55
CCW Surge Tank	Auxiliary (160')	31 Hz (H)	Static Analysis	Seismic Lateral Brace	M319	7.32	0.33	0.22	2.91
CHEMICAL AND VOLUME CONTROL									
Charging Pumps (centrifugal)	Auxiliary (73')	>33 Hz (H)	Static Analysis	Motor Hold Down Bolts	W Summary Data	10.16	0.21	0.19	4.45
Charging Pumps (reciprocating)	Auxiliary (73')	>33 Hz (H)	Static Analysis	Pump Hold Down Bolts	W Summary Data	>10.6	-	-	-
AUXILIARY SALTWATER									
Auxiliary Saltwater Pumps	Intake (2'-2")	43 Hz (H)	Static Analysis	Pump Mounting Bolts	M009	>10.0	-	-	-
CONTAINMENT SPRAY									
CS Pumps	Auxiliary (73')	>33 Hz (H)	Static Analysis	Foundation Bolts	W Summary Data	8.45	0.29	0.20	1.83
Spray Additive Tank	Auxiliary (73')	34 Hz (H)	Static Analysis	Support Pad/Shell	W Summary Data	6.78	0.30	0.18	1.07

Table 6-24 (Continued)  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
(Based on hazard defined over 3 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{Y}{S_a(g)}$	$\beta_R$	$\beta_U$	HCLPF (g)
MAIN STEAM									
MS Isolation Valves	Outside Containment (127')	Flexible Piping	Dynamic Analysis/Test	Actuator Support	M067, M463, M469	>10.0	-	-	-
MS Safety Valves	Auxiliary (140')	Flexible Piping	Dynamic Analysis/Test	Generic Function	M397	>10.0	-	-	-
MS PORV'S	Auxiliary (140')	Flexible Piping	Dynamic Analysis/Test	Generic Function	M397	11.31	0.34	0.38	3.51
AUXILIARY FEEDWATER									
AFW Pumps (Motor Driven)	Auxiliary (100')	42 Hz (H)	Static Analysis	Pump Held Down Bolts	M320A	>10.0	-	-	-
AFW Pumps (Turbine Driven)	Auxiliary (100')	43 Hz (H)	Static Analysis	Pump Held Down Bolts	M320, M321	7.71	0.29	0.21	3.38
DIESEL GENERATOR									
D.G. Fuel Oil Day Tank	Turbine (85')	10 Hz (V)	Static Analysis	Bottom Plate Rupture	M323	>10.0	-	-	-
D.G. Fuel Oil Pumps/Filter	Underground Vault (77')	Flexible Piping	Static Analysis	Filter Anchor Bolts	M324, M326	8.33	0.27	0.23	3.63
D.G. Fuel Oil Shut-off Valve	Underground Vault (77')	Flexible Piping	None	Pullable Link	Data Base	>10.0	-	-	-
D.G. Air Start Compressor	Turbine (85')	>33 Hz (H)	Generic Anchorages Analysis	Held Down Bolts	M323	>10.0	-	-	-
D.G. Air Start Recalver	Turbine (85')	24 Hz (H)	Dynamic Analysis	Held Down Bolts	M329	>10.0	-	-	-
Diesel Generators	Turbine (85')	17 Hz (H)	Dynamic Analysis	Skid Anchor Bolts	M423-M426	7.79	0.26	0.20	3.64
D.G. Radiator/Water Pump	Turbine (85')	17 Hz (H)	Dynamic Analysis	Anchor Bolting	M323	8.78	0.29	0.24	3.66
D.G. Inlet Silencer/Air Filter	Turbine (104')	Flexible Piping	Dynamic Analysis	Filter Support Rod Weld	M371, M449	>10.0	-	-	-
D.G. Excitation Cabinet	Turbine (85')	13 Hz (H)	Test	Structural	M346, M364	7.40	0.29	0.35	2.57
D.G. Control Panel	Turbine (85')	6 Hz (H)	Test	Chatter	M347, M364, M464, M482	7.77	0.35	0.14	4.08
D.G. Main Lead Terminal/Box	Turbine (85')	10 Hz (H)	Test Static Analysis	Structural Attachment-Fillet Weld	M348	4.35 >10.0	0.30	0.13	2.24
CONTAINMENT BUILDING VENTILATION									
Containment Fan Cooler	Containment (140')	23 Hz (H)	Dynamic Analysis	Foot Plate/Embed. Weld	M399, M499, M420, M421, M448	8.10	0.31	0.33	2.62
CONTROL ROOM VENTILATION									
Supply Fans	Auxiliary (154'-6")	>33 Hz (H)	Static Analysis	Support Bolting	M056	9.79	0.31	0.24	3.62
AC Units/Compressors	Auxiliary (154'-6")	>33 Hz (H)	Static Analysis	Anchor Bolt	M288, M312	>10.0	-	-	-
Control Cabinets	Auxiliary (157')	21 Hz (H)	Test	Structural	M455	>10.0	-	-	-
180V SWITCHGEAR/INVERTER/DC SWITCHGEAR/REFRIGERATION ROOM VENTILATION									
Supply/Return Fans	Auxiliary (163')	>33 Hz (H)	Static Analysis	Expansion Anchor	M010	11.16	0.31	0.30	3.95
Backdraft and Shut-Off Dampers	Auxiliary (163')	>33 Hz (H)	Static Analysis	Structural	M088	>10.0	-	-	-

Table 6-24 (Continued)  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
 (Based on hazard defined over 3 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{Y}{S_a(g)}$	$P_R$	$P_U$	HCLPF (g)
<b>4160V (VITAL) ELECTRIC POWER</b>									
Switchgear	Turbine (119')	7 Hz (H)	Test Static Analysis	Chatter Guide Rod Bending	M049, M315, M356, M373, M377-380, M482	5.53 7.44	0.35 0.31	0.25 0.35	1.31 2.95
Potential Transformers (Bus F)	Turbine (119')	21 Hz (H)	Static Analysis	Support Leg/Embed. Weld	M049, M375, M416, M450	10.83	0.31	0.38	3.47
(Bus G & H)	Turbine (119')	35 Hz (H)	Static Analysis	Support Leg/Embed. Weld	M049, M375, M416, M450	>10.0	-	-	-
Safeguard Relay Panel	Turbine (119')	11 Hz (H)	Static Analysis	Anchor Welds	M012, M373, M414, M430	10.74	0.34	0.36	3.39
<b>125V DC ELECTRIC POWER</b>									
Batteries	Auxiliary (115')	>33 Hz (H)	Test	Structural	M050, M054, M364	6.04	0.30	0.18	2.74
Battery Racks	Auxiliary (115')	>33 Hz (H)	Static Analysis	Longitudinal End Restraint	M015, M032, M050, M207	11.91	0.26	0.22	5.40
Battery Chargers	Auxiliary (115')	12 Hz (H)	Test	Structural	M054, M364, M453, M462	9.93	0.34	0.40	2.93
Switchgear/Breaker Panels	Auxiliary (115')	7 Hz (H)	Test	Structural	M014, M031, M364	6.47	0.35	0.38	2.36
<b>120V AC ELECTRIC POWER</b>									
Instrument Breaker Panels	Auxiliary (115')	>20 Hz (H)	Static Analysis	Slip-Nut Failure	M031A	>10.0	-	-	-
Inverters	Auxiliary (115')	5 Hz (H)	Test	Structural	M015, M016, M335, M413, M436, M451, M467	6.82	0.31	0.34	2.75
<b>480V (VITAL) ELECTRIC POWER</b>									
4160V/480V Transformers	Auxiliary (100')	3 Hz (H)	Static Analysis	Structural	M052, Walkdown	5.34	0.28	0.20	2.42
Breaker Cabinets (Load Centers)	Auxiliary (100')	13 Hz (H)	Static Analysis	Anchor Sillch Weld	M017, M364	>10.0	-	-	-
Auxiliary Relay Panel	Auxiliary (100')	29 Hz (H)	Test	Structural	M315, M364	7.25	0.28	0.18	3.37
<b>CONTROL ROOM</b>									
Main Control Boards	Auxiliary (140')	>33 Hz (H)	Test Dynamic Analysis	Switch Function Structural	W Summary Data, M456, M482	>10.0 7.77	- 0.31	- 0.27	- 2.98
Hot Shutdown Panel	Auxiliary (100')	>33 Hz (H)	Test	Switch Function	M317, M383, M342, M479, M482	7.40 7.27	0.27 0.30	0.25 0.14	3.22 3.52
Auxiliary Safeguards Cabinet	Auxiliary (128')	9-13 Hz (H)	Static Analysis Test	Structural Structural	M317, M354, M350	>10.0	-	-	-

Table 6-24 (Continued)  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
(Based on hazard defined over 3 to 3.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{V}{S_a(g)}$	$\beta_R$	$\beta_U$	HCLPF (g)
MIS CONTROL									
Process Control and Protection System	Auxiliary (114')	8-10 Hz (H)	Test	Structural	M317, M355	10.78	0.39	0.28	3.57
Solid State Protection System	Auxiliary (140')	8-11 Hz (H)	Test	Structural	M317, M355	12.43	0.37	0.28	4.32
Reactor Trip Switchgear	Auxiliary (115')	8 Hz (H)	Test	Structural	M317, M354	7.98	0.30	0.24	3.14
Resistance & Temperature Detectors	Auxiliary (140')	Not Given	Test	Structural	M345	>10.0	-	-	-
Pressure & $\Delta P$ Transmitters	Containment (137')	>33 Hz (H)	Test	Structural	M341	8.93	0.27	0.20	4.11
MISCELLANEOUS COMPONENTS									
Auxiliary Relay Rack	Auxiliary (128')	12-20 Hz (H)	Static Analysis	Anchor Bolts	M317, M358, M359	>10.0	-	-	-
Local Starter Boards	Various	18 Hz (H)	Test	Structural	M454	>10.0	-	-	-
Molded Case Circuit Breakers	Auxiliary (113')	>33 Hz (H)	Test	Structural	M476	>10.0	-	-	-
Valve Limit Switches	Auxiliary (Various)	>33 Hz (H&V)	Test	Generic Function	M344	>10.0	-	-	-
Inlet Lines	Containment (Various)	5-20 Hz (H&V)	Noise	Rupture From Impact	Data Base	7.09	0.28	0.33	2.63
Containment Purge Valves	Containment (132')	>33 Hz (H&V)	Static Analysis	Actuator Attach. Bolts	M433	>10.0	-	-	-
GENERIC COMPONENTS									
Off-Site Power 230KV 500KV	Yard	Flexible	Noise	Generic Failure	Data Base	1.48 0.81	0.24 0.24	0.20 0.28	0.82 0.39
Penetrations/Penetration Boxes	Containment (135')	24 Hz (H)	Test	Generic Structural	M454	7.38	0.31	0.27	2.43
DOF Piping and Supports	Various	Flexible Piping	Dynamic Analysis	Generic Support	M310, M381	11.03	0.40	0.39	3.00
Head, Relief, Solenoid, & Check Valves	Various	Flexible Piping	Dynamic Analysis	Generic Function	Data Base	>10.0	-	-	-
Air and Motor Operated Valves	Various	Flexible Piping	Dynamic Analysis	Generic Function	M367, M401	17.10	0.35	0.60	3.57
Cable Trays and Supports	Various	Flexible Trays	Static Analysis	Generic Support	M3109-M3213	>10.0	-	-	-
SVAC Ducting and Supports	Various	Flexible Ducting	Static Analysis	Generic Support	M3214-M3218	9.78	0.35	0.48	2.49

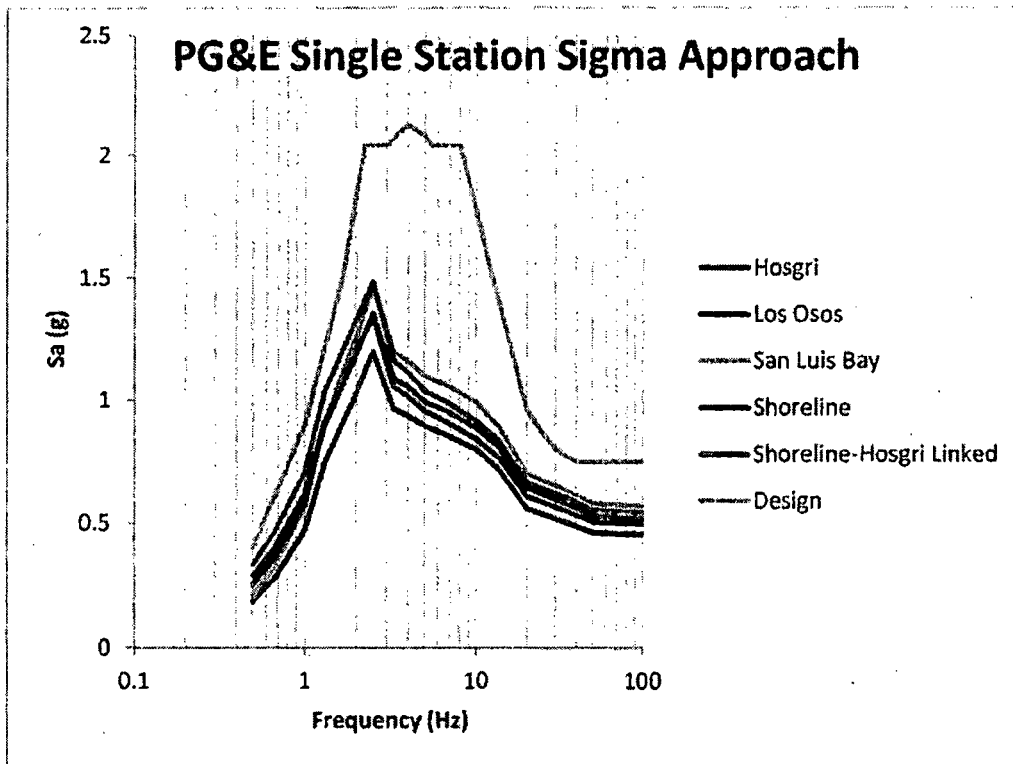


Figure 1 - Deterministic Response Spectrum Single Station Approach

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**From:** Oesterle, Eric  
**Sent:** Wednesday, October 22, 2014 3:55 PM  
**To:** Wilson, George  
**Cc:** Alexander, Ryan; Walker, Wayne; Sebrosky, Joseph; Markley, Michael  
**Subject:** Path forward for Diablo operability assessment

George,

As you know, members of NRO/DSEA and NRR/DE met this afternoon to discuss a proposed path forward. Everyone agreed that there is no immediate safety concern and that whatever approach we take only needs to be able to provide reasonable assurance until the NRC completes its review of the 50.54(f) response following the March 2015 submittal. The 50.54(f) response will still be the information that NRC ultimately hangs its hat on with respect to additional actions, if necessary, because it is expected to provide more accurate information.

The proposal from Nilesh Chokshi was to allow staff to consider all available and recognized methodologies for assessing response and not be limited to either single station correction (SSC) or Ergodic. This would also allow the staff to take into account knowledge gained from assessments of CEUS plants and develop a sort of averaged approach between SSC and Ergodic. The seismologists are on board with this approach and in fact had even considered at one point previously. This approach would result in curves that would tend to fall more to the right of the PG&E developed SSC curves and more to the left of the NRC back-calculated Ergodic curves. The resultant curves would be compared against Hosgri and also LTSP, if needed, and would factor in some qualitative discussions about fragility and capacity that were included in SSER 34. Everyone was in agreement with Nilesh's approach. Kamal was OK with it if the results still showed that the new curves were at or below Hosgri.

It was agreed that we need to get Region IV on board with this approach before we brief it to Jennifer. I am providing this email to Ryan Alexander and Wayne Walker as well.

*Eric R. Oesterle*  
NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014



**From:** Oesterle, Eric  
**To:** Scott, Michael  
**Cc:** Pedersen, Renee; Wilson, George; Markley, Michael; Broaddus, Doug  
**Subject:** RE: New AskManagement Submission  
**Date:** Monday, November 10, 2014 8:20:05 AM  
**Attachments:** Mini-Comm Plan on DCPD DPO final.docx

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Mike,

We prepared a mini Comm-plan associated with the EDO Decision on the Appeal of the DPO (see attached) and the release of the DPO Case file for public availability. Perhaps the attached will address the question. Like Mike Markley indicated, there is no indication that we will be responding directly to the 9/19 article.

Eric R. Oesterle  
NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014

-----Original Message-----

From: Markley, Michael  
Sent: Monday, November 10, 2014 8:10 AM  
To: Scott, Michael; Broaddus, Doug  
Cc: Oesterle, Eric; Pedersen, Renee; Wilson, George  
Subject: RE: New AskManagement Submission

Mike,

We had all kinds of stuff going at the time of the DPO Director's Decision and EDO Appeal. The DCPD PM, Eric Oesterle can provide you with the information subject to our communications plan, but OE owns the DPO process. Rene Pedersen would be the right person to discuss the DPO. I do not believe there is a Sharepoint link.

There were a lot of articles. Some making assertions about how the DPO was handled and timing. We have referred some to the OIG. In DCPD space, September 19 is a long time ago. We are responding to about 10 DCPD Congressional/concerned citizen items right now. I will have the PM, Eric Oesterle take a look, but my guess is we are not responding explicitly to the September 19 article.

Mike

-----Original Message-----

From: Scott, Michael  
Sent: Friday, November 07, 2014 5:42 PM  
To: Markley, Michael; Broaddus, Doug  
Subject: FW: New AskManagement Submission

Gentlemen:

Can whichever of you has cognizance of Diablo Canyon please help me out? Can you please ask the PM to send me a link to a Sharepoint site or wherever else that we have compiled information on the Diablo Canyon seismic DPO and the Agency's review and response to it? The below question was submitted

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anonymously by someone on the Region I staff. I would like to answer it with a simple link to wherever the info can be found, if such a link exists.

Thanks in advance for your help.

Michael (Mike) Scott  
Deputy Director  
Division of Reactor Projects  
Region I  
(610) 337-5126

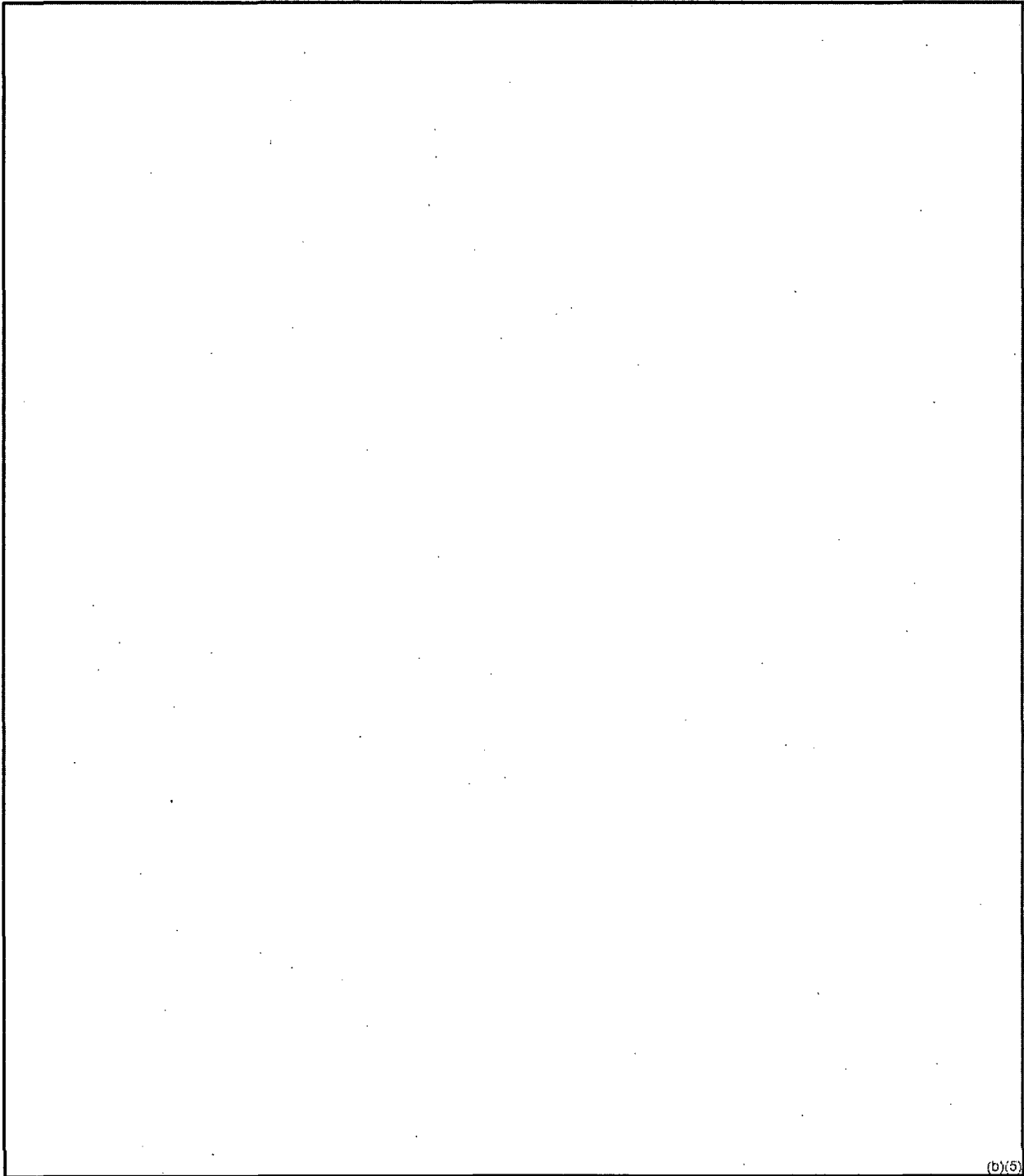
-----Original Message-----

From: r1askmanagement@nrc.gov [mailto:[r1askmanagement@nrc.gov](mailto:r1askmanagement@nrc.gov)]  
Sent: Friday, October 31, 2014 7:29 AM  
To: R1ASKMANAGEMENT RESOURCE  
Subject: New AskManagement Submission

On September 19, The Santa Barbara Independent ran an article, which was also put on the R1 website, about the former Diablo Canyon SRI who had a concern about how Diablo Canyon's new seismic information was handled and did not feel that is DPO about this concern was adequately addressed. Does the NRC plan to do anything additional to address his concern in light of the recent article? If so, please inform us of the resolution to this when it is concluded.

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**Communications Plan -**  
**Diablo Canyon Power Plant Topics of Interest**  
**Differing Professional Opinion and Appeal**

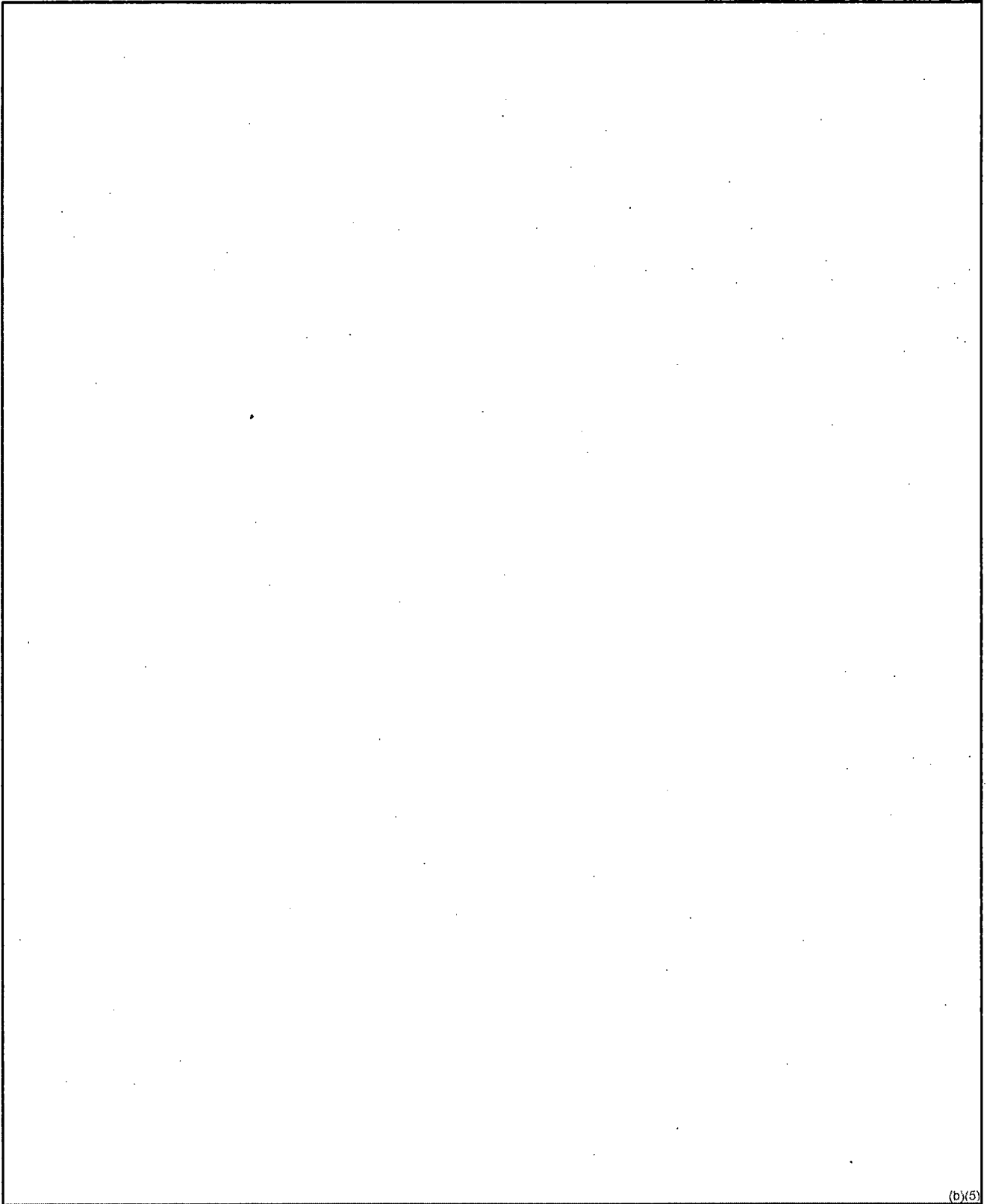


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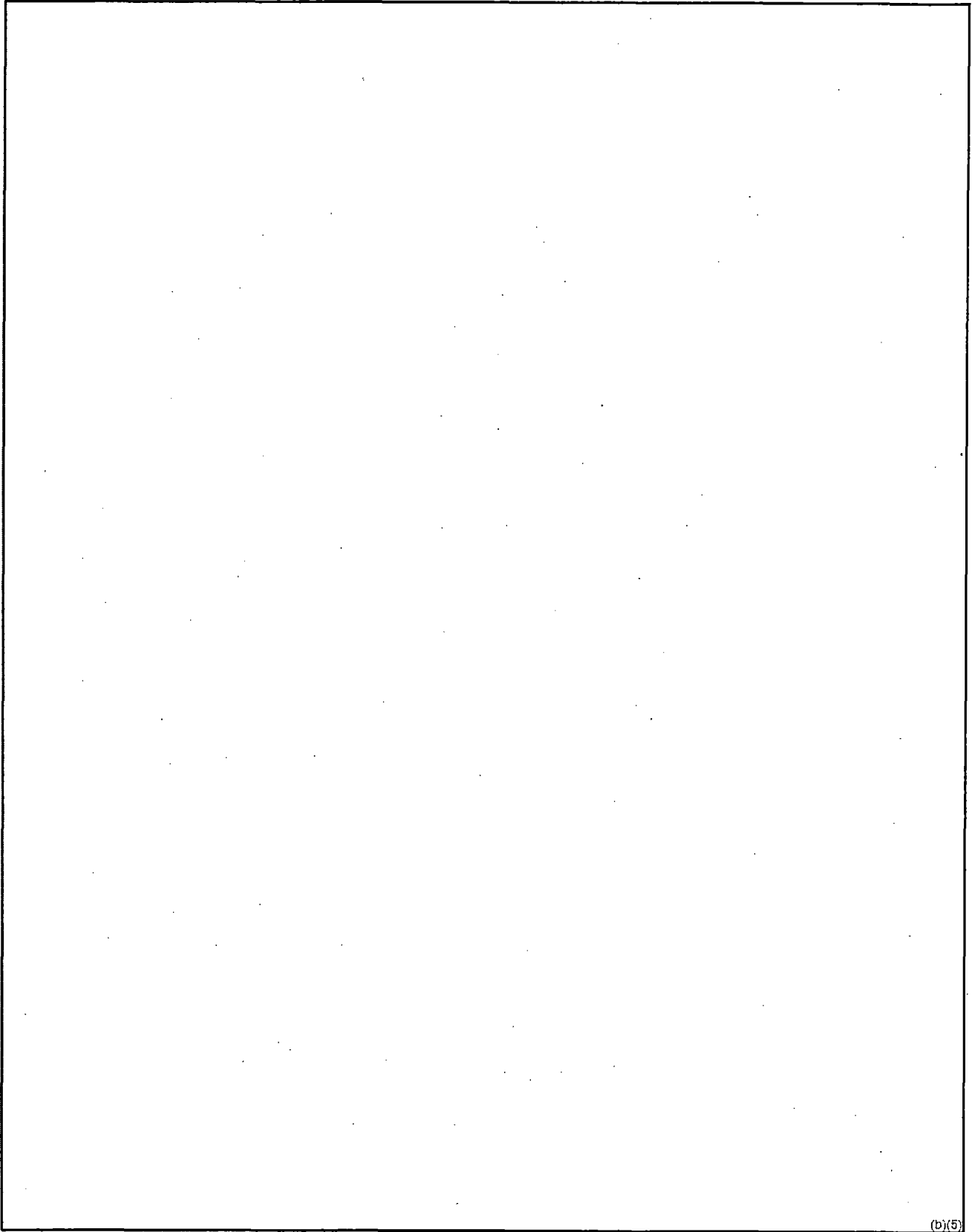
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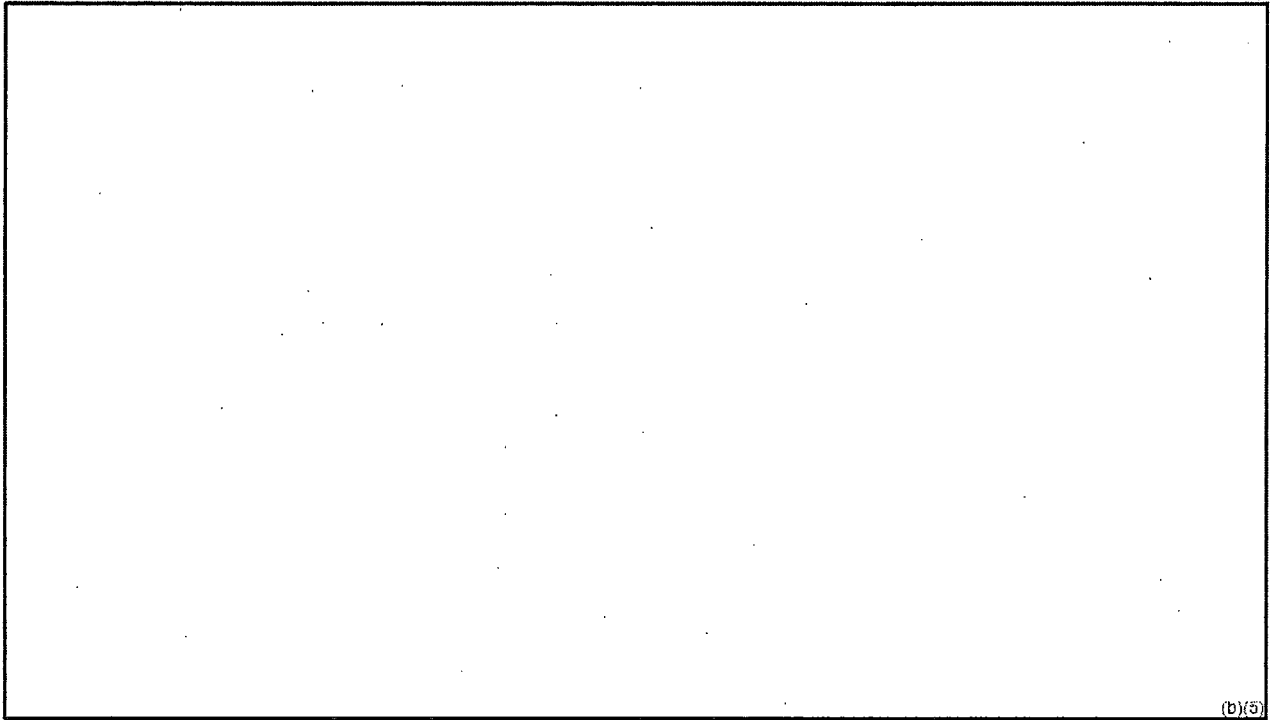
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**From:** Oesterle, Eric  
**To:** Sebrosky, Joseph; Markley, Michael; Lupold, Timothy; Wilson, George  
**Cc:** Karas, Rebecca  
**Subject:** Final Briefing Slides  
**Date:** Tuesday, October 21, 2014 10:04:17 AM  
**Attachments:** Final Diablo Canyon Seismic Status Briefing 21Oct2014.pptx  
image001.png

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Attached are the finalized briefing slides for the 11AM briefing. Thanks everyone for your inputs!

*Eric R. Oesterle*  
NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014







United States Nuclear Regulatory Commission

*Protecting People and the Environment*

# **Assessment of PG&E Operability Determination for New Seismic Information**

**NRR, NRO and Region IV Status Briefing  
October 21, 2014**

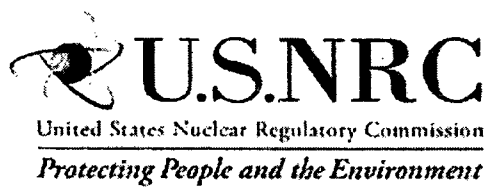
Contacts: J. Sebrosky (NRR/JLD), T. Lupold (NRR/DE), R. Alexander (RIV), W. Walker (RIV),  
M. Markley (NRR/DORL), and E. Oesterle (NRR/DORL)

# Briefing Agenda

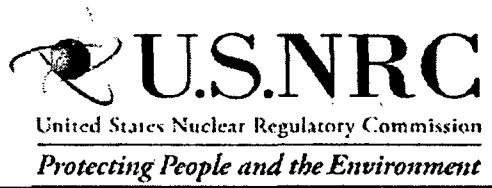
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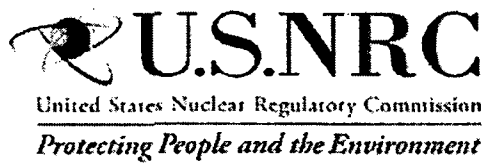
- Decisional Environment



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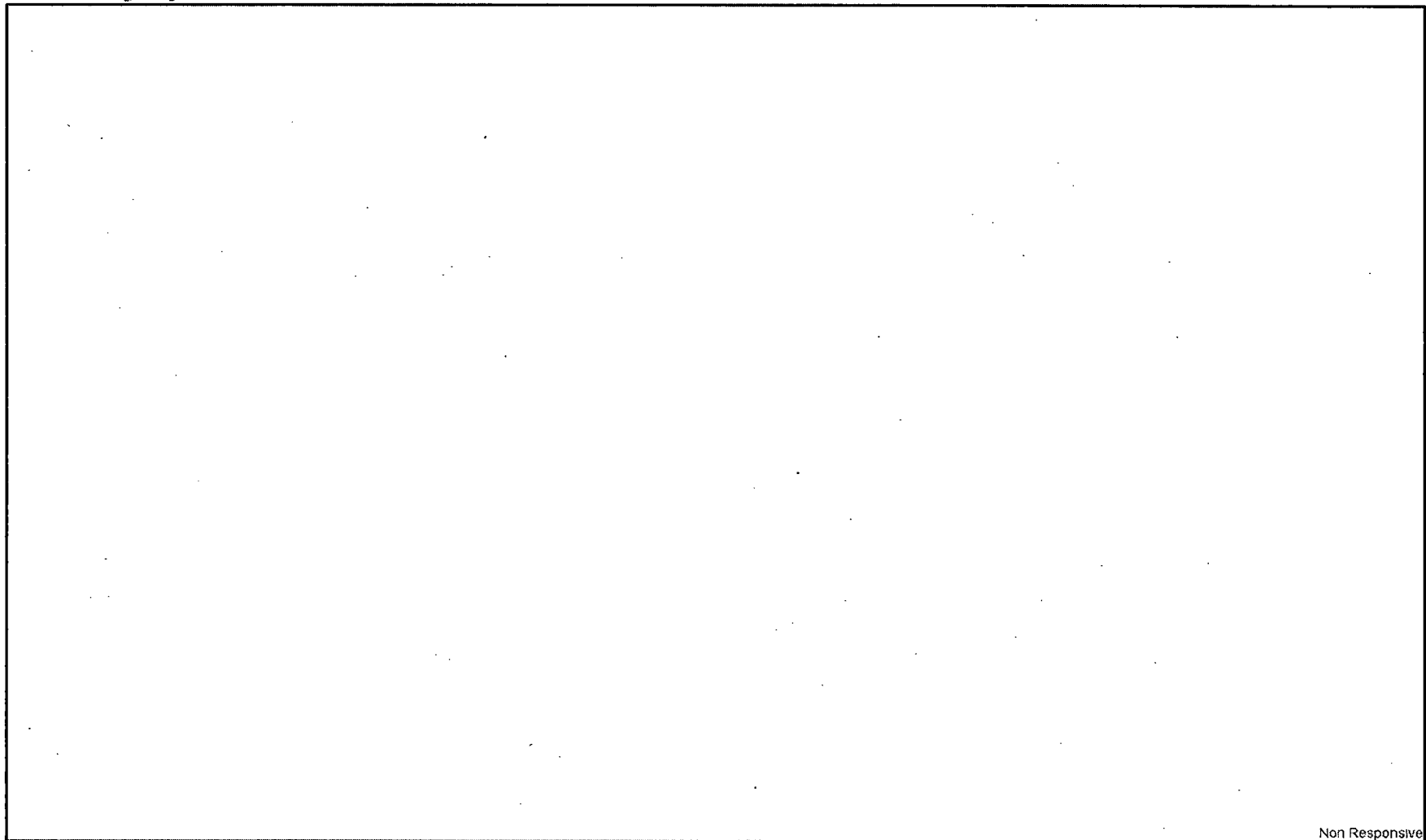
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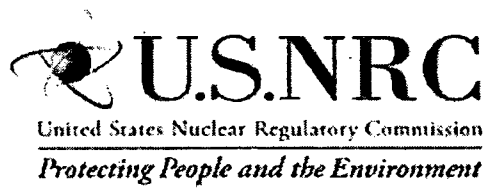


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## Decisional Environment

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- FOIA – timing of PG&E issuance of seismic report and NRC EDO decision on DPO appeal

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- Leak of DPO and publication in Press

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Non Responsive

- December 2014 Hearings – Senate & House



**From:** Sebrosky, Joseph  
**To:** Wilson, George; Markley, Michael; Oesterle, Eric  
**Subject:** FW: info: rough draft of DCPD seismic evaluation  
**Date:** Tuesday, October 21, 2014 5:50:12 AM  
**Attachments:** [Diablo Canyon operability evaluation 2014 seismic information technical evaluation.docx](#)  
[image001.png](#)

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George, Mike and Eric

The purpose of this email is to ask for help from people who understand seismic margins better than me on whether or not the attached technical evaluation should include references to how SSER 34 confirmatory items were resolved, and the HCLPF values found in PG&E's IPEEE submittal. The references are provided below. Any insights on whether or not this information should also be included would be appreciated – thanks joe

4/17/92 letter

ML14279A132 is publicly available.

[View ADAMS P8 Properties ML14279A132](#)

[Open ADAMS P8 Document \(Forwards Safety Evaluation Closing Out Plant Long-Term Seismic Program. Staff Finds That Confirmatory Item From SSER 34 Has Been Satisfactorily Resolved.\)](#)

I am also not sure if the IPEEE HCLPF values should be included in the discussion. The IPEEE can be found at:

[View ADAMS P8 Properties ML073600371](#)

[Open ADAMS P8 Document \(Diablo Canyon Units 1 & 2. Response to Generic Letter 88-20. Supplement 4. "Individual Plant Examination of External Events for Severe Accident Vulnerabilities."\)](#)

The IPEEE contains HCLPF values for Component and Structures. Below is an example table from the IPEEE

C/29

Table 3-8. DCCP Component and Structure Fragility and HCLPF Values

RISKMAN ID	Description	Median Accel.(g)	HCLPF	Beta R	Beta U	Failure Mode and Source of Fragility Value
ZC0LOG	CONTAINMENT BUILDING	9.02	3.68	0.28	0.30	Concrete shell cracking, liner break.
ZB15TA	CONCRETE INTERNAL BIOSTRUCTURE	6.91	2.90	0.20	0.31	Shield wall shear cracks, attached components fail to function, reactor vessel failure and reactor trip failure.
ZN5TR	INTAKE STRUCTURE	9.55	3.23	0.29	0.31	Shear wall fails, intake pumps fail to function.
ZABLDG	AUXILIARY BUILDING	5.78	2.67	0.21	0.28	North-South shear wall fails, attached components fail to function.
ITB5HR	TURBINE BUILDING SHEAR WALL	4.97	1.84	0.26	0.33	Shear wall at column 31 fails, 44V switchgear fails to function, bracing strut fails, electrical panels fail to function.
ZRWSTK	REFUELING WATER STORAGE TANK	9.54	3.37	0.29	0.34	Failure of tank integrity, loss of contents.
ZASRP	AUXILIARY SALTWATER PIPING	9.23	4.54	0.22	0.21	Pipe rupture, loss of contents.
ZRUPRV	REACTOR PRESSURE VESSEL	9.71	3.36	0.25	0.33	Line break, loss of coolant, excessive LOCA.
ZRUINT	REACTOR INTERNALS	11.42	4.04	0.60	0.23	Failure of reactor trip and of core cooling geometry.
ZSTMGN	STEAM GENERATOR	7.20	2.63	0.31	0.30	Main steam and other line breaks, excessive LOCA.
ZPORVL	POWER OPERATED RELIEF VALVES	7.82	2.32	0.30	0.42	Fails as is binding.
ZRCNP	REACTOR COOLANT PUMPS	6.82	2.83	0.37	0.32	Excessive seal leak, small LOCA.
ZBRPP	RHR PUMPS	9.31	3.35	0.33	0.22	Failure to function, line break.
ZBRHX	RHR HEAT EXCHANGERS	9.09	3.49	0.24	0.27	Intake and discharge line ruptures.
ZCCWPP	CCW PUMPS	9.63	3.74	0.29	0.21	Loss of pump function (not a line break).
ZCCWHX	CCW HEAT EXCHANGERS	6.31	2.55	0.27	0.28	Line break, loss of CCW and auxiliary seawater.
ZCCWTK	CCW SURGE TANK	6.83	2.76	0.33	0.23	Loss of surge tank and possibly surge line low pressure leak.
ZCSNP	CONTAINMENT SPRAY PUMPS	6.00	2.46	0.29	0.26	Line break, loss of contents.
ZSPATK	SPRAY ADDITIVE TANK	6.78	3.07	0.30	0.18	Loss of contents and line pump.
ZSDPMP	APW PUMPS (STEAM DRIVEN)	7.71	3.39	0.29	0.21	Line break, loss of contents.
ZDGPA	DG FUEL OIL PUMPS/FILTERS	9.33	3.66	0.37	0.23	Line break, loss of contents.
ZDSLON	DIESEL GENERATORS	7.78	3.66	0.26	0.20	Failure to function.
ZDGRWP	DG RADIATOR/WATER PUMPS	8.78	3.68	0.29	0.24	Line break, loss of cooling, failing diesel.
ZDGXC	DG EXCITATION CUSICAL	7.4	2.67	0.29	0.36	Failure to function.
ZDGCN	DG CONTROL PANEL	4.66	2.24	0.30	0.13	Failure to function.

**From:** Sebrosky, Joseph  
**Sent:** Monday, October 20, 2014 8:55 PM  
**To:** Oesterle, Eric; Wilson, George; Markley, Michael  
**Subject:** info: rough draft of DCPD seismic evaluation

George, Mike, and Eric,

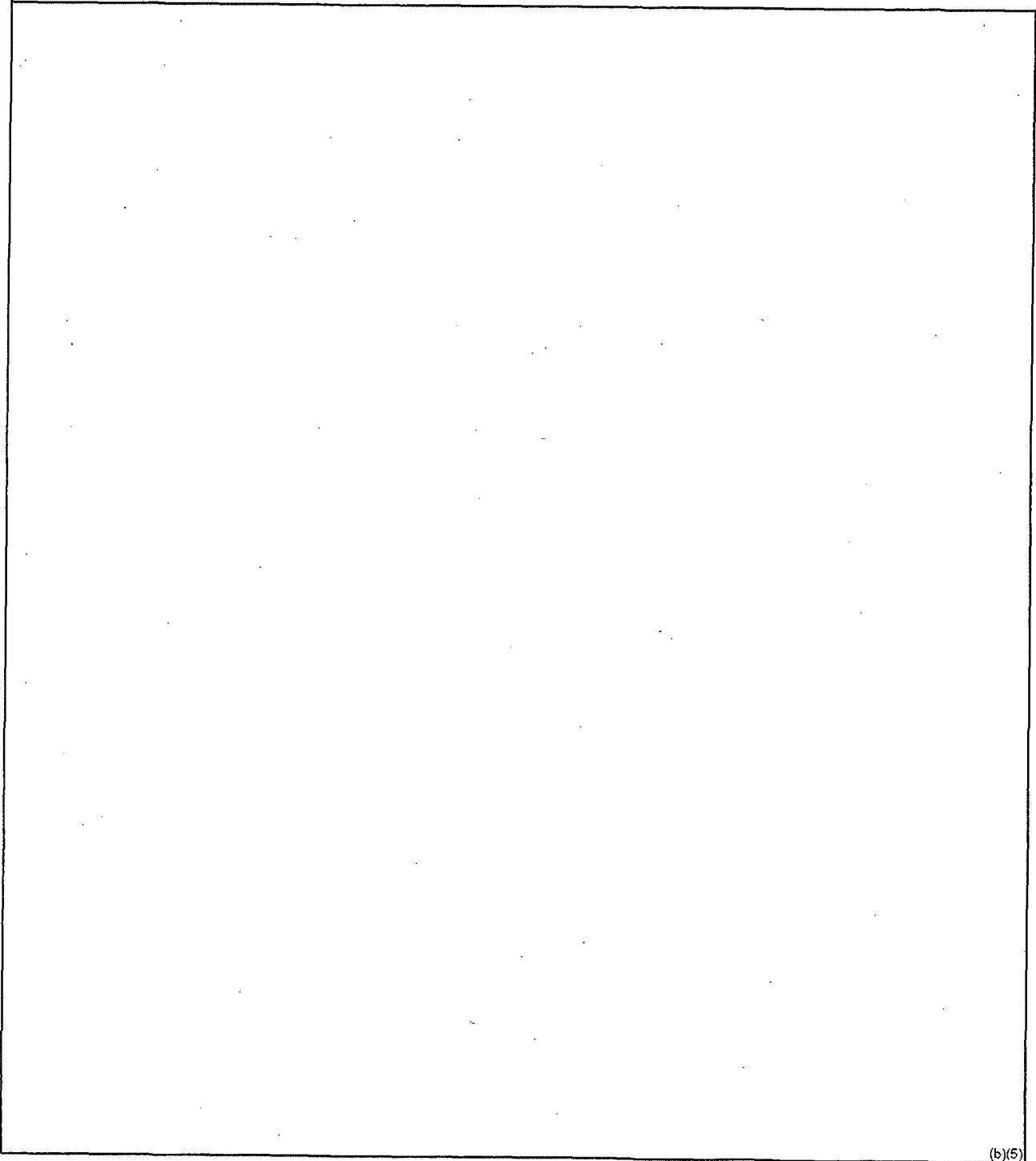
Attached is a very rough draft of the Technical Evaluation of the 2014 California Coastal Commission Seismic Imaging Project for DCPD Units 1 and 2. It is a very rough draft which Eric and I intend to develop further in the morning. We hope to have a more refined product to you by 9:00 am.

Please let me know if you have any questions on the approach.

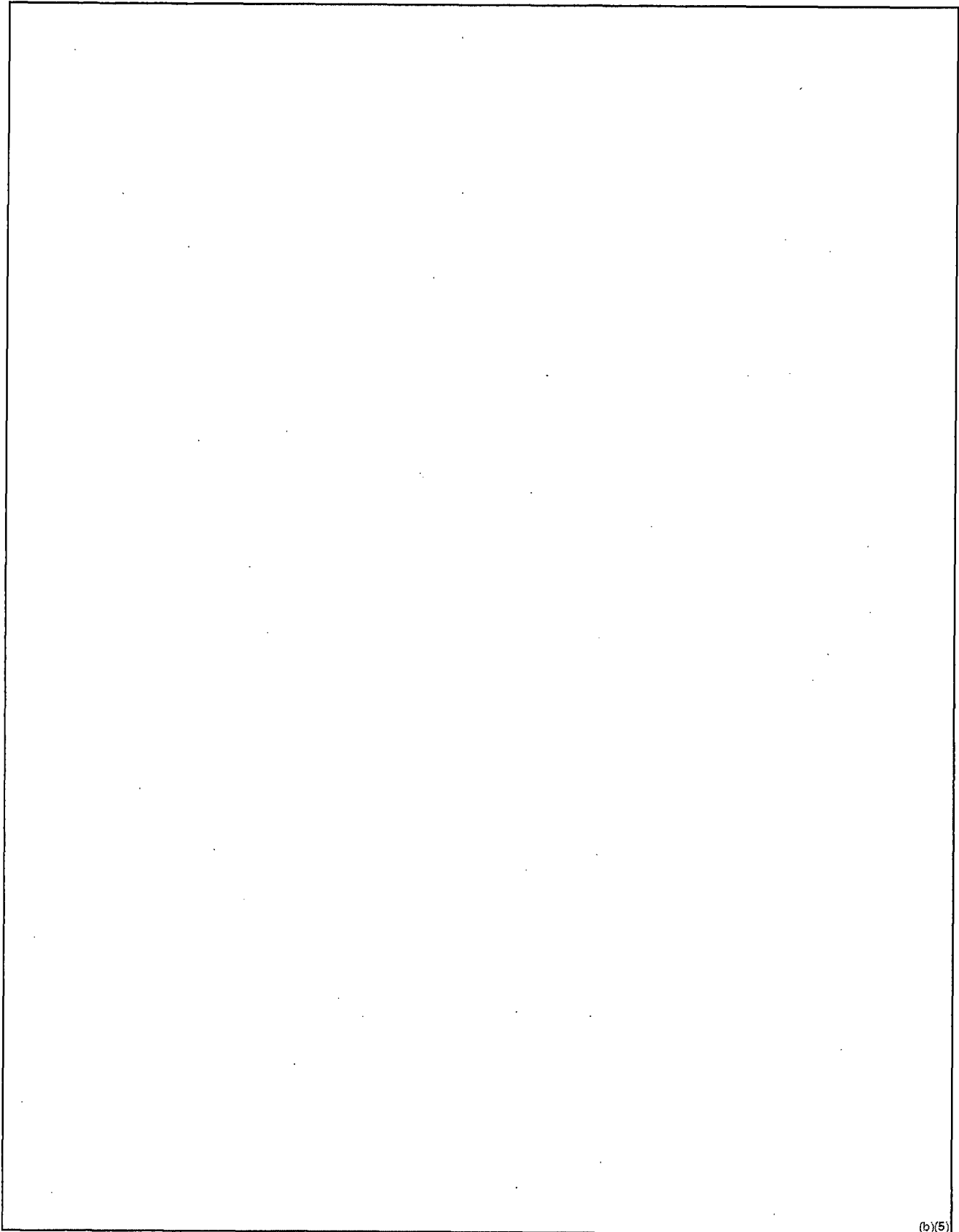
Thanks,

Joe

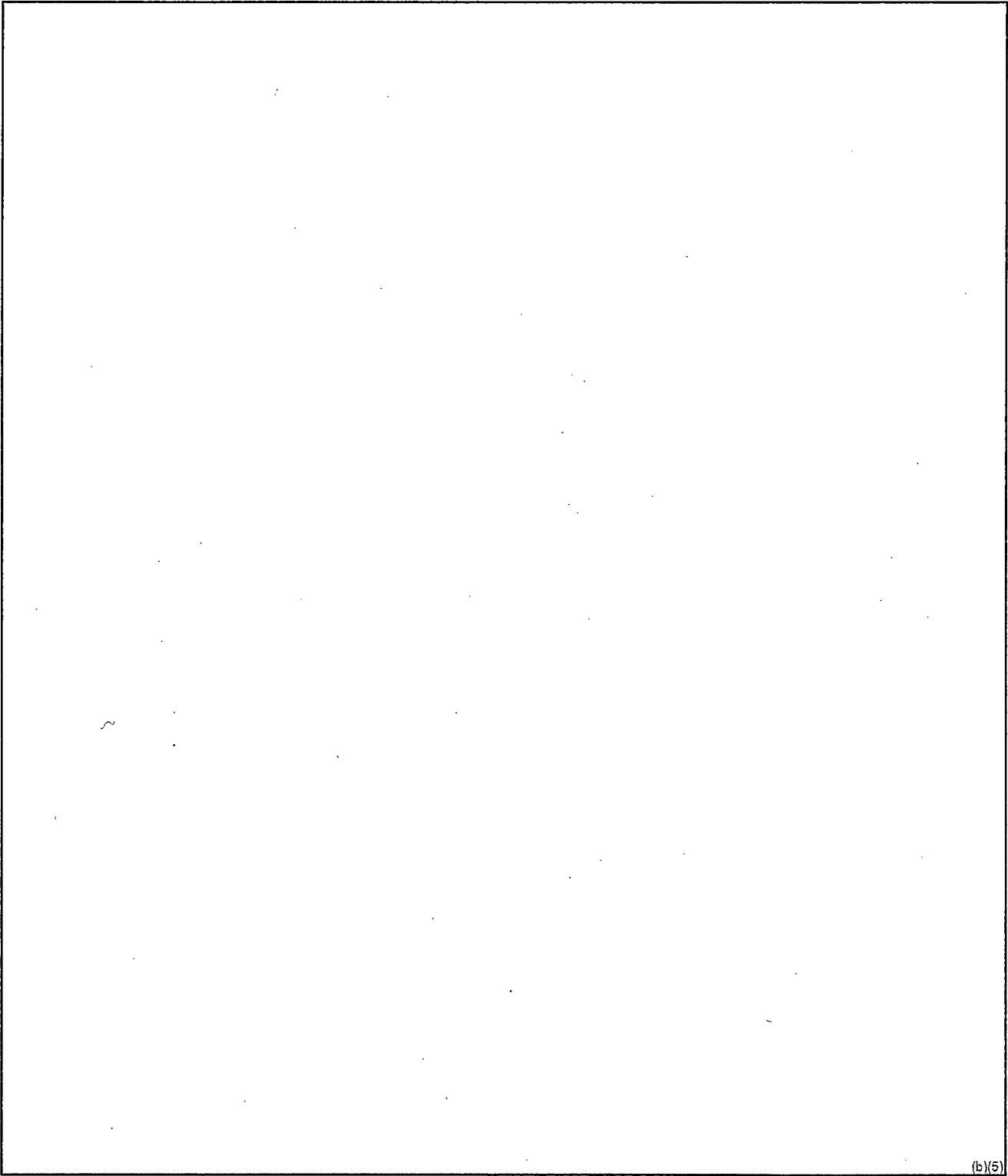
TECHNICAL EVALUATION REPORT BY THE OFFICES OF NEW REACTORS,  
RESEARCH, AND NUCLEAR REACTOR REGULATION  
*CENTRAL COASTAL CALIFORNIA SEISMIC IMAGING PROJECT*  
PACIFIC GAS AND ELECTRIC COMPANY  
DIABLO CANYON POWER PLANT, UNITS 1 AND 2  
October 20, 2014, 6:00 pm version



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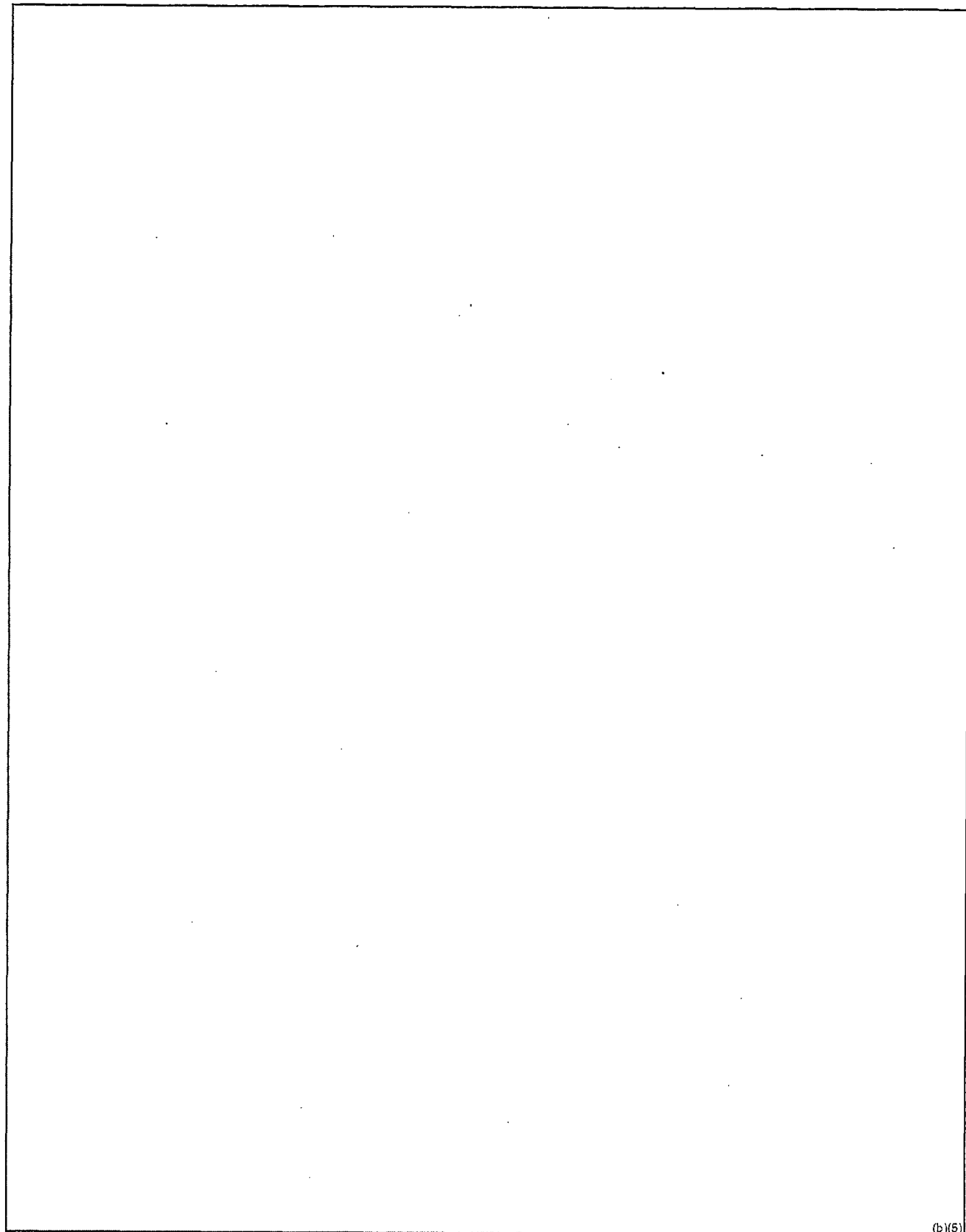


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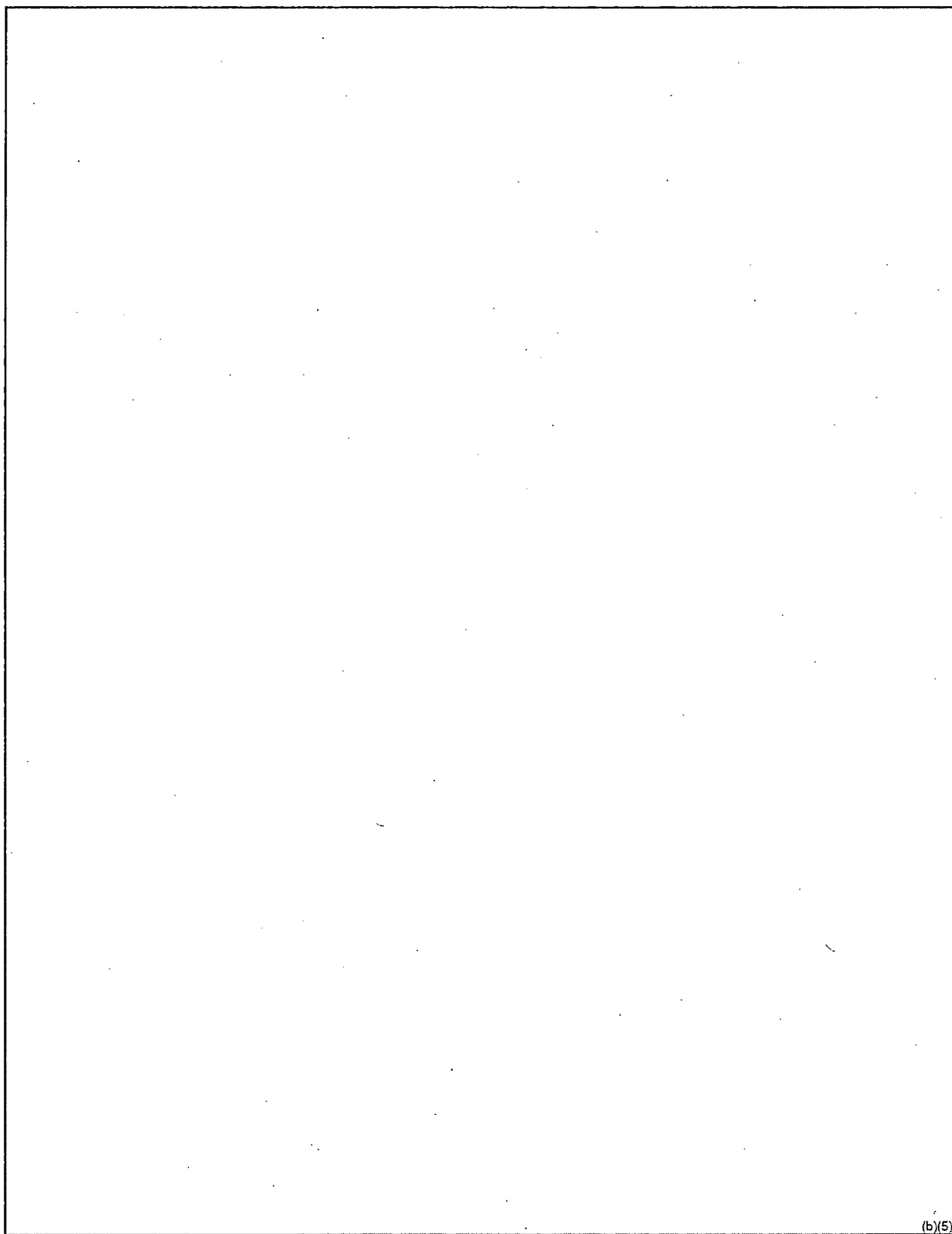
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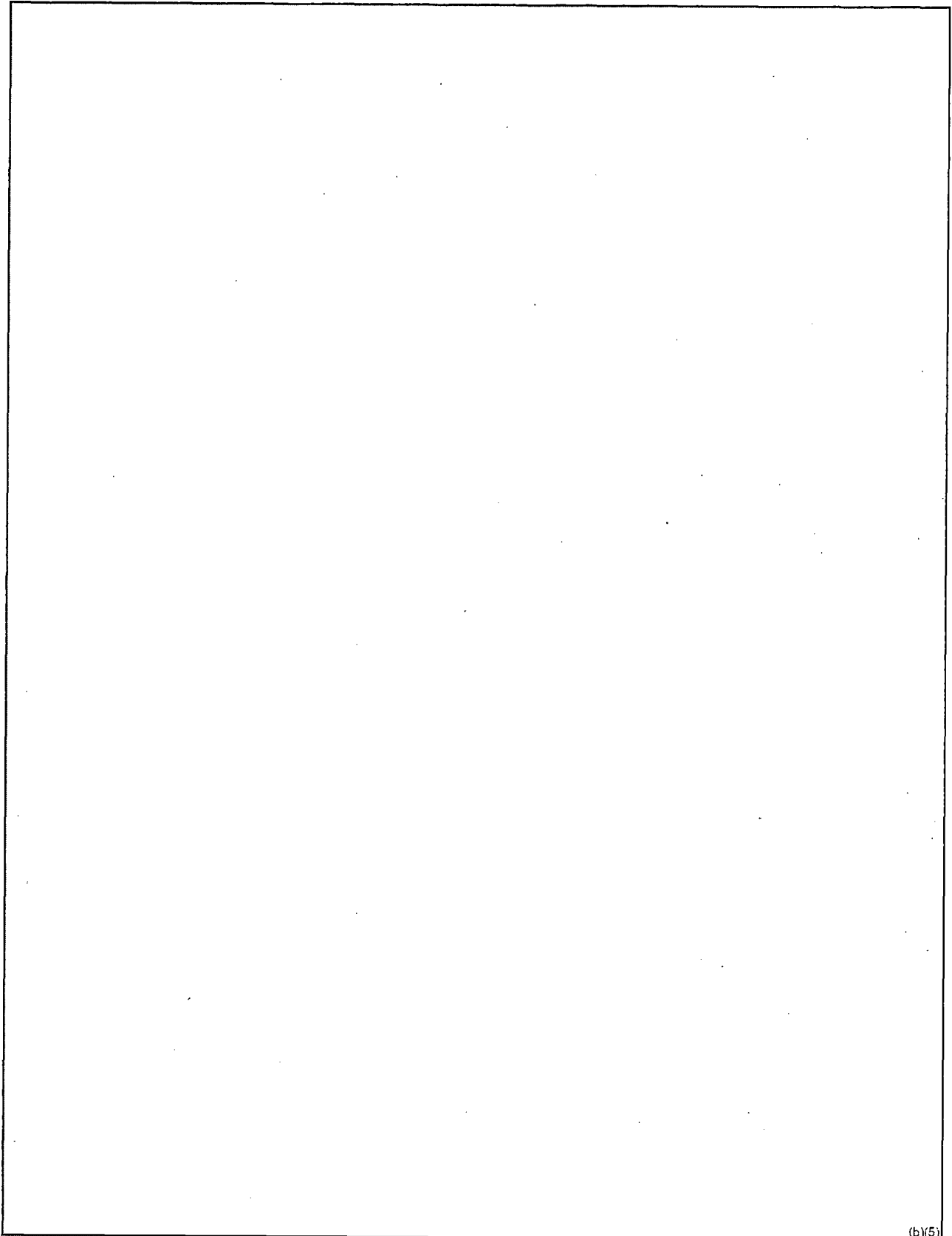


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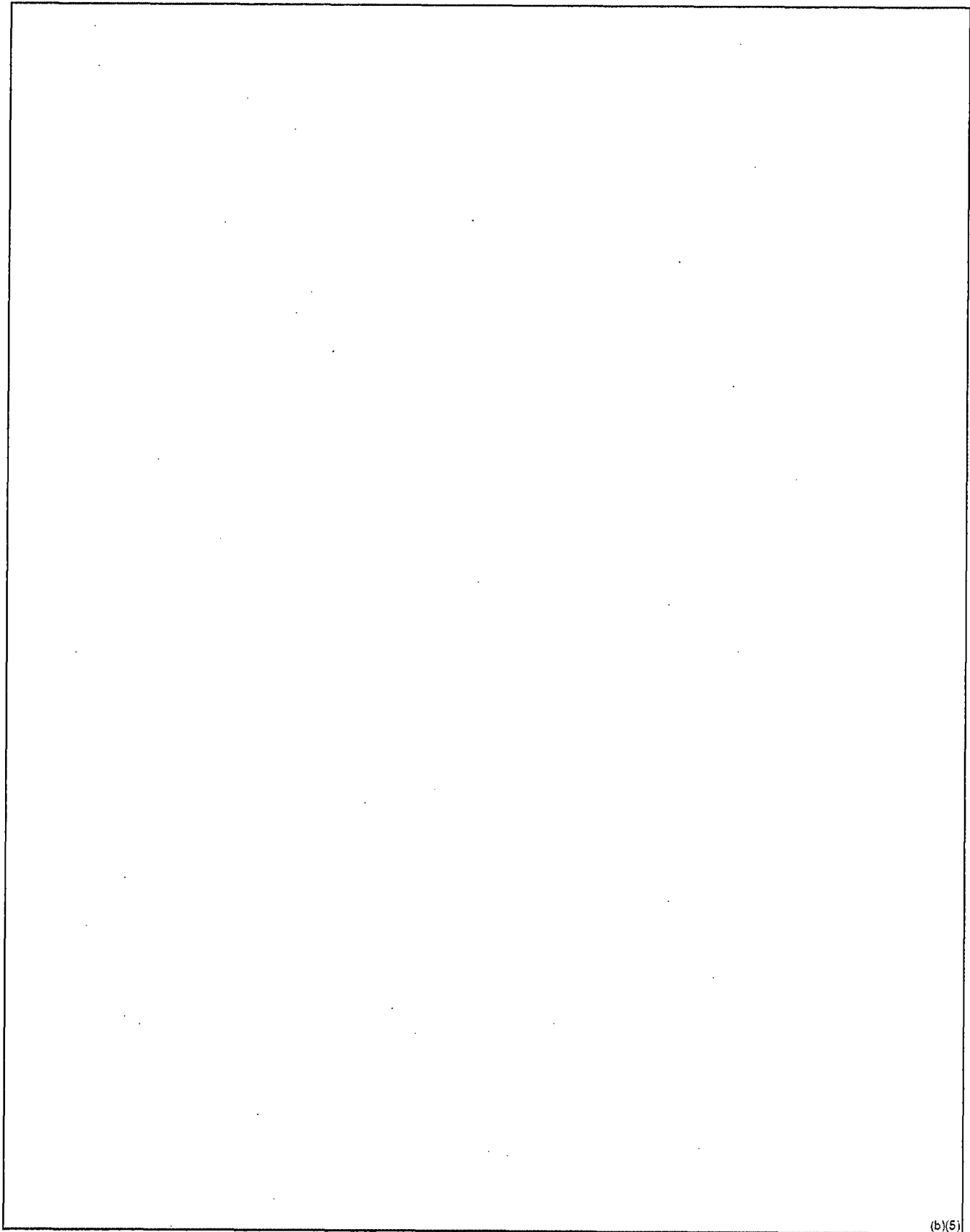




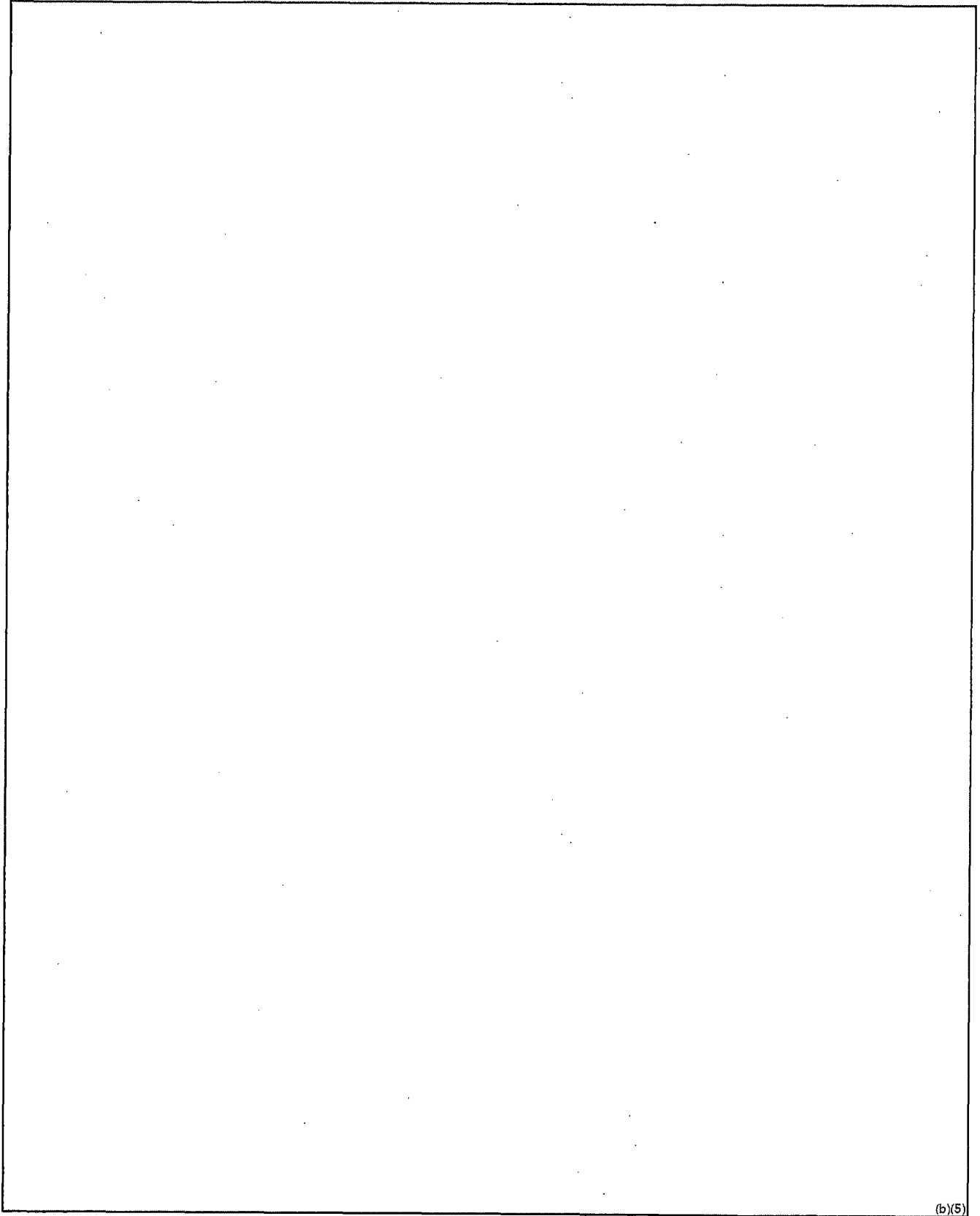
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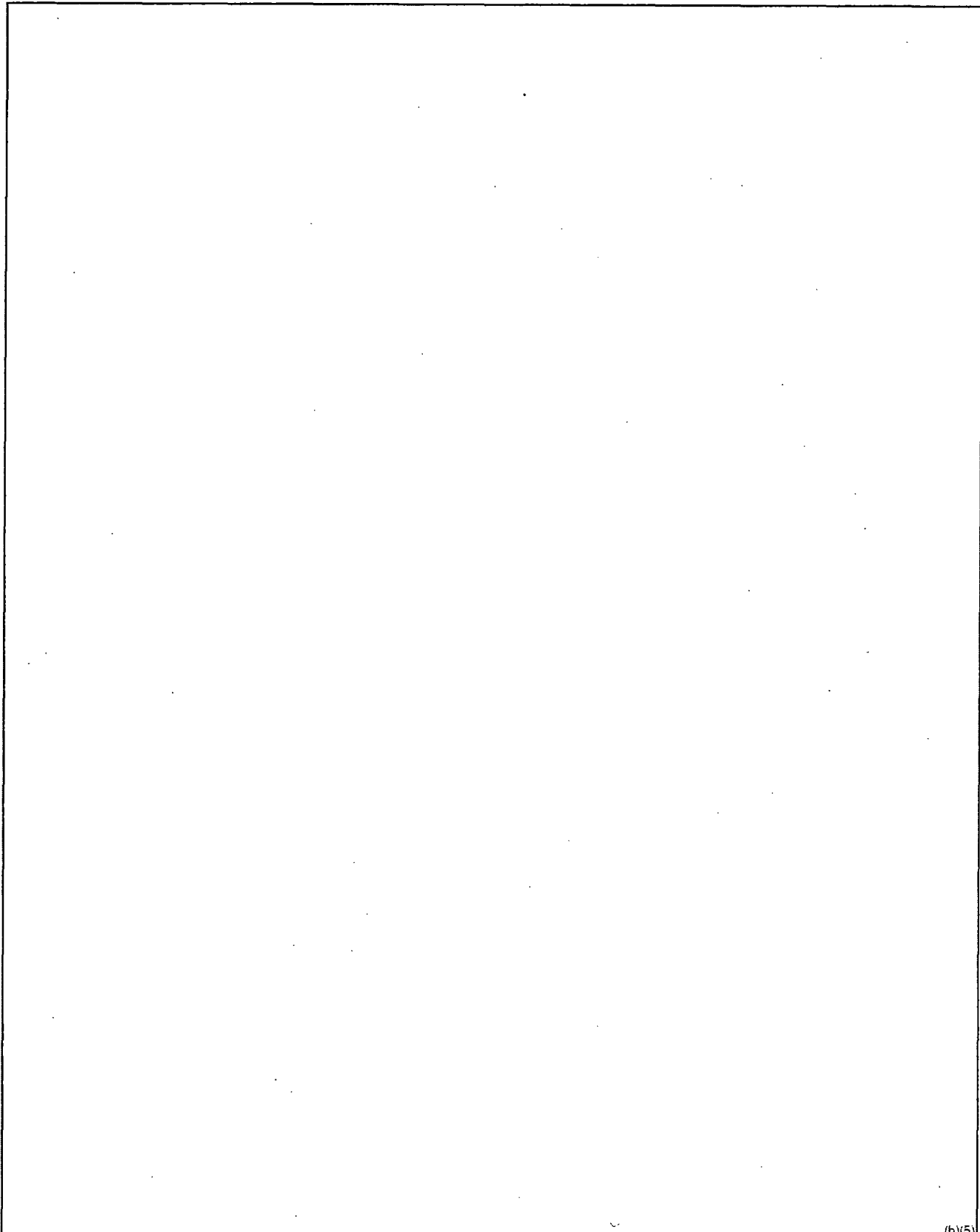
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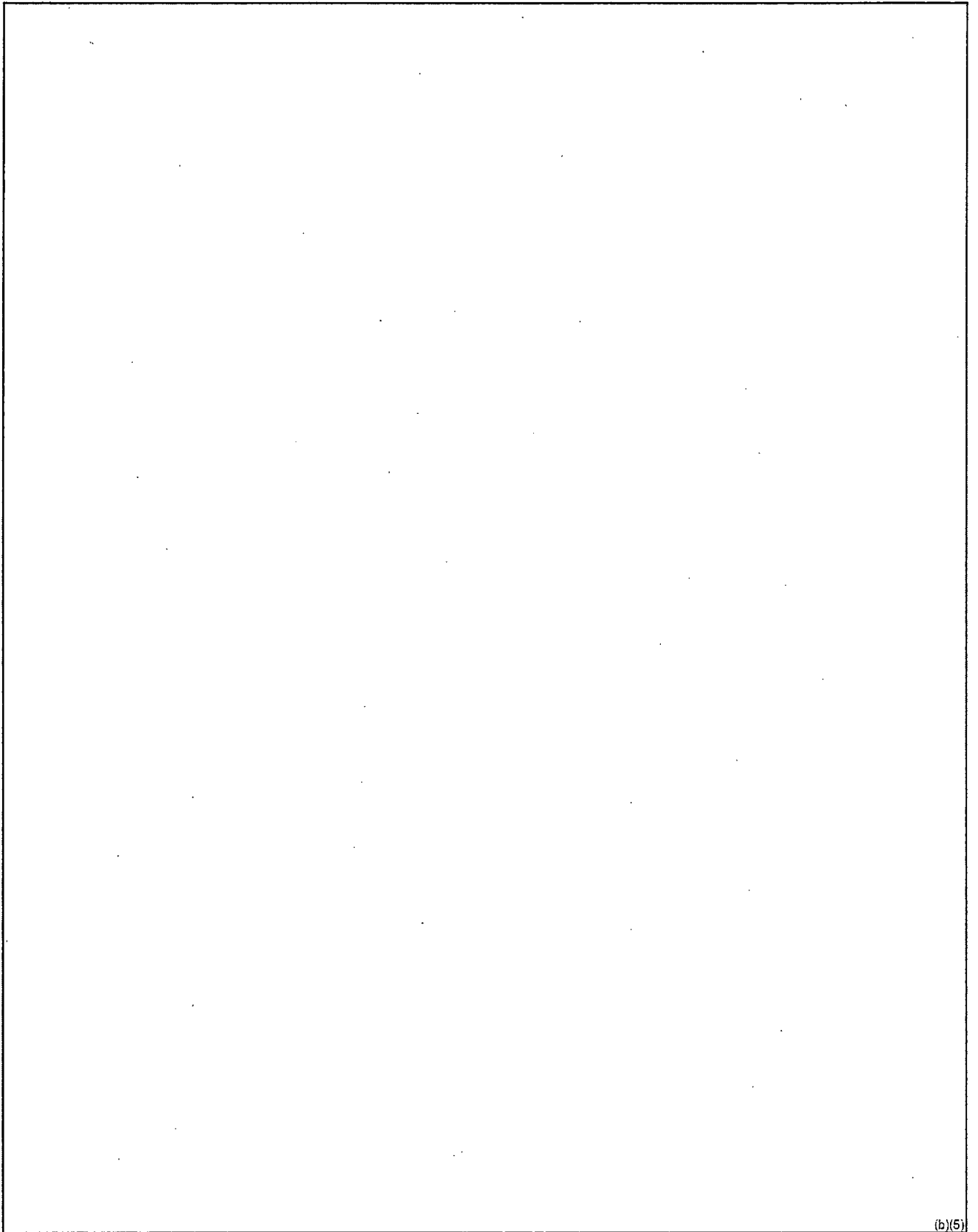
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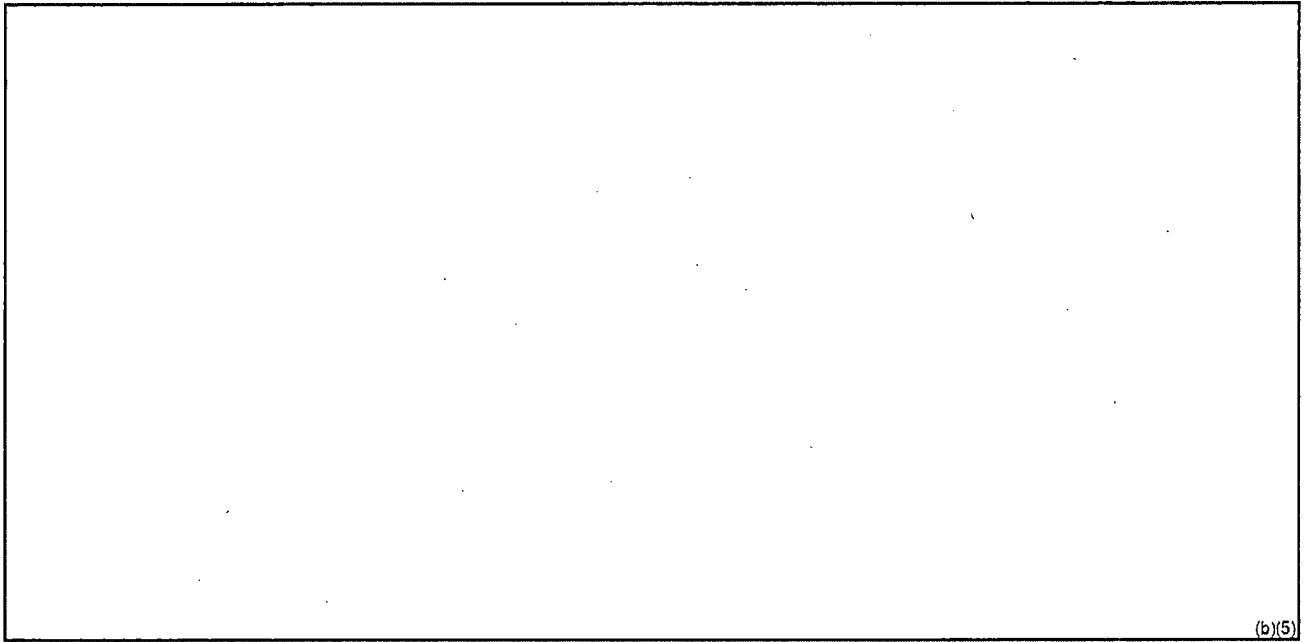
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Table 6-23

## DIABLO CANYON STRUCTURE FRAGILITIES

(Based on hazard defined over 3 to 8.5 hertz range.)

Structure	Fundamental Frequency Hertz	Failure Mode	Spectral Acceleration Capacity			
			$\frac{V}{S_B}$ (g)	$\beta_R$	$\beta_U$	HCLPF (g)
Containment Building	4.1	Exterior Shell Shear	8.42	0.26	0.30	3.34
Concrete Internal Structure	8.9	Internal Structure Shear	6.91	0.20	0.31	2.98
Intake Structure	23.3	North Wall Shear	8.55	0.28	0.31	3.23
Auxiliary Building	8.2	North/South Shearwalls	5.79	0.21	0.26	2.66
Turbine Building	8.6	Shear Wall, Column 31	4.87	0.26	0.33	1.84
	9.0	Block Wall	>10.0	—	—	—
Refueling Water Storage Tank	7.6	Concrete/Bedrock Flexure	9.92	0.29	0.36	3.40
Condensate Storage Tank	—	Comparison to RWST	>10.0	—	—	—
DG Fuel-Oil Storage Tank	Buried	Rupture	>10.0	—	—	—
Auxiliary Saltwater Piping	Buried	Rupture	9.23	0.18	0.21	4.85



Table 6-24  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
(Based on hazard defined over 3 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{V}{S_a}(g)$	$\beta_R$	$\beta_U$	HCLFF (g)
NUCLEAR STEAM SUPPLY									
Reactor Pressure Vessel	Containment - (107")	12-14 Hz (H)	Dynamic Analysis	Support Pin Shear	W Summary Data	8.71	0.25	0.33	1.14
Reactor Internals	Containment - (107")	16-20 Hz (V)	Dynamic Analysis	Lower Core Plate	W Summary Data	10.54	0.40	0.26	1.55
Steam Generators	Containment - (140")	9 Hz (H)	Dynamic Analysis	Upper Lateral Support	W Summary Data	6.96	0.31	0.29	2.11
Pressurizer	Containment - (140")	15 Hz (H)	Dynamic Analysis	Seismic Support Leg	W Summary Data	11.46	0.31	0.44	3.31
Pressurizer Safety Valves	Containment - (169")	Flexible Piping	Static Analysis/Test	Generic Function	M397, M401	>10.0	-	-	-
Power Operated Relief Valves	Containment - (169")	Flexible Piping	Static Analysis/Test	Generic Function	M397, M401	7.62	0.30	0.42	2.32
Reactor Coolant Pumps	Containment - (114")	7 Hz (H)	Dynamic Analysis	Lower Motor Stand	M353, M428, M429	8.82	0.37	0.32	2.83
Control Rod Drives	Containment - (140")	7-10 Hz (H)	Dynamic Analysis	Head Adapter Yield	W Summary Data	11.71	0.41	0.34	3.40
NSSS Piping	Containment - (140")	7-9 Hz (H&V)	Dynamic Analysis	Rupture	W Summary Data	>10.0	-	-	-
RESIDUAL HEAT REMOVAL									
RHR Pumps	Auxiliary (58")	Flexible Piping	Dynamic Analysis	Pump Hold Down Bolts	W Summary Data	8.31	0.33	0.22	1.35
RHR Heat Exchangers	Auxiliary (100")	12 Hz (H)	Static Analysis	Anchor Bolts & Upper Lateral Support	W Summary Data, M462, M474	8.09	0.24	0.27	3.48
SAFETY INJECTION									
SI Accumulators	Containment (91")	23-34 Hz (H)	Static Analysis	Anchor Studs	W Summary Data, M316	10.01	0.29	0.19	4.53
SI Pumps	Auxiliary (85")	>33 Hz (H)	Static Analysis	Pump Hold Down Bolts	W Summary Data	10.94	0.34	0.18	4.64
Boron Injection Tank	Auxiliary (73")	15-17 Hz (H)	Static Analysis	Anchor Bolts	W Summary Data	8.46	0.27	0.19	3.96
COMPONENT COOLING WATER									
CCW Pumps	Auxiliary (73")	Flexible Piping	Static Analysis	Pump Hold Down Bolts	M006, M007, M318	8.53	0.29	0.21	3.74
CCW Heat Exchangers	Turbine (85")	13 Hz (H)	Dynamic Analysis	Longitudinal Strut Bolts	M008, M336, M475	6.31	0.27	0.28	2.55
CCW Surge Tank	Auxiliary (163")	32 Hz (H)	Static Analysis	Seismic Lateral Brace	M319	7.22	0.33	0.23	2.91
CHEMICAL AND VOLUME CONTROL									
Charging Pumps (centrifugal)	Auxiliary (73")	>33 Hz (H)	Static Analysis	Motor Hold Down Bolts	W Summary Data	10.16	0.31	0.19	4.45
Charging Pumps (reciprocal)	Auxiliary (73")	>33 Hz (H)	Static Analysis	Pump Hold Down Bolts	W Summary Data	>10.0	-	-	-
AUXILIARY SALTWATER									
Auxiliary Saltwater Pumps	Intake (2'-2")	43 Hz (H)	Static Analysis	Pump Mounting Bolts	M009	>10.0	-	-	-
CONTAINMENT SPRAY									
CS Pumps	Auxiliary (73")	>33 Hz (H)	Static Analysis	Foundation Bolts	W Summary Data	8.63	0.29	0.20	3.85
Spray Additive Tank	Auxiliary (73")	24 Hz (H)	Static Analysis	Support Pad/Shell	W Summary Data	6.78	0.30	0.18	3.07

Table 6-24 (Continued)  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
(Based on hazard defined over 3 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{Y}{S_a}(g)$	$\beta_R$	$\beta_U$	HCLPF (g)
<b>MAIN STEAM</b>									
MS Isolation Valves	Outside Containment (127')	Flexible Piping	Dynamic Analysis/Test	Actuator Support	M067, M463, M469	>10.0	-	-	-
MS Safety Valves	Auxiliary (140')	Flexible Piping	Dynamic Analysis/Test	Generic Function	M397	>10.0	-	-	-
MS PORV'S	Auxiliary (140')	Flexible Piping	Dynamic Analysis/Test	Generic Function	M397	11.51	0.34	0.36	3.51
<b>AUXILIARY FEEDWATER</b>									
APW Pumps (Motor Driven)	Auxiliary (100')	42 Hz (II)	Static Analysis	Pump Hold Down Bolts	M326A	>10.0	-	-	-
APW Pumps (Turbine Driven)	Auxiliary (100')	43 Hz (II)	Static Analysis	Pump Hold Down Bolts	M320, M321	7.71	0.29	0.21	3.38
<b>DIESEL GENERATOR</b>									
D.G. Fuel Oil Day Tank	Turbine (85')	10 Hz (V)	Static Analysis	Bottom Plate Rupture	M323	>10.0	-	-	-
D.G. Fuel Oil Pumps/Filters	Underground Vault (77')	Flexible Piping	Static Analysis	Filter Anchor Bolts	M324, M326	8.33	0.27	0.23	3.63
D.G. Fuel Oil Shutoff Valve	Underground Vault (77')	Flexible Piping	None	Flexible Link	Data Base	>10.0	-	-	-
D.G. Air Start Compressor	Turbine (85')	>33 Hz (II)	Generic Anchorage Analysis	Hold Down Bolts	M323	>10.0	-	-	-
D.G. Air Start Receiver	Turbine (85')	26 Hz (II)	Dynamic Analysis	Hold Down Bolts	M329	>10.0	-	-	-
Diesel Generators	Turbine (85')	17 Hz (II)	Dynamic Analysis	Skid Anchor Bolts	M425-M426	7.79	0.26	0.20	3.64
D.G. Radiator/Water Pump	Turbine (85')	17 Hz (II)	Dynamic Analysis	Anchor Bolting	M323	6.78	0.29	0.24	3.66
D.G. Inlet Silencer/Air Filter	Turbine (104')	Flexible Piping	Dynamic Analysis	Filter Support Rod Weld	M271, M449	>10.0	-	-	-
D.G. Excitation Cubical	Turbine (85')	13 Hz (II)	Test	Structural	M346, M364	7.40	0.19	0.15	2.57
D.G. Control Panel	Turbine (85')	8 Hz (II)	Test	Chatter	M347, M364, M464, M482	7.77	0.25	0.14	4.08
D.G. Main Lead Terminal/Box	Turbine (85')	10 Hz (II)	Test Static Analysis	Structural Attachment-Fillet Weld	M348	4.55 >10.0	0.30	0.13	2.24
<b>CONTAINMENT BUILDING VENTILATION</b>									
Containment Fan Cooler	Containment (140')	23 Hz (II)	Dynamic Analysis	Foot Plate/Embed. Weld	M399, M499, M420, M421, M448	8.10	0.31	0.33	2.82
<b>CONTROL ROOM VENTILATION</b>									
Supply Fans	Auxiliary (154'-6")	>33 Hz (II)	Static Analysis	Support Bolting	M056	9.79	0.33	0.24	3.82
AC Units/Compressors	Auxiliary (154'-6")	>33 Hz (II)	Static Analysis	Anchor Bolt	M288, M312	>10.0	-	-	-
Control Cabinets	Auxiliary (157')	21 Hz (II)	Test	Structural	M455	>10.0	-	-	-
<b>480V SWITCHGEAR/INVERTER/DC SWITCHGEAR/SPREADING ROOM VENTILATION</b>									
Supply/Return Fans	Auxiliary (163')	>33 Hz (II)	Static Analysis	Expansion Anchor	M310	11.16	0.33	0.30	3.95
Backdraft and Shut-Off Dampers	Auxiliary (163')	>33 Hz (II)	Static Analysis	Structural	M388	>10.0	-	-	-

Table 6-24 (Continued)  
DIABLO CANYON EQUIPMENT FRAGILITIES  
(Based on hazard defined over 3 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{Y}{S_a}(g)$	$\beta_R$	$\beta_U$	HCLPF (g)
<b>4160V (VITAL) ELECTRIC POWER</b>									
Switchgear	Turbine (119')	7 Hz (H)	Test Static Analysis	Chatter Guide Rod Bending	M049, M315, M356, M373, M377-380, M482	3.53 7.44	0.35 0.31	0.25 0.25	1.31 2.95
Potential Transformer (Bus F)	Turbine (119')	21 Hz (H)	Static Analysis	Support Leg/Embed. Weld	M049, M375, M416, M450	10.63	0.31	0.38	3.47
(Bus G & H)	Turbine (119')	35 Hz (H)	Static Analysis	Support Leg/Embed. Weld	M049, M375, M416, M450	>10.0	-	-	-
Safeguard Relay Panel	Turbine (119')	11 Hz (H)	Static Analysis	Anchor Welds	M012, M373, M414, M430	10.76	0.34	0.36	3.39
<b>125V DC ELECTRIC POWER</b>									
Batteries	Auxiliary (115')	>33 Hz (H)	Test	Structural	M050, M054, M364	6.04	0.30	0.18	2.74
Battery Racks	Auxiliary (115')	>33 Hz (H)	Static Analysis	Longitudinal End Restraint	M013, M032, M050, M207	11.91	0.26	0.22	5.40
Battery Chargers	Auxiliary (115')	12 Hz (H)	Test	Structural	M034, M364, M453, M462	9.93	0.34	0.40	2.93
Switchgear/Breaker Panels	Auxiliary (115')	7 Hz (H)	Test	Structural	M014, M051, M364	6.67	0.35	0.28	2.36
<b>120V AC ELECTRIC POWER</b>									
Instrument Breaker Panels	Auxiliary (115')	>20 Hz (H)	Static Analysis	Slip-Nut Failure	M051A	>10.0	-	-	-
Inverters	Auxiliary (115')	5 Hz (H)	Test	Structural	M015, M016, M355, M415, M436, M451, M467	6.82	0.31	0.24	2.75
<b>480V (VITAL) ELECTRIC POWER</b>									
4160V/480V Transformers	Auxiliary (100')	3 Hz (H)	Static Analysis	Structural	M052, Walkdown	5.34	0.28	0.20	2.42
Breaker Cabinets (Load Centers)	Auxiliary (100')	13 Hz (H)	Static Analysis	Anchor Siltch Weld	M017, M364	>10.0	-	-	-
Auxiliary Relay Panel	Auxiliary (100')	29 Hz (H)	Test	Structural	M315, M364	7.25	0.28	0.15	3.57
<b>CONTROL ROOM</b>									
Main Control Boards	Auxiliary (140')	>33 Hz (H)	Test Dynamic Analysis	Switch Function Structural	W Summary Data, M456, M482	>10.0 7.77	- 0.31	- 0.27	- 2.98
Hot Shutdown Panel	Auxiliary (100')	>33 Hz (H)	Test	Switch Function	M317, M383, M342	7.60	0.27	0.25	3.22
Auxiliary Safeguards Cabinet	Auxiliary (128')	9-13 Hz (H)	Static Analysis Test	Structural Structural	M479, M482 M317, M354, M359	7.27 >10.0	0.30 -	0.14 -	3.52 -

**Table 6-24 (Continued)**  
**DIABLO CANYON EQUIPMENT FRAGILITIES**  
 (Based on hazard defined over 1 to 8.5 hertz range.)

System and Component	Location	Fundamental Frequency	Method of Seismic Qualification	Failure Mode	Information Source	Spectral Acceleration Capacity			
						$\frac{V}{S_a}(g)$	$\beta_R$	$\beta_U$	HCLFF (g)
NSSS CONTROL									
Process Control and Protection System	Auxiliary (128')	6-10 Hz (H)	Test	Structural	M317, M355	10.78	0.39	0.28	3.57
Solid State Protection System	Auxiliary (140')	6-11 Hz (H)	Test	Structural	M317, M355	12.63	0.37	0.28	4.32
Reactor Trip Switchgear	Auxiliary (115')	8 Hz (H)	Test	Structural	M317, M354	7.90	0.30	0.26	3.14
Resistance & Temperature Detectors	Auxiliary (140')	Not Given	Test	Structural	M345	>10.0	-	-	-
Pressure & $\Delta P$ Transmitters	Containment (117')	>33 Hz (H)	Test	Structural	M341	8.93	0.27	0.20	4.11
MISCELLANEOUS COMPONENTS									
Auxiliary Relay Rack	Auxiliary (128')	12-20 Hz (H)	Static Analysis	Anchor Bolts	M317, M350, M359	>10.0	-	-	-
Local Starter Boards	Various	18 Hz (H)	Test	Structural	M454	>10.0	-	-	-
Molded Case Circuit Breakers	Auxiliary (115')	>33 Hz (H)	Test	Structural	M476	>10.0	-	-	-
Valve Limit Switches	Auxiliary (Various)	>33 Hz (H&V)	Test	Generic Function	M344	>10.0	-	-	-
Impulse Lines	Containment (Various)	5-20 Hz (H&V)	None	Rupture From Impact	Data Base	7.09	0.28	0.32	2.63
Containment Purge Valves	Containment (132')	>33 Hz (H&V)	Static Analysis	Actuator Attach. Bolts	M432	>10.0	-	-	-
GENERIC COMPONENTS									
Off-Site Power 230KV 500KV	Yard	Flexible	None	Generic Failure	Data Base	1.69	0.24	0.20	0.82
Penetrations/Perforation Boxes	Containment (135')	24 Hz (H)	Test	Generic Structural	M054	0.81	0.24	0.20	0.39
BOF Piping and Supports	Various	Flexible Piping	Dynamic Analysis	Generic Support	M020, M381	7.38	0.31	0.27	2.83
Hand, Relief, Solenoid, & Check Valves	Various	Flexible Piping	Dynamic Analysis	Generic Function	Data Base	11.03	0.40	0.39	3.00
Air and Motor Operated Valves	Various	Flexible Piping	Dynamic Analysis	Generic Function	M067, M401	17.10	0.35	0.60	3.57
Cable Trays and Supports	Various	Flexible Trays	Static Analysis	Generic Support	M209-M213	>10.0	-	-	-
HVAC Ducting and Supports	Various	Flexible Ducting	Static Analysis	Generic Support	M214-M218	9.78	0.35	0.48	2.49

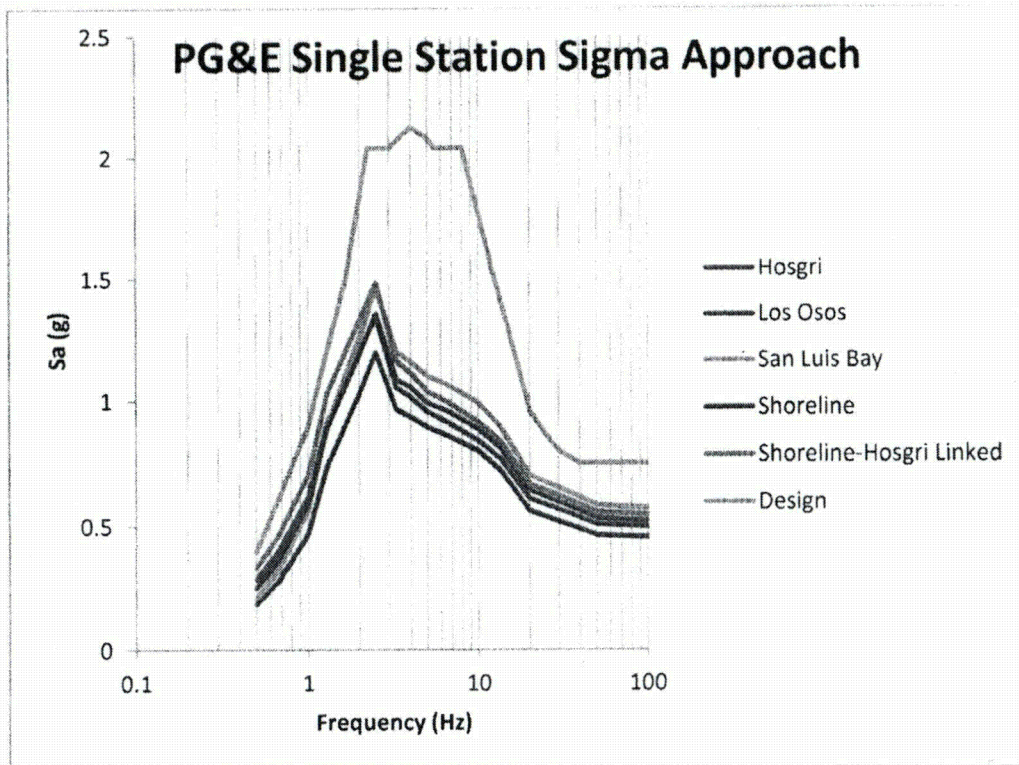


Figure 1 - Deterministic Response Spectrum Single Station Approach

(b)(5)

**From:** Oesterle, Eric  
**To:** Lupold, Timothy; Alexander, Ryan; Karas, Rebecca; Markley, Michael; Walker, Wayne  
**Cc:** Li, Yong; Manoly, Kamal; Wilson, George; Sebrosky, Joseph  
**Subject:** RE: Draft Briefing package for 10/21  
**Date:** Tuesday, October 21, 2014 6:53:07 AM  
**Attachments:** draft Diablo Canyon Seismic Status Briefing 21Oct2014.pptx  
image001.png  
**Importance:** High

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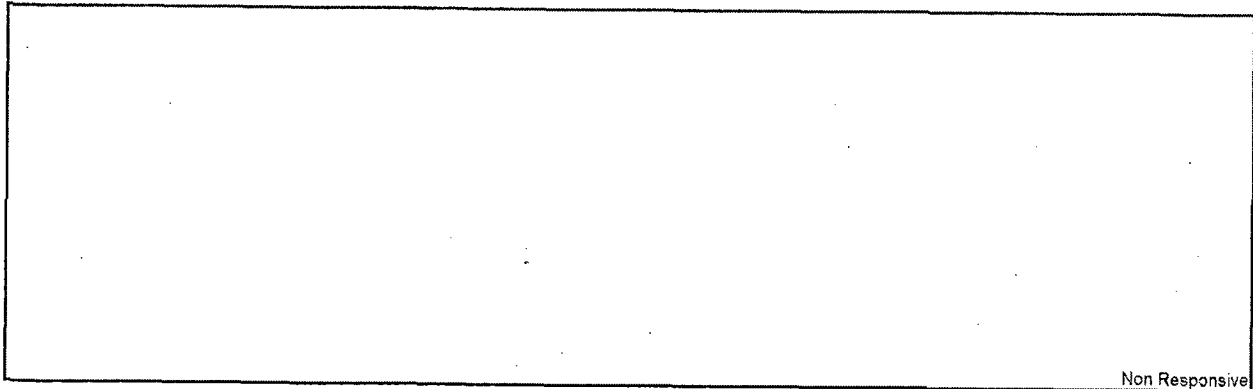
Thanks Tim! I appreciate your input on the briefing slides. This new approach has been incorporated into the slides.

**Everyone** – Please review the attached updated briefing slides based on DE's input. The changes have been denoted in RED. Please get back to me with any changes no than 9AM. Thanks!

Eric

---

**From:** Lupold, Timothy  
**Sent:** Monday, October 20, 2014 6:04 PM  
**To:** Oesterle, Eric; Alexander, Ryan; Karas, Rebecca; Markley, Michael; Walker, Wayne  
**Cc:** Li, Yong; Manoly, Kamal  
**Subject:** RE: Draft Briefing package for 10/21



---

**From:** Oesterle, Eric  
**Sent:** Monday, October 20, 2014 10:31 AM  
**To:** Alexander, Ryan; Karas, Rebecca; Lupold, Timothy; Markley, Michael; Walker, Wayne  
**Subject:** FW: Draft Briefing package for 10/21

Good morning,

Just in case my email from home ended up in your spam or trash folder, I wanted to make sure everyone knew that I sent out a draft briefing package for the briefing on 10/21. Please also refer to email below. Thanks.

*Eric R. Oesterle*  
NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1

C/30

301-415-1014



**From:** ERIC OESTERLE [mailto:(b)(6)]  
**Sent:** Sunday, October 19, 2014 7:53 AM  
**To:** Sebrosky, Joseph; Alexander, Ryan; Karas, Rebecca; Lupold, Timothy; Markley, Michael; Oesterle, Eric; Walker, Wayne  
**Subject:** Draft Briefing package for 10/21

Hey Folks,

The purpose of this email is to provide you with a draft of the briefing package for the 10/21 breifing of NRR, NRO and Region IV management. I figured that the only way I could get this out for your review and comment in a timely manner was to cobble something together over the weekend. Attached please find the draft that I've prepared and please provide me your comments by COB Monday. Thanks for all your help and support!

Eric



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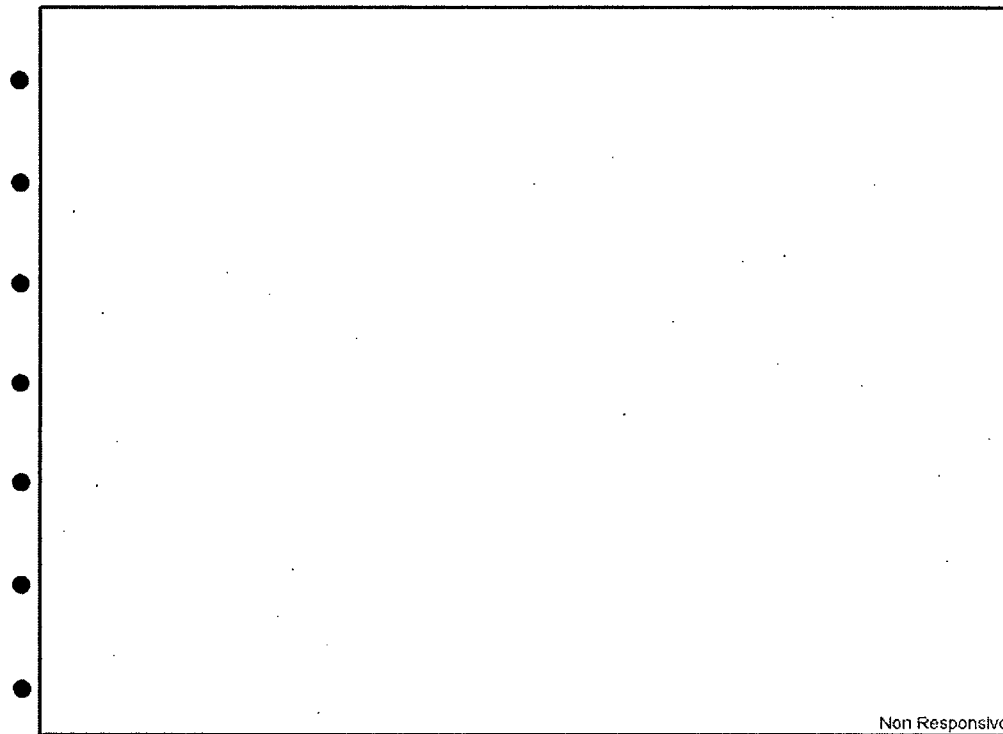
# **Assessment of PG&E Operability Determination for New Seismic Information**

**NRR, NRO and Region IV Status Briefing  
October 21, 2014**

Contacts: J. Sebrosky (NRR/JLD), T. Lupold (NRR/DE), R. Karas (NRO/DSEA), R. Alexander (RIV),  
W. Walker (RIV), M. Markley (NRR/DORL), and E. Oesterle (NRR/DORL)



## Briefing Agenda

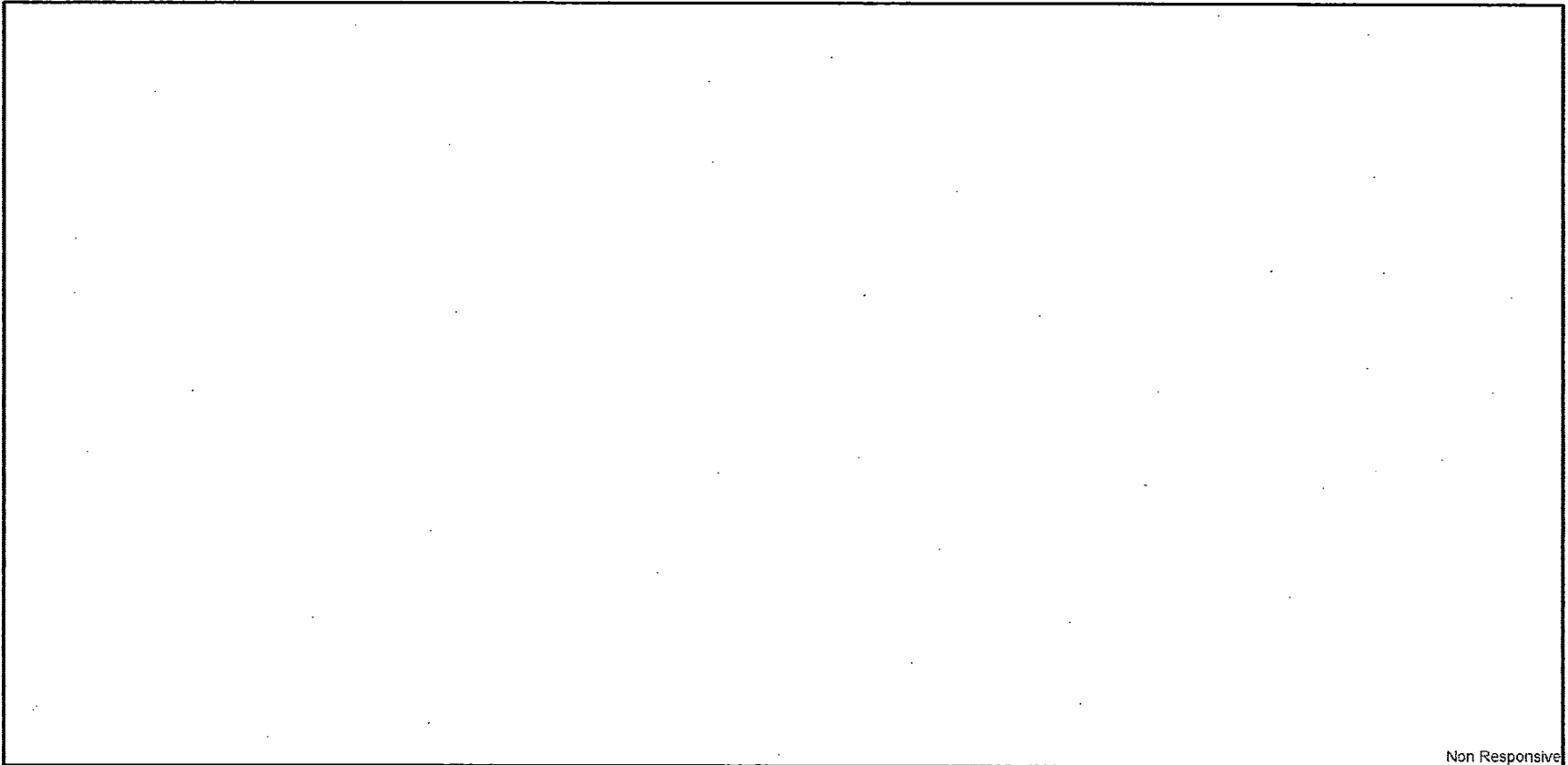


- Decisional Environment



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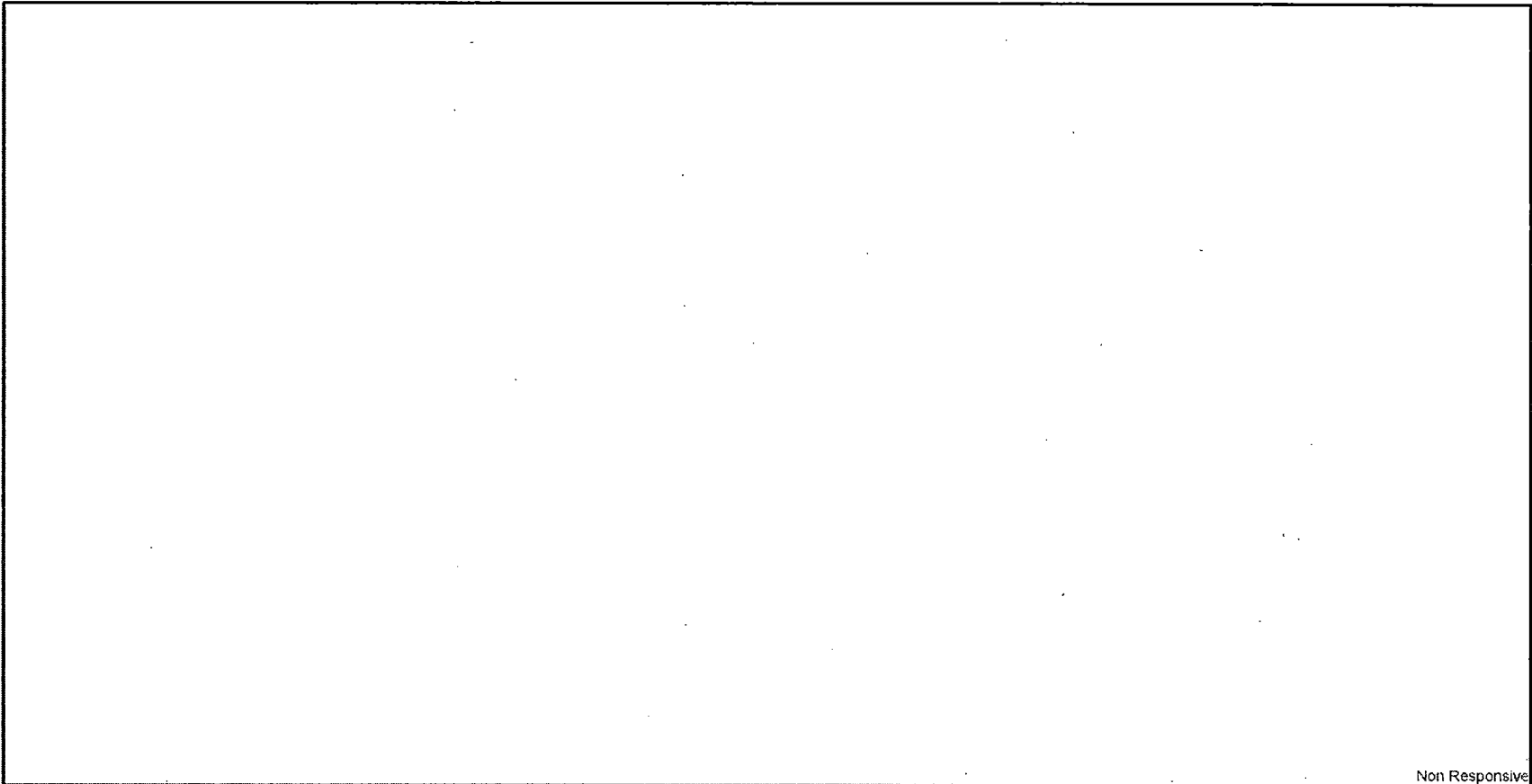


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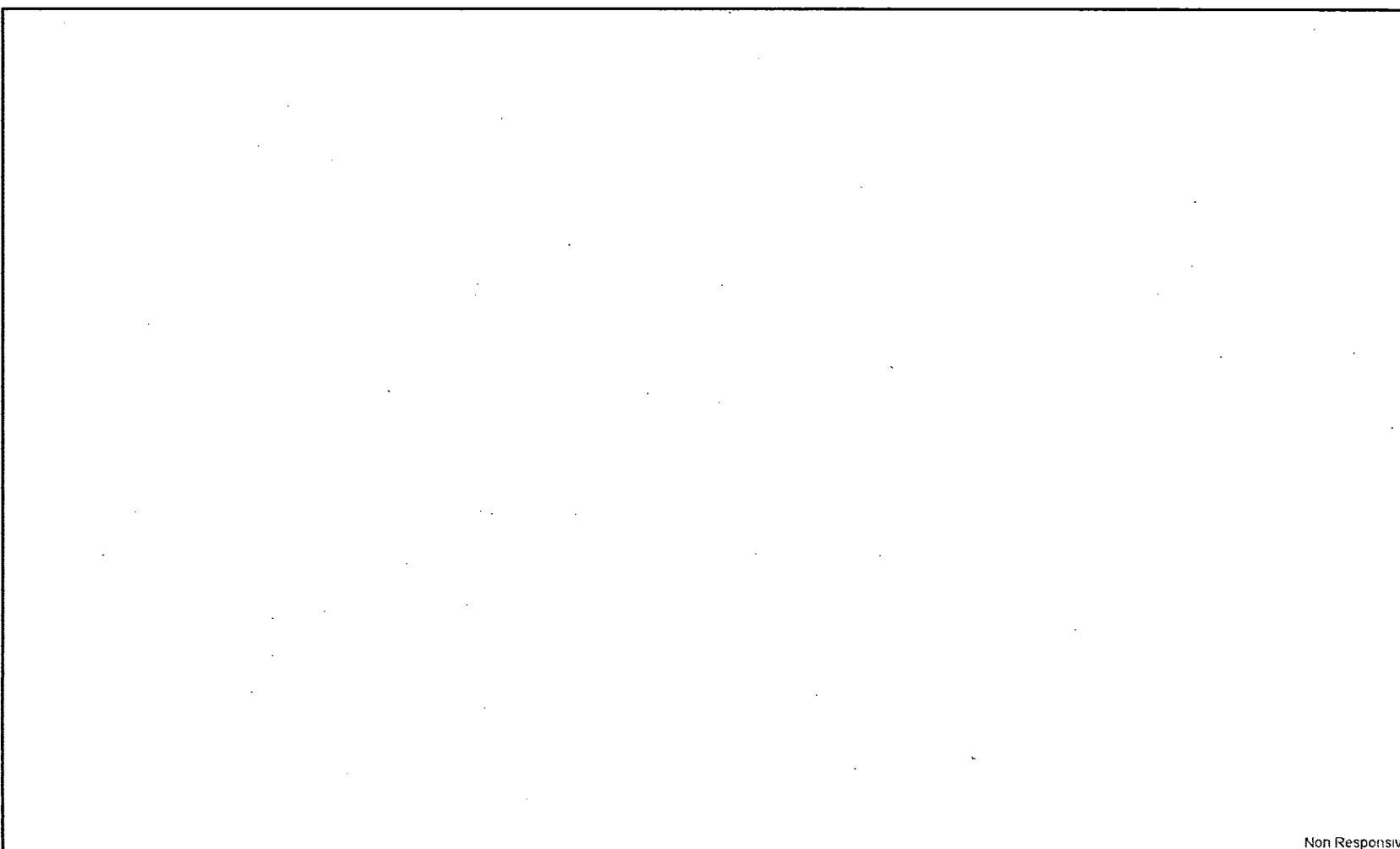
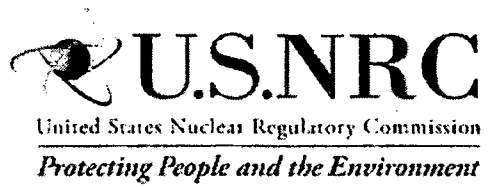
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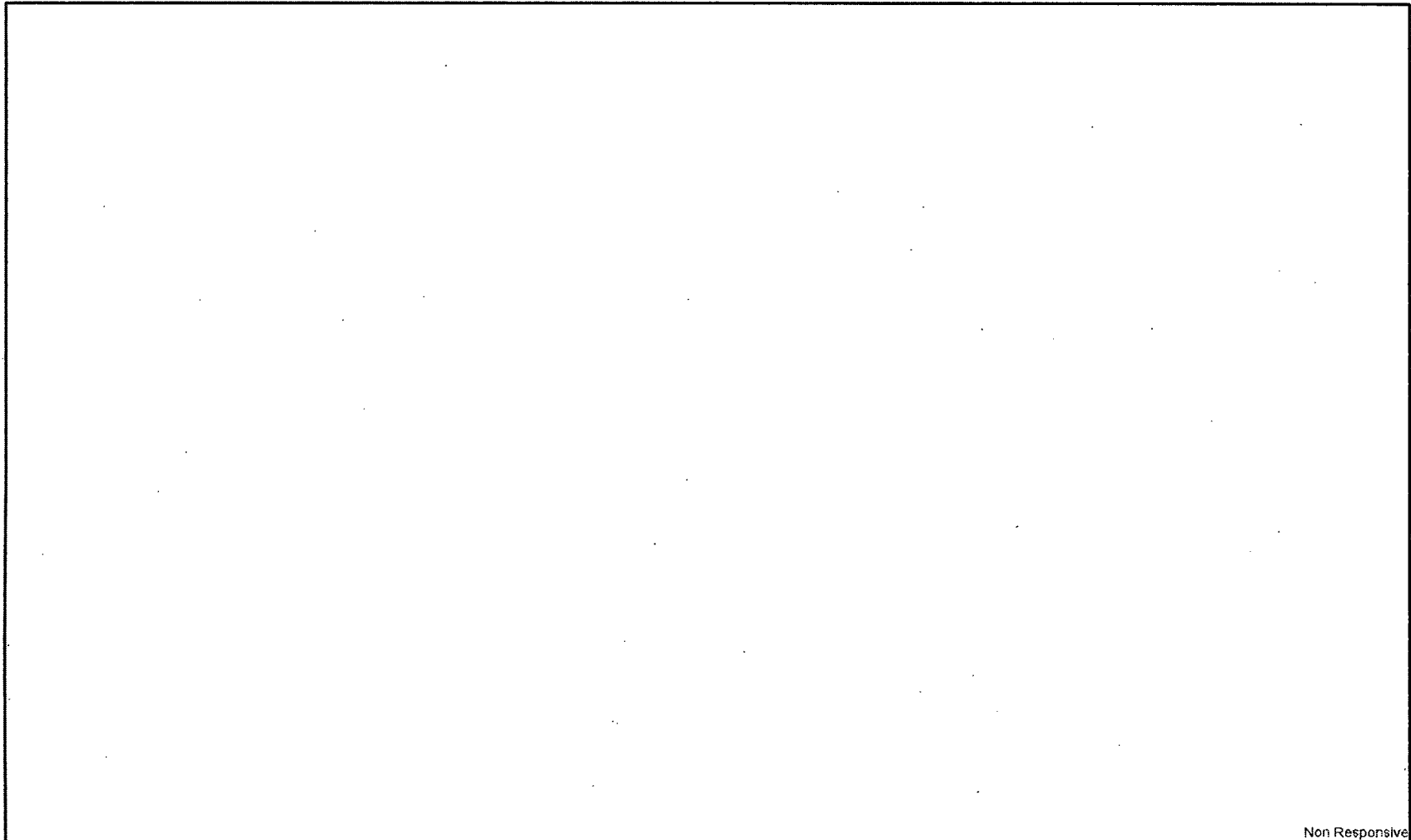
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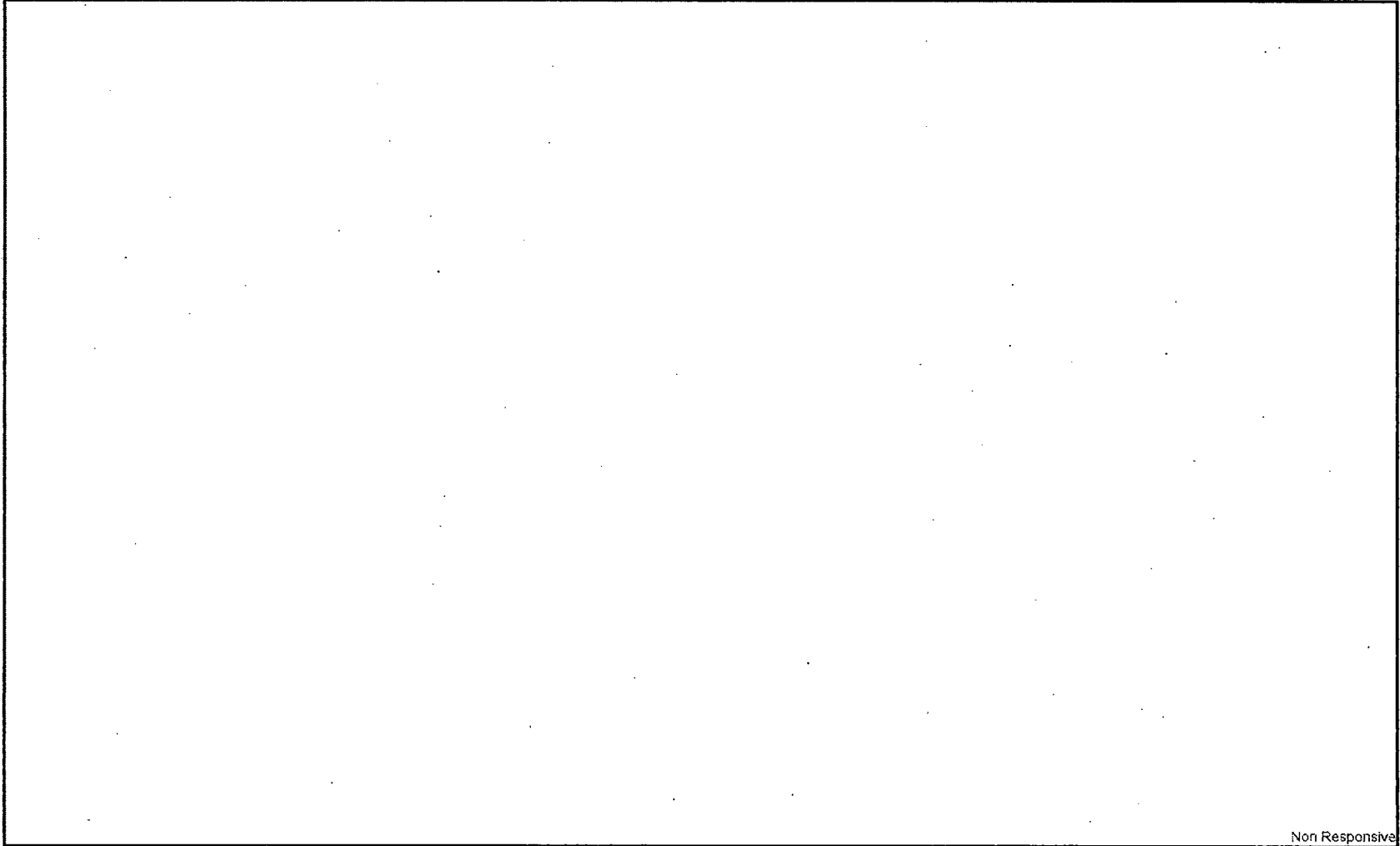






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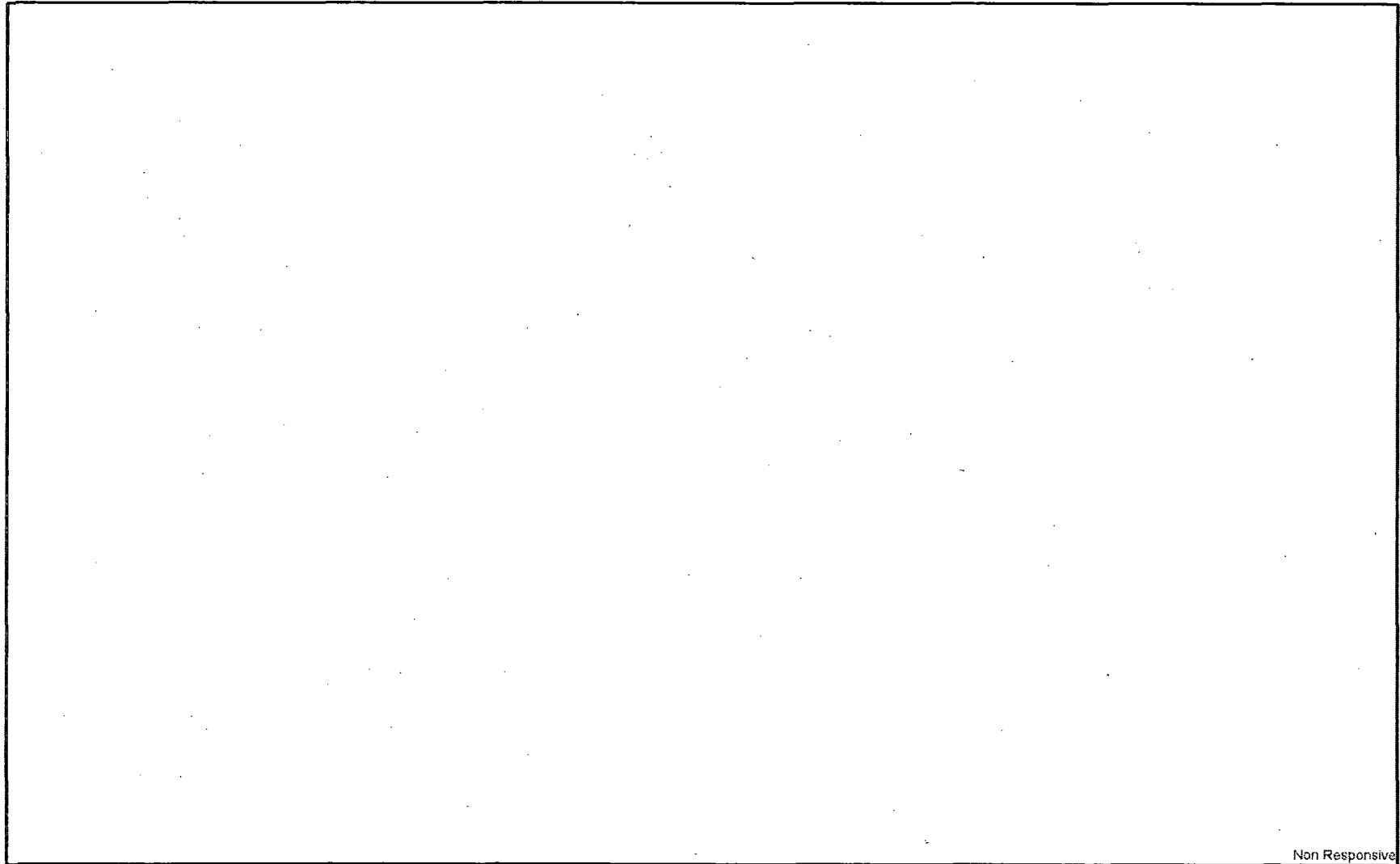
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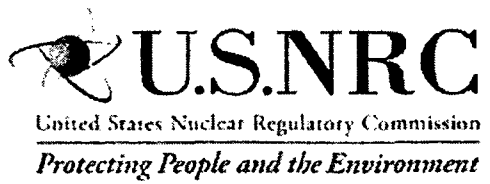
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## Decisional Environment

- Non Responsive
- FOIA – timing of PG&E issuance of seismic report and NRC EDO decision on DPO appeal
- Non Responsive
- Leak of DPO and publication in Press
- Non Responsive
- December 2014 Hearings – Senate & House

**From:** Oesterle, Eric  
**To:** Sebrosky, Joseph  
**Cc:** Karas, Rebecca; Alexander, Ryan; Lupold, Timothy; Walker, Wayne; Markley, Michael; Wilson, George  
**Subject:** Briefing slides  
**Date:** Monday, October 20, 2014 11:00:22 AM  
**Attachments:** Diablo Canyon Seismic Status Briefing 21Oct2014.pptx  
image001.png

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Joe,

Thanks for your comments this morning on the briefing slides. I've updated the slides to incorporate your comments and include some other minor tweaks. All changes except for table added on slide 8 are in RED.

*Eric R. Oesterle*

NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014







# U.S.NRC

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## **Assessment of PG&E Operability Determination for New Seismic Information**

**NRR, NRO and Region IV Status Briefing  
October 21, 2014**

Contacts: J. Sebrosky (NRR/JLD), T. Lupold (NRR/DE), R. Karas (NRO/DSEA), R. Alexander (RIV),  
W. Walker (RIV), M. Markley (NRR/DORL), and E. Oesterle (NRR/DORL)

## Briefing Agenda

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- Decisional Environment

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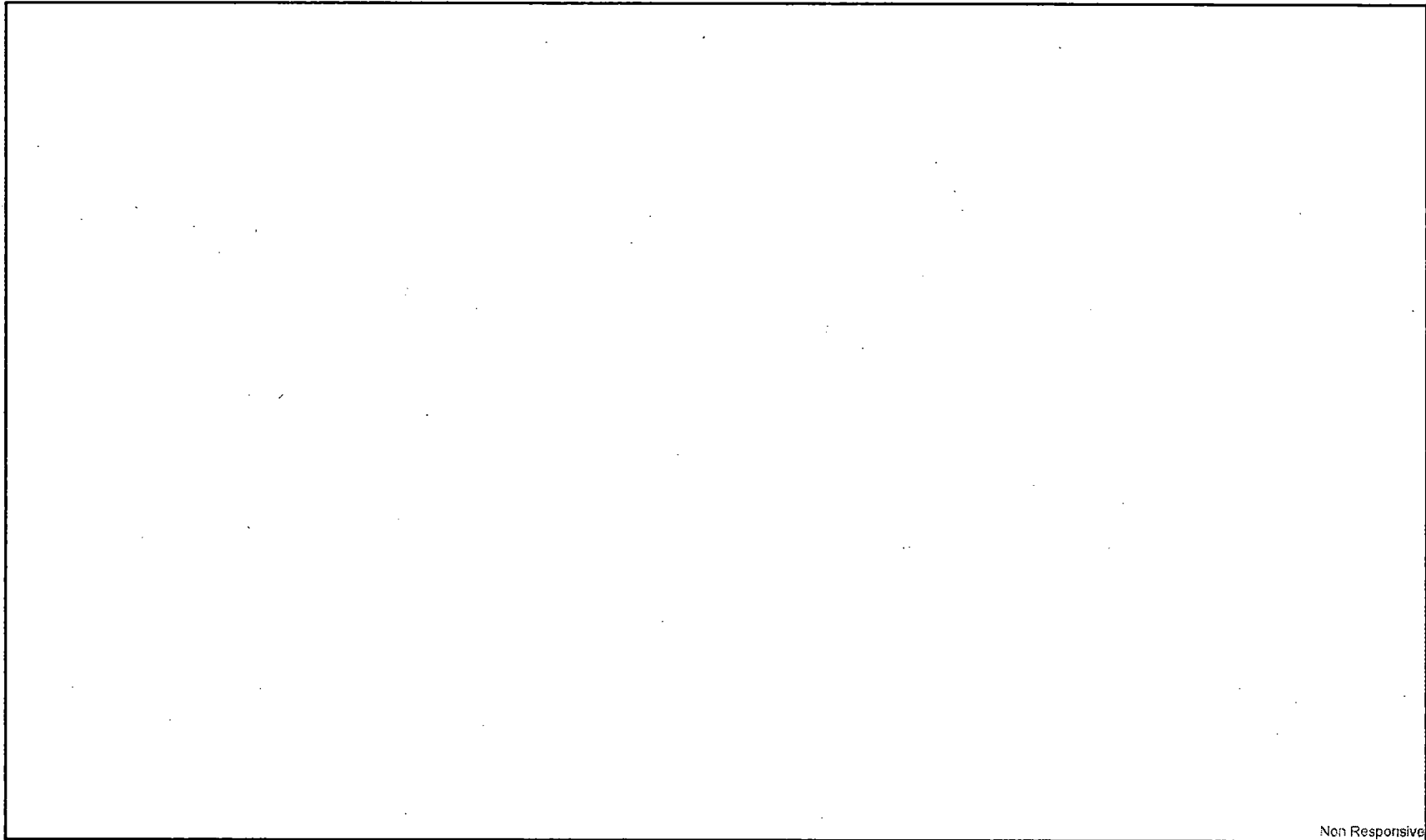
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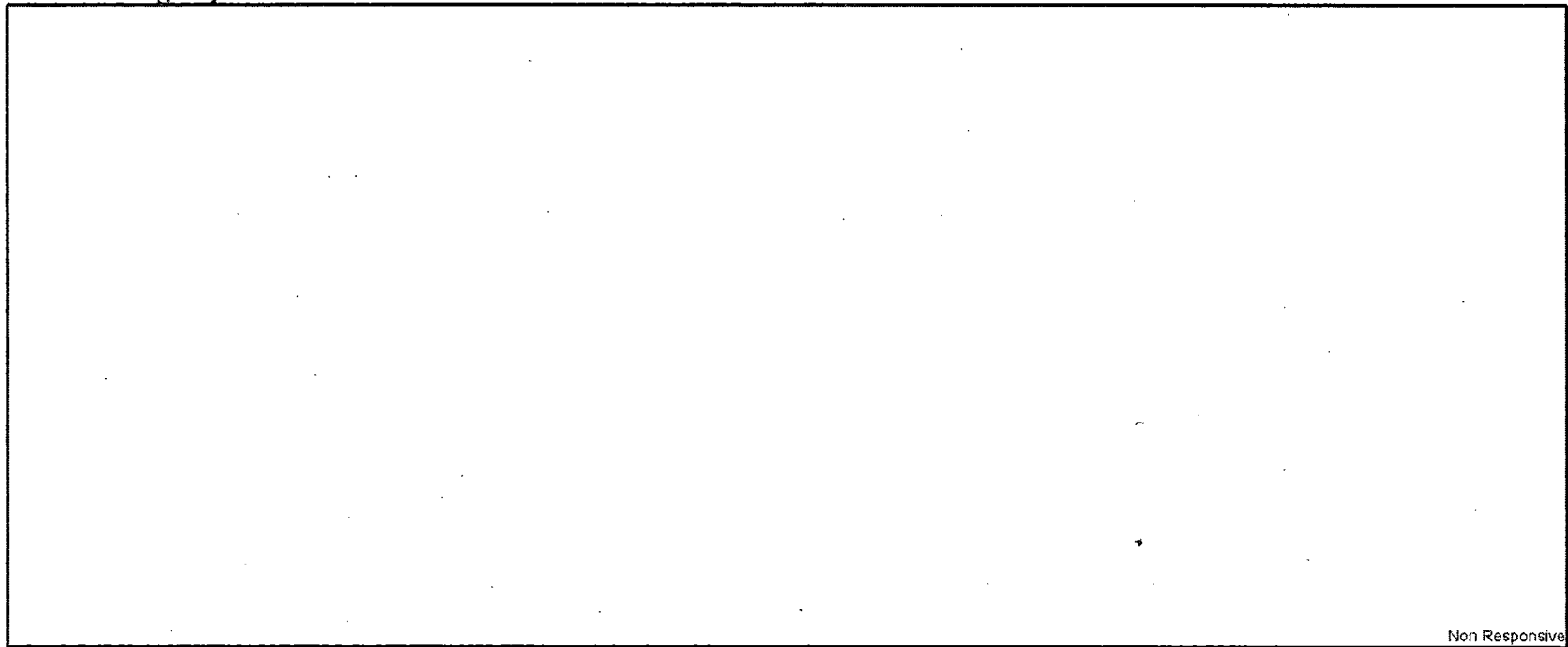
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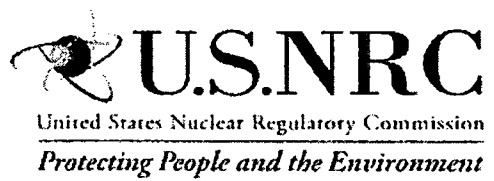
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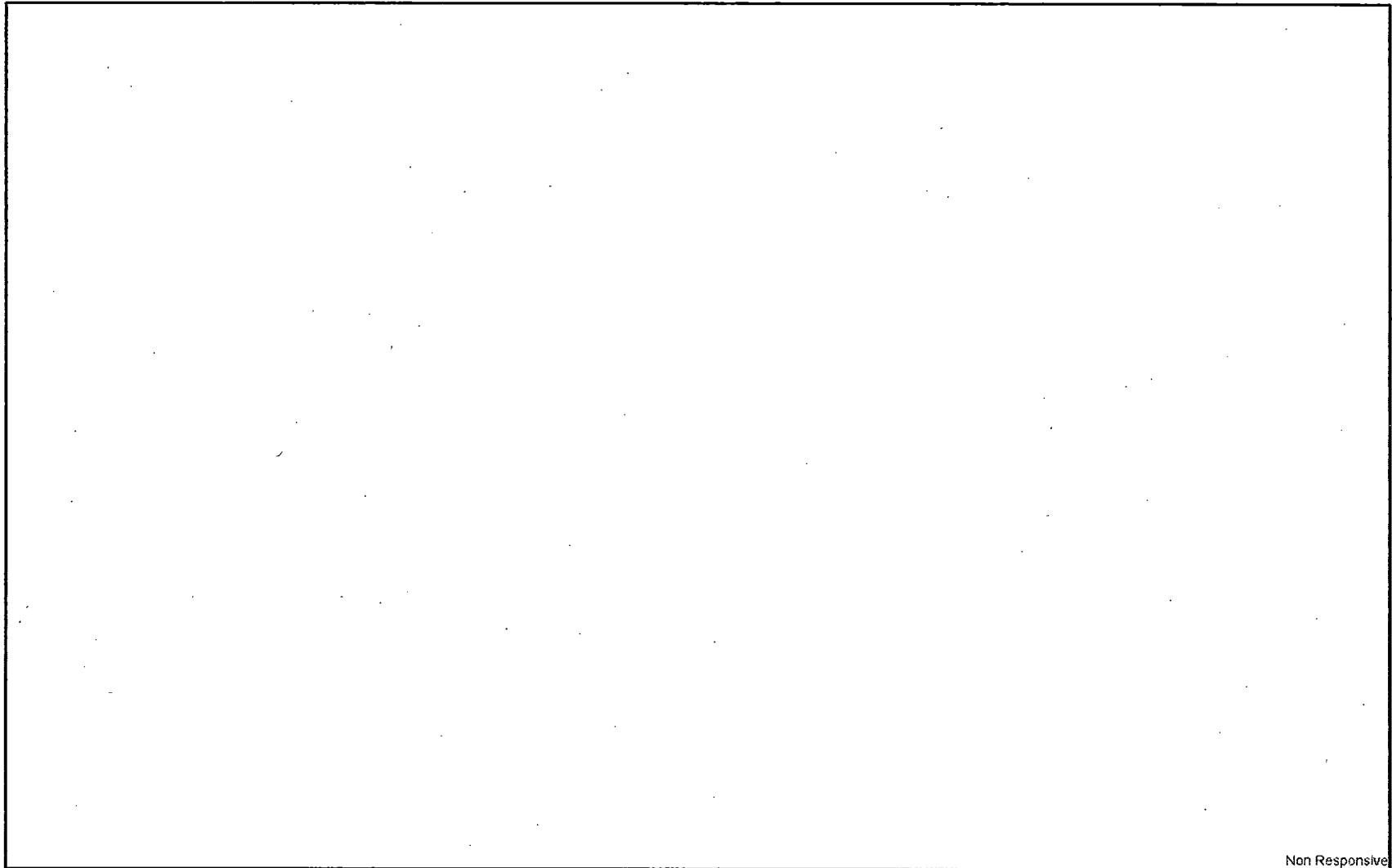


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## Decisional Environment

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Non Responsive

- FOIA – timing of PG&E issuance of seismic report and NRC EDO decision on DPO appeal
- Leak of DPO and publication in Press

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Non Responsive

- December 2014 Hearings – Senate & House



**From:** Qesterle, Eric  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Markley, Michael; George, Andrea; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Manoly, Kamal; Reynoso, John; Hill, Brittain; Harris, Brian; Klett, Audrey; Dudek, Michael; John Stamatakis; Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hilland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea  
**Subject:** Status of Diablo Canyon Activities  
**Date:** Thursday, October 09, 2014 7:02:34 AM  
**Attachments:** Status Update on DCPD for Jennifer Uhle.docx  
image003.png

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The purpose of this email is to provide a status on the multitude of Diablo Canyon activities that staff has been working on this week.

I.

II.

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C/32

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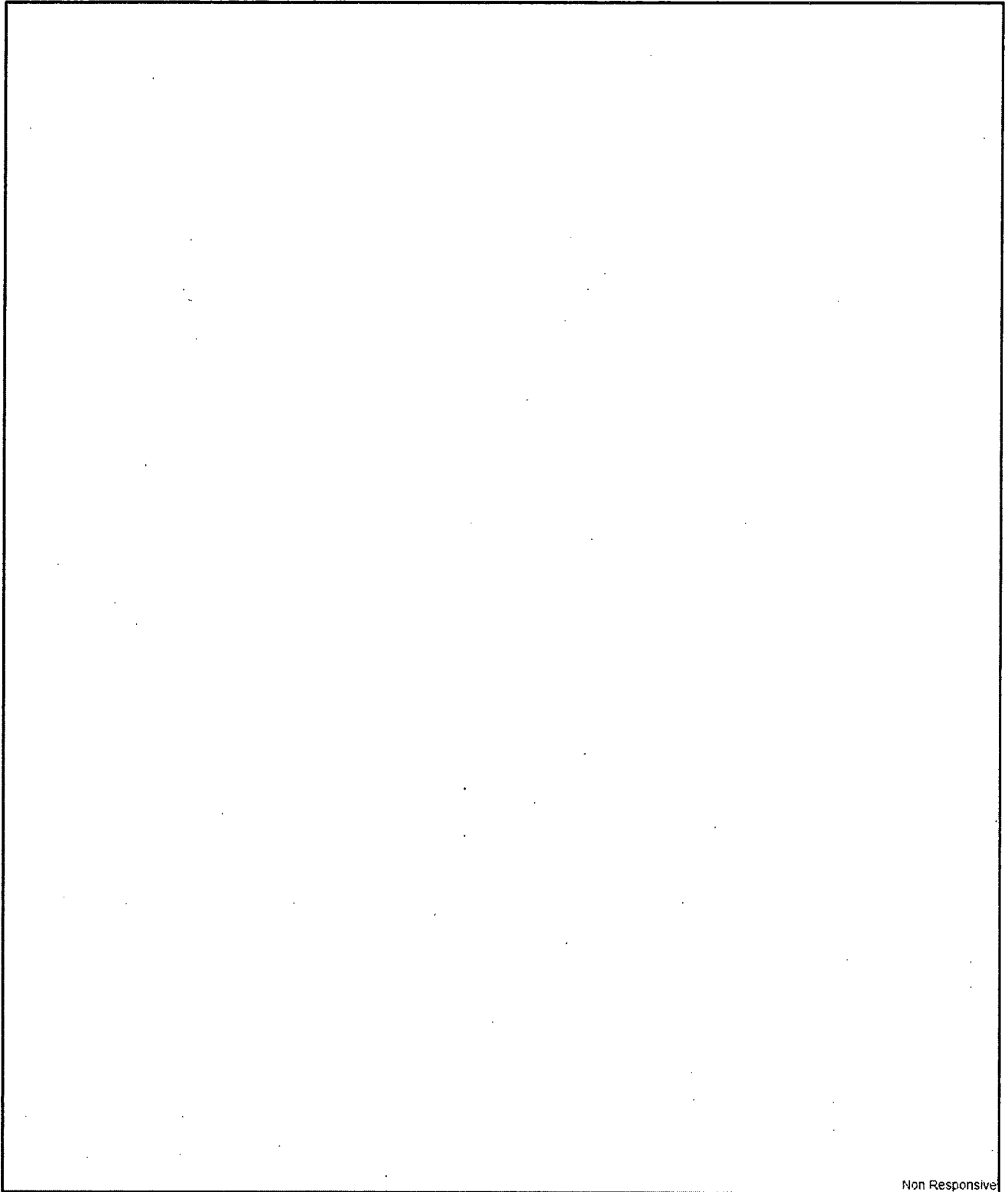
- III. Filings associated with Friends of the Earth (FOE) Hearing Request
  - a. NRC response to FOE hearing request filed 10/6
  - b. Additional filings also made by PG&E, NEI, and PG&E Senior Civil Engineer on 10/6
  - c. Next steps – FOE response within 7 days and, also within 10 days of the PG&E's answer and NEI's motion and brief, everybody else (NRC Staff included) can file a motion asking the Commission to take some action against the other filings (e.g. strike part of the answer) - review of the other 3 filings underway
- IV. FOE FOIA request on timing of PG&E Seismic Report and DPO Appeal decision
  - a. Information from various offices received by FOIA coordinator – going through duplication review
  - b. Expected release of documents in packages – first one expected this week
  - c. Review of remaining packages for withholding to be performed to support releases expected week of 10/13.
- V. EPW Questions – DORL staff continues to work with Region IV and NRR/DE on finalizing draft responses – coordinating with OCA – target issuance by 10/22

There continues to be a lot of activity associated with Diablo Canyon and I appreciate everyone's support. We are making good progress on these challenging issues and have completed some tasks associated with making portions of the DCPD UFSAR publicly available and getting two very important SSERs into the main ADAMS library. If I have missed something that you are particularly interesting in please don't hesitate to contact me. Thanks!

*Eric R. Oesterle*

NRC Project Manager  
Diablo Canyon Power Plant  
Cooper Nuclear Station  
NRR/DORL/LPL4-1  
301-415-1014

## Status Update on NRC Activities associated with Diablo Canyon Seismic Report



Non Responsive

d. Congressional Hearings – tentatively December 2014 timeframe

V. Additional NRC staff activities (5 – 6 PMs currently supporting DCCP activities)

- a. Friends of the Earth FOIA response – in process
- b. EPW Congressional Question response – in process

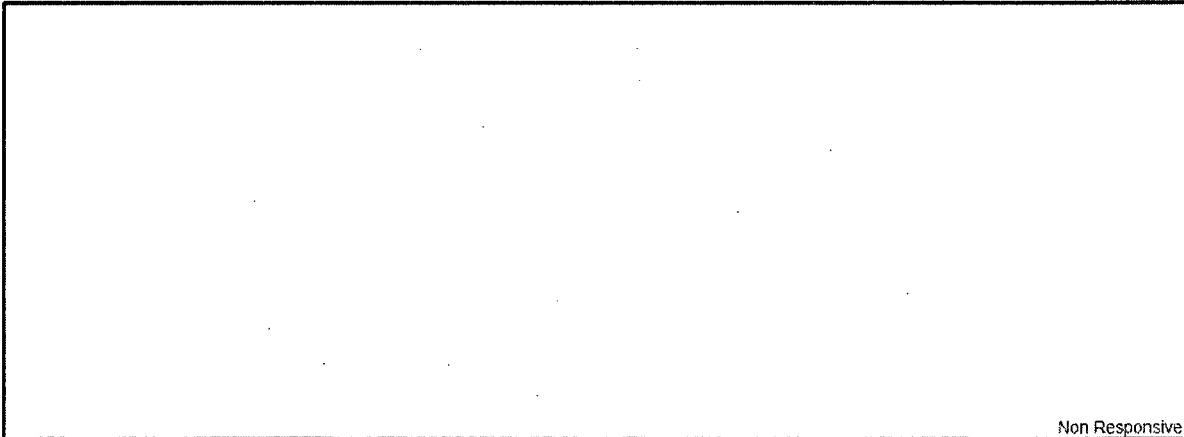
- c.
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- e.
- f.
- g.
- h.
- i.
- j.
- k.

Non Responsive

**From:** Wilson, George  
**To:** Evans, Michele; Lund, Louise  
**Cc:** Markley, Michael; Broadus, Doug; Khanna, Meena; Beasley, Benjamin; Ennis, Rick; Schaaf, Robert  
**Subject:** 0845 items for Monday's meeting  
**Date:** Monday, October 06, 2014 8:34:50 AM

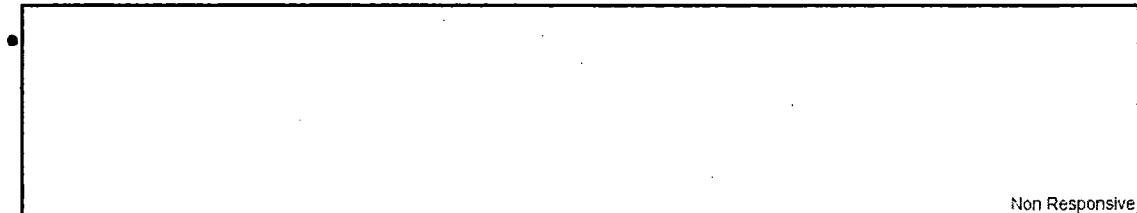
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### Region 1

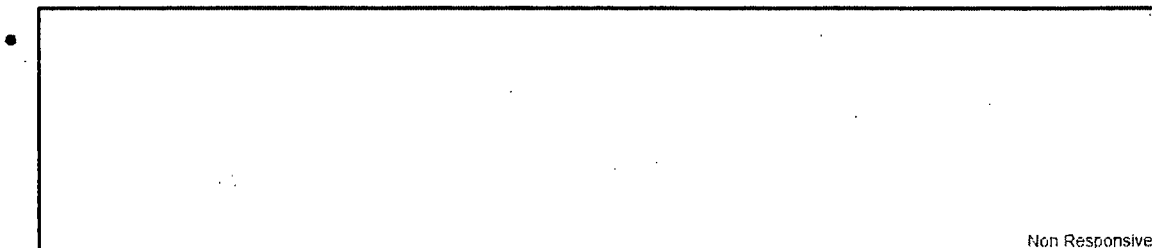


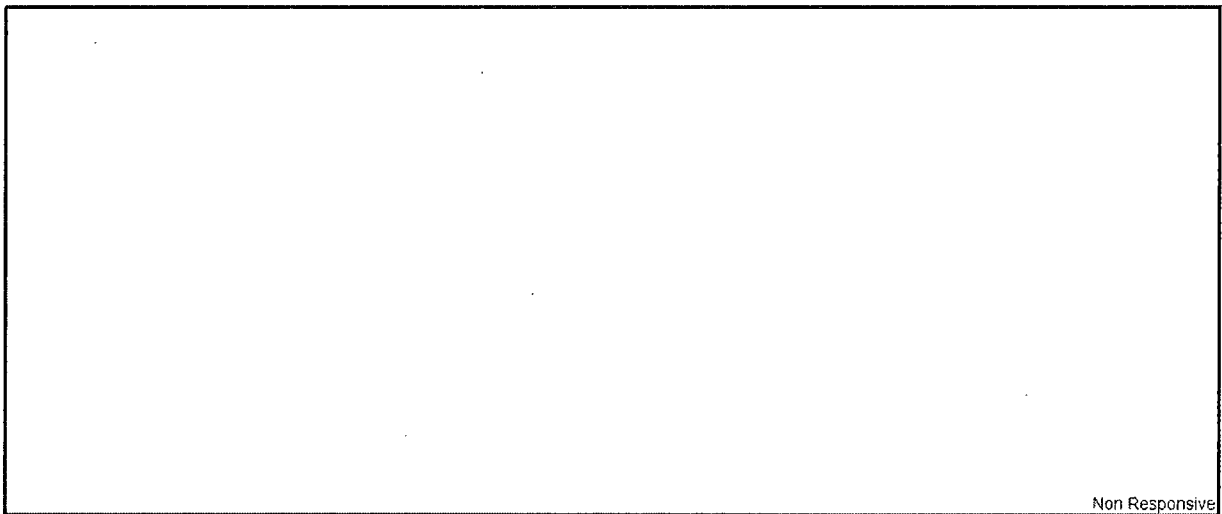
### Region 4

#### **Diablo Canyon -**



- Friends of the Earth request for hearing - petition response due to Commission 10/6 (today) (DORL comments sent to OGC, OGC recommends not granting hearing)
- Friends of the Earth FOIA – alleging collusion between the NRC and PG&E on DPO and AB1632 report to California expected to be finalized between OIS and NRR this week.
- Response to EPW questions still progressing with expected response to be provided by 10/22





Non Responsive

George Wilson  
Acting Deputy Director  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
USNRC  
301-415-1711  
Office O8E4

**From:** Sebrosky, Joseph  
**To:** Oesterle, Eric; Markley, Michael  
**Subject:** FW: The final version Attorney Client Privilege  
**Date:** Monday, October 06, 2014 7:52:45 AM  
**Attachments:** dave cite check corrections.docx

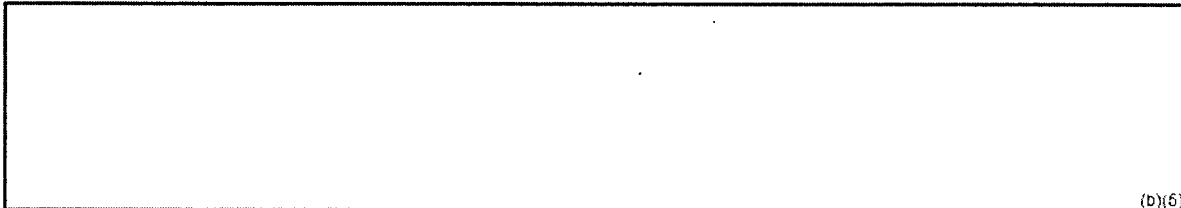
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FYI – per our discussion - joe

**From:** Roth(OGC), David  
**Sent:** Friday, October 03, 2014 5:53 PM  
**To:** OKeefe, Neil; Sebrosky, Joseph; Manoly, Kamal; Li, Yong  
**Cc:** Young, Mitzi; Roth(OGC), David; Lindell, Joseph; Mizuno, Beth; Wachutka, Jeremy  
**Subject:** The final version Attorney Client Privilege

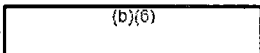
Good afternoon

Attached is the document we'll be filing Monday after fixing the noted citation errors and changing the document's name. Thank you again for your hard work.



Thank you

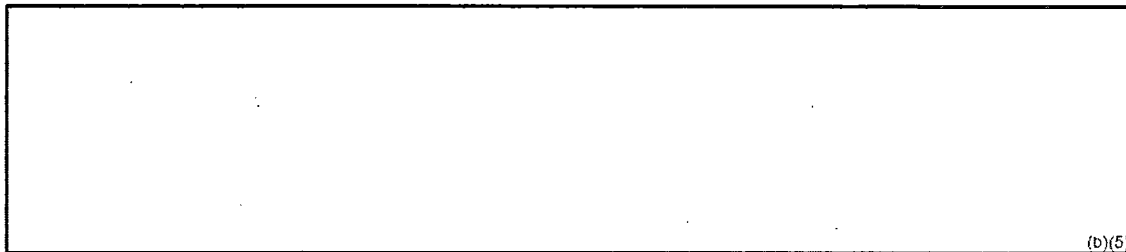
David Roth

NRC Blackberry   
HQ Office (301) 415-2749

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Attorney Work Product~~

**From:** OKeefe, Neil  
**Sent:** Thursday, October 02, 2014 2:17 PM  
**To:** Roth(OGC), David  
**Subject:** RE: DER master do not edit without dave's permission 2012 09 22 NRC Staff Answer to FOE  
Diablo Petition to Intervene

Dave,



(b)(5)

Neil

**From:** Roth(OGC), David

**Sent:** Wednesday, October 01, 2014 2:37 PM

**To:** OKeefe, Neil; Sebrosky, Joseph; Manoly, Kamal; Li, Yong

**Cc:** Wachutka, Jeremy; Lindell, Joseph; Young, Mitzi; Roth(OGC), David; Mizuno, Beth; Tibbetts, John

**Subject:** RE: DER master do not edit without dave's permission 2012 09 22 NRC Staff Answer to FOE Diablo Petition to Intervene

Good afternoon tech staff.

I heard from Joe (thank you) but nobody else. Attached please find the revised filing. Please review it for tech accuracy and respond back to your legal team by tomorrow morning (10:00 is fine).

As a reminder, do not re-distribute attorney-client information (including this e-mail and attachment). Please see Yellow Announcement 2014-102 for more information. shouldn't re-send the document.

**DISSEMINATION OF DOCUMENTS ISSUED BY THE  
OFFICE OF THE GENERAL COUNSEL**

Margaret M. Doane  
General Counsel

Posted: August 29, 2014

Number: 2014-102

David Roth

NRC Blackberry

(b)(6)

HQ Office (301) 415-2749

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**From:** Roth(OGC), David  
**Sent:** Wednesday, October 01, 2014 2:43 PM  
**To:** OKeefe, Neil; Sebrosky, Joseph; Manoly, Kamal; Li, Yong  
**Cc:** Roth(OGC), David  
**Subject:** RE: DER master do not edit without dave's permission 2012 09 22 NRC Staff Answer to FOE Diablo Petition to Intervene

Good afternoon,

We have created an updated version of the Staff's (your) position on the Friends of the Earth request for a hearing in Diablo. The actual filing date is Monday. Neil, Joe, Kamal, Yong, are you in the office today (Wednesday)?

David Roth

NRC BlackBerry (b)(5)  
HQ Office (301) 415-2749

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**From:** OKeefe, Neil  
**Sent:** Monday, September 22, 2014 4:25 PM  
**To:** Roth(OGC), David; Sebrosky, Joseph; Manoly, Kamal; Li, Yong  
**Subject:** RE: DER master do not edit without dave's permission 2012 09 22 NRC Staff Answer to FOE Diablo Petition to Intervene  
**Importance:** High

Dave,

I have reviewed the document, and find no technical errors or concerns.

Neil O'Keefe  
Chief, Branch B  
DRP, RIV  
(817) 200-1141 (o)

(b)(5) (c)

**From:** Roth(OGC), David  
**Sent:** Monday, September 22, 2014 11:20 AM  
**To:** Sebrosky, Joseph; Manoly, Kamal; OKeefe, Neil; Li, Yong  
**Subject:** Fw: DER master do not edit without dave's permission 2012 09 22 NRC Staff Answer to FOE Diablo Petition to Intervene

Please review attached immediately for tech accuracy. We need a very fast turnaround before 2:00 today. Sorry for the short notice. Do not forward this email or the attached document.

David Roth

Office of the General Counsel

Office (301) 415-2749

Work Cell (b)(6)

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Official Use Only  
Attorney Client Privilege or  
Attorney Work Product~~

Sent from NRC BlackBerry

(b)(6)

**From:** Roth(OGC), David

**Sent:** Monday, September 22, 2014 12:07 PM

**To:** Tibbetts, John

**Cc:** Mizuno, Beth; Young, Mitzi; Lindell, Joseph; Wachutka, Jeremy; Roth(OGC), David

**Subject:** DER master do not edit without dave's permission 2012 09 22 NRC Staff Answer to FOE  
Diablo Petition to Intervene

John,

As we discussed, I'm done and you now have permission finalize (for Ed) the filing.  
Please work from the DER master in the G: drive, so everyone knows that you have it  
locked for editing.

(b)(5)

John, the file has auto TOC and uses styles for footnotes and for heading levels 1 to 3.  
I didn't add a TOA there might be one footnote with TOA hypertext markup.

**Draft of the "NRC Staff Answer to Petition to Intervene and  
Request for Hearing by Friends of the Earth"**

**63 pages withheld in their entirety - exemption (b)(5)**

**From:** [Sebrosky, Joseph](#)  
**To:** [Wilson, George](#)  
**Cc:** [Oesterle, Eric](#); [Markley, Michael](#)  
**Subject:** FW: draft agenda for status update for j. uhle  
**Date:** Monday, October 06, 2014 5:59:35 AM  
**Attachments:** [Status Update on DCPD for Jennifer Uhle.docx](#)  
[diablo pm work assignment.docx](#)  
[Draft Questions for PGE - RJV Compilation.docx](#)  
[image001.png](#)

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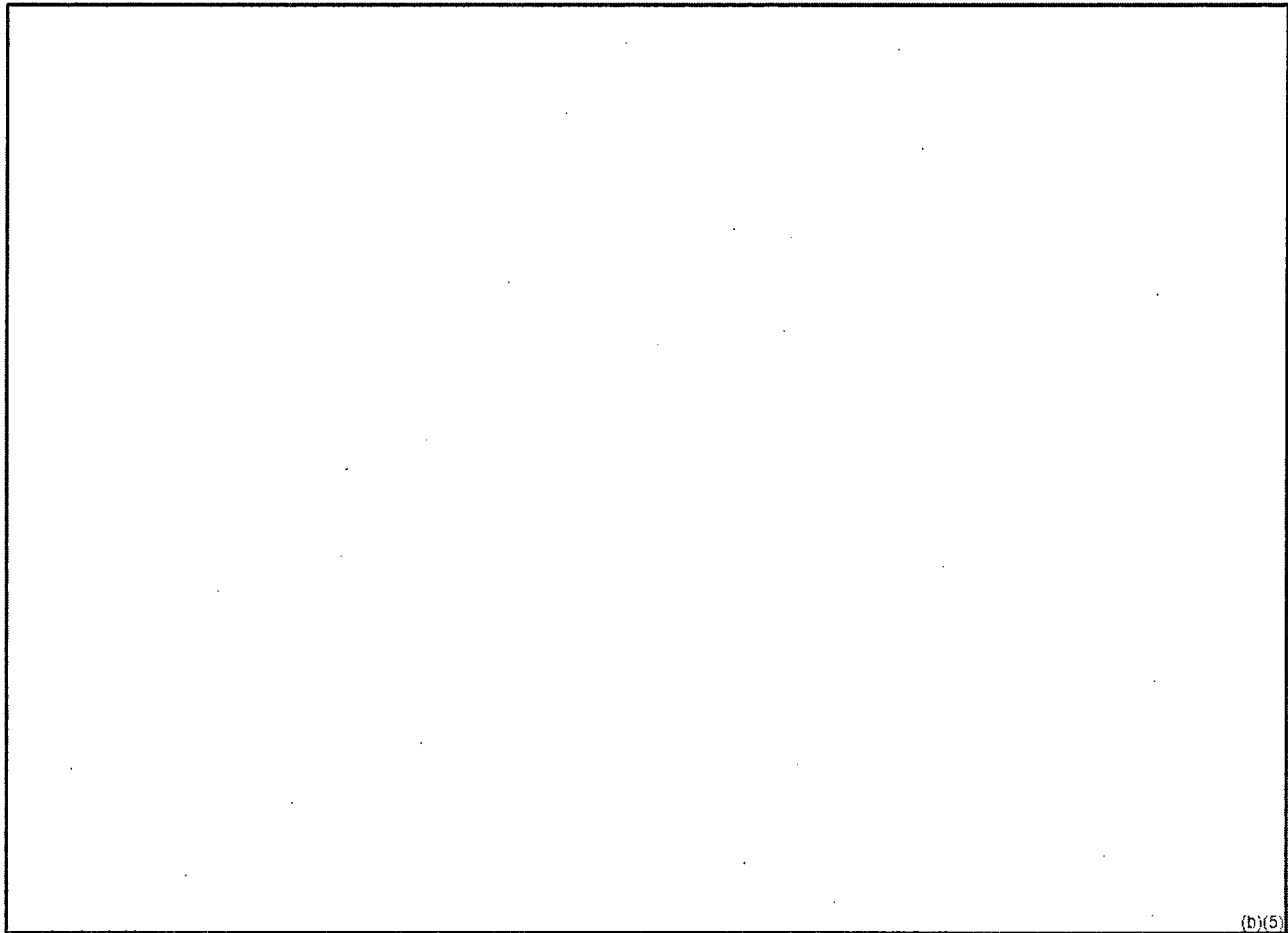
George,

Per our discussion this morning, I sent you the scheduler for the 1:30 pm briefing of Jennifer later today. Attached is the draft agenda that Eric developed over the weekend for the briefing. In Eric's email below he mentions a plot (below is the plot that he will include in the agenda). Also per our discussion, attached is a list of diablo pm assignments that provides a description of the various items that have been released and will be released to the public Non Responsive shortly. Lastly, I included the 3 questions that were verbally provided to PG&E on Friday with the expectation that there will be a phone call later this week.

Let me or Eric know if you have any questions.

Thanks,

Joe



(b)(5)

**From:** ERIC OESTERLE [mailto:(b)(6)]  
**Sent:** Sunday, October 05, 2014 8:37 AM  
**To:** Sebrosky, Joseph; Markley, Michael  
**Subject:** draft agenda for status update for j. uhle

Guys,

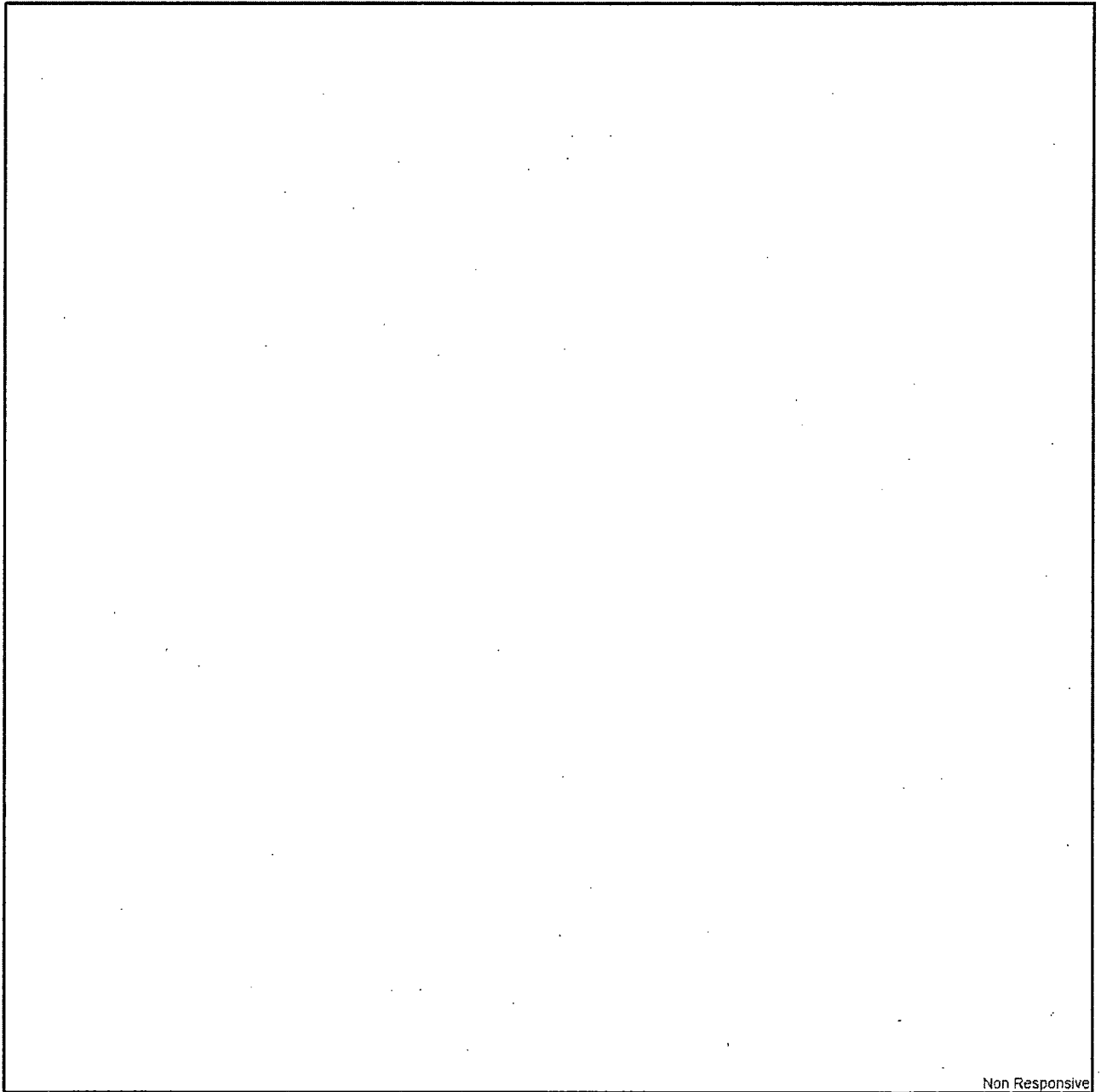
Attached is the draft agenda for the status update to Jennifer Uhle that has been scheduled for 1:30PM on 10/6/14. Thought it would be good to send out prior to tomorrow. The only thing that I wanted to add to the agenda but can't do until I get back to office is the Shoreline linked ergodic spectra developed by NRC staff comparison to PG&E Shoreline linked SSTC and Hosgri. I beleive that Jennifer will appreciate that level of detail. Please let me know ASAP if you have any comments on draft agenda. Thanks.

Eric

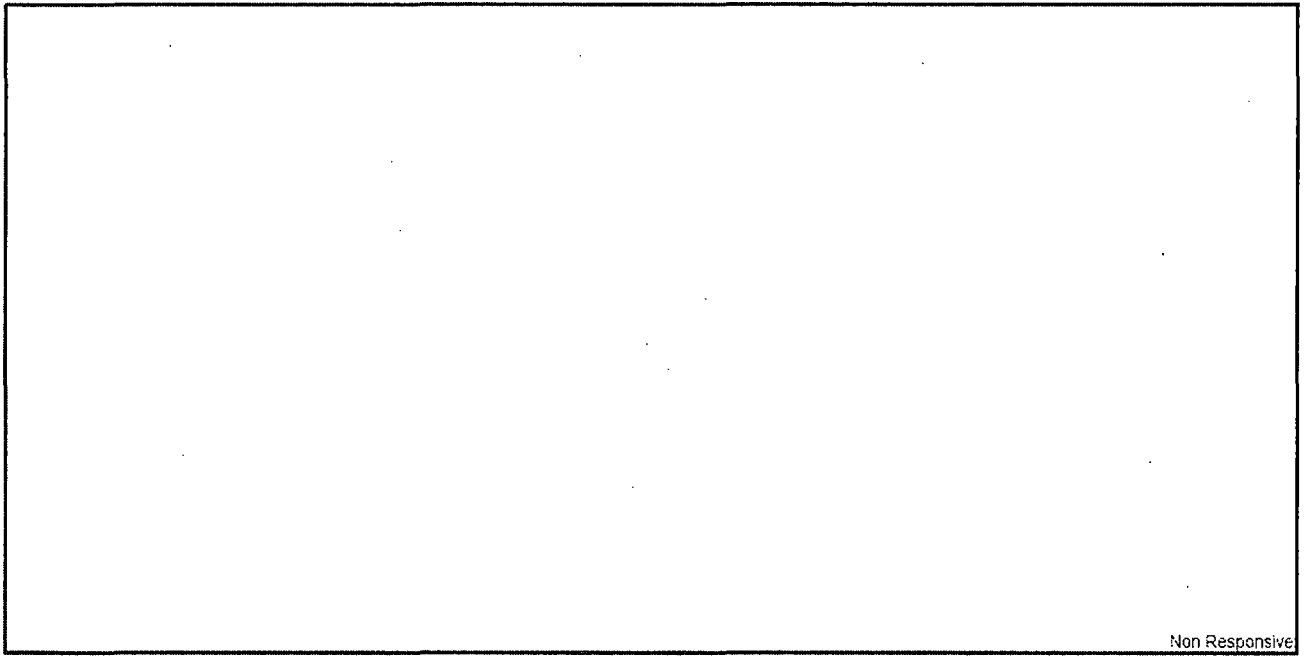
Diablo PM Work Assignments as of 10/6/14

#	Work assignment	PM(s)	Status – 10/6/14	Date Information Released to the Public				
1	Non Responsive							
2					Support for response to FOE hearing request	Eric Oesterle, Joe Sebrosky	In process – target issuance 10/6/14	10/6/14 - tentative
3								
4								
5								
Non Responsive								
6	Friends of the Earth (FOE) FOIA response – timing of release of DPO coincident with release of State of California report	Eric Oesterle, Joe Sebrosky, Balwant Singal, Peter Bamford, and Bhalchandra Vaidya.	In process - staff collecting information, FOIA coordinator would like to begin releasing information around 10/8 in a staggered fashion	10/8/14, partial release with more information to follow as redactions are completed				
7	EPW congressional question response	Eric Oesterle and Joe Sebrosky	In process – internal meeting on 10/2 to discuss draft response. Target for NRR/DE input is 10/10/14. Targeting providing response to OCA around 10/17 or 10/24	N/A will not be released to the public				
8								
9								
10								
Non Responsive								

**10/2/2014 Questions for PG&E Concerning Operability Determination**



Non Responsive



Non Responsive



**Status Update on NRC Activities associated with Diablo Canyon Seismic Report**

I.

II.

III.

IV.

Non Responsive

V.

(b)(5), Non Responsive

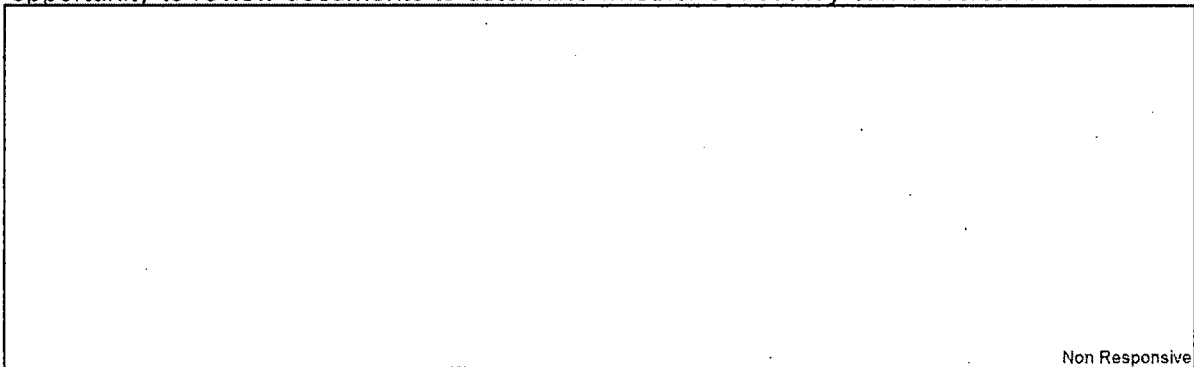


**From:** Sebrosky, Joseph  
**To:** Vaidya, Bhalchandra; Klett, Audrey; Harris, Brian  
**Cc:** Oesterle, Eric; Markley, Michael; Alexander, Ryan; Walker, Wayne; Hipschman, Thomas  
**Subject:** info: cancellation of 9:00 am diablo canyon pm meeting  
**Date:** Tuesday, October 07, 2014 7:08:06 AM  
**Attachments:** diablo pm work assignment.docx

---

Bhalchandra, Audrey, and Brian,

I sent you a scheduler cancelling the 9:00 am (eastern) Diablo Canyon meeting today. The reason that it was cancelled is that Jennifer Uhle requested that Eric and I attend the 9:00 am Commission meeting on Fukushima seismic issues in the event questions regarding Diablo Canyon are asked. Attached is the latest Diablo status table. We expect to hear back from Paris So today on the FOE FOIA and someone will be provided with the opportunity to review documents to determine whether or not they can be released. In



Let me know if you have any questions.

Thanks,

Joe

Diablo PM Work Assignments as of 10/6/14

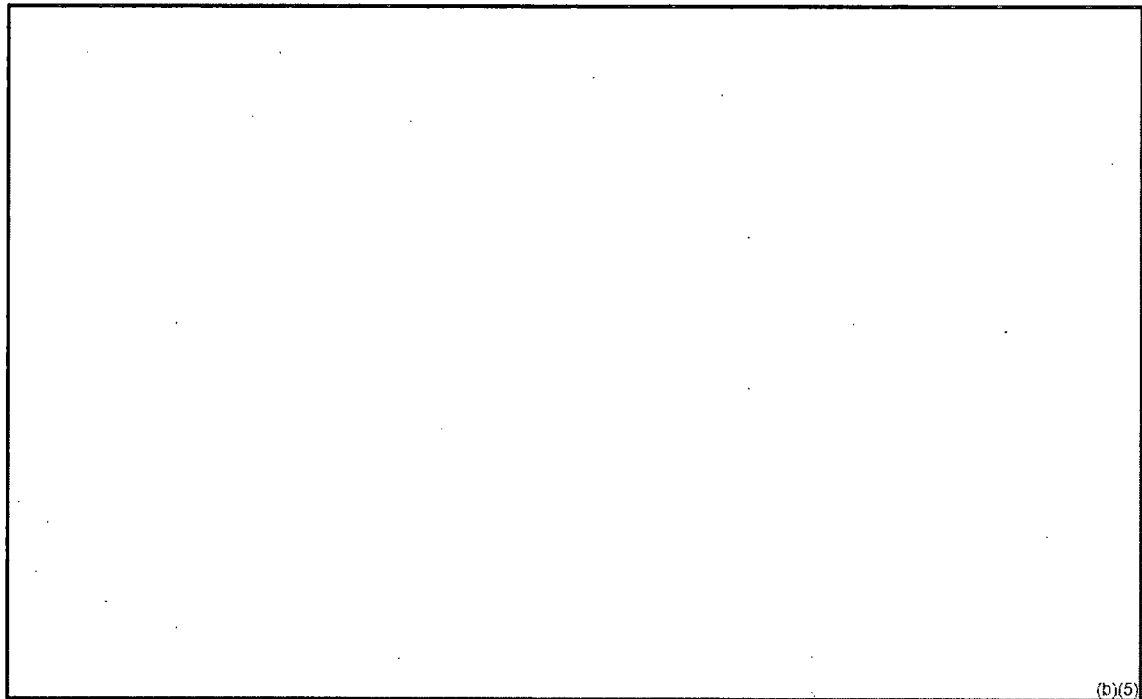
#	Work assignment	PM(s)	Status – 10/6/14	Date Information Released to the Public
1	Non Responsive			
2				
3				
4				
5	Non Responsive			
6				
7				
8	Non Responsive			
9				
10				

**From:** Sebrock, Joseph  
**To:** Uhl, Jennifer; Markley, Michael; Lund, Louise; Wilson, George  
**Cc:** Oesterle, Eric; Klett, Audrey; Harris, Brian  
**Subject:** RE: Diablo canyon  
**Date:** Monday, September 29, 2014 5:54:09 AM  
**Attachments:** info status of diablo operability review 9-25-14.mso  
image003.png

---

Jennifer,

Attached is the latest on the status of Diablo Canyon issues. There are two issues that the staff believes it needs to address before it can provide you with a recommendation on how to proceed (i.e., single station approach and updating calculations used to resolve the DPO). We received data from PG&E on 9/26 on the single station approach and expect to receive more data today on the DPO calculations. There is a tech staff meeting on 10/1 at which time we hope to be able to make a decision on whether or not we have enough information to make a recommendation or if we need more information or more time. The two issues are discussed in greater detail below. You should also know that Audrey Klett and Brian Harris (JLD PM) have been brought in to help to develop the recommendation letter on whether or not the licensee should proceed with assessing new seismic information using the 50.54(f) process and the communication plan associated with the issuance of an inspection report and the letter back to the licensee based on the data in the 2014 State of California report.

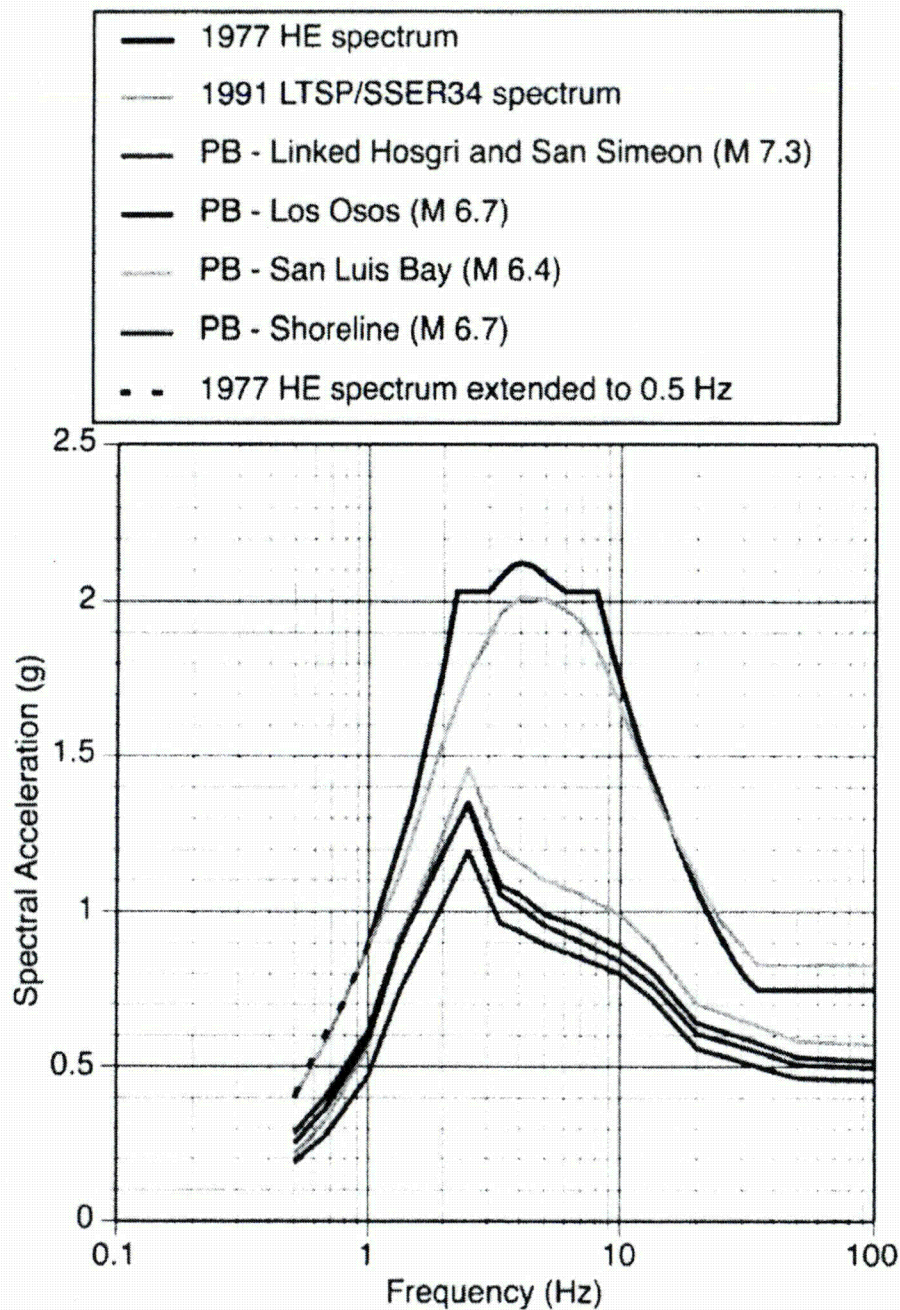


Please let me know if you have any questions or if you want me to arrange a briefing for you on the current status.

Thanks,

Joe

File path: S:\105\10518\gas\seismic\Figures\Fig14\_281.dgn, 22:21 a. Date: 06/10/2014, User: Simon Eckardt, L2



Deterministic Response Spectra (5% Damping)  
for the Power-Block Foundation Level

HAZARD SENSITIVITY AND IMPACT EVALUATION



Pacific Gas and Electric Company

Figure 2-1

**From:** Uhle, Jennifer  
**Sent:** Friday, September 26, 2014 6:37 PM  
**To:** Markley, Michael; Sebrosky, Joseph; Lund, Louise; Wilson, George  
**Subject:** Diablo canyon

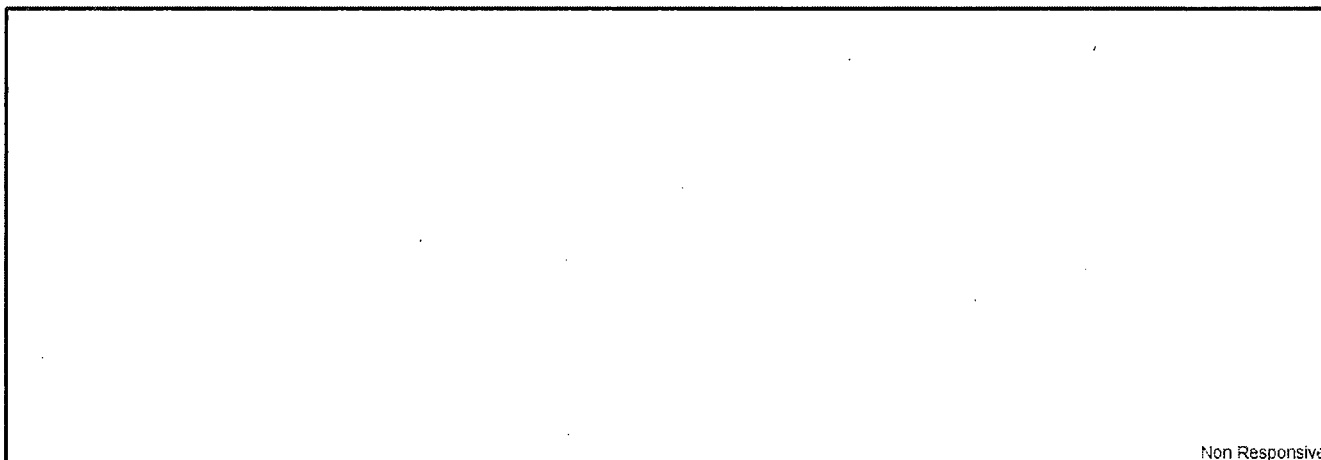
Hi guys. I meant to get an update on where we were with regard to our documenting our "analysis/review" of the information the licensee provided to the State. I know we cannot use the delta-CDF approach. I wanted to ensure that we are not over doing our review. If the seismic experts take a look at the information and do a review and conclude that little if any change in the hazard results from the new discovery of a lengthened shoreline fault, then they can document that. That would mean there is nothing that would make us change the date of the March submittal for the licensee's reevaluation. Is that where we are and has that been communicated to the seismic guys? Thanks, Jennifer

---

**From:** Sebrosky, Joseph  
**Sent:** Thursday, September 25, 2014 12:51 PM  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; John Stamatakis (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea; Harris, Brian; Vaidya, Bhalchandra; Klett, Audrey; Smith, Chris  
**Subject:** info: status of diablo operability review 9-25-14

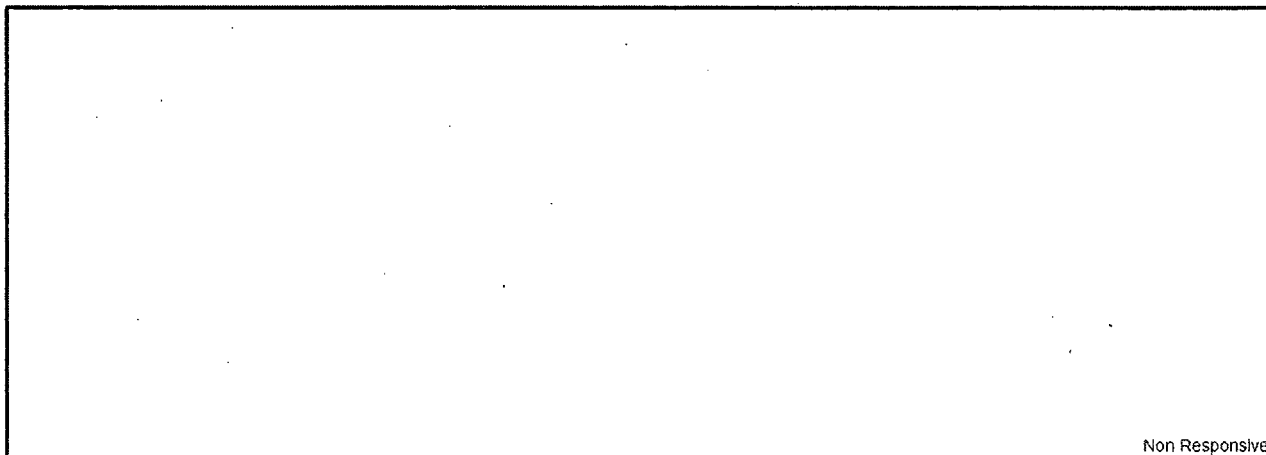
To all,

The purpose of this email is to provide you with updated status regarding the Diablo Canyon operability review. This email includes updates on the status of NRC inspection information requests and the assignment of additional headquarters PMs to help with the workload.



Non Responsive

- 3) *Provide the results of the calculations that were rerun based on the calculations used to support the resolution of the DPO (see description in DPO case file pdf page 62 of 164 at [ML14252A743](#) which discusses the scaling factors used in the March 2014 PG&E analysis). PG&E indicated that it did not believe that the analysis was needed to demonstrate operability. Nevertheless, PG&E was rerunning the analysis with the data from the 2014 State of California report.*



Non Responsive



Non Responsive

Please let me know if you have any questions.

Thanks,

Joe

Work assignment	PM(s)	Status – 9/25/14
Friends of the Earth (FOE) FOIA response	Eric Oesterle, Joe Sebrosky, Balwant Singal, Peter Bamford, and Bhalchandra Vaidya.	In process - staff collecting information
EPW congressional question response	Eric Oesterle and Joe Sebrosky	In process – target for providing draft to RIV 10/1/14

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Non Responsive

Support for response to FOE hearing request	Eric Oesterle, Joe Sebrosky	In process
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**From:** Manoly, Kamal  
**To:** Sebrosky, Joseph  
**Cc:** Hill, Brittain; Munson, Clifford; Li, Yong; Markley, Michael; Hiland, Patrick; Ross-Lee, MaryJane; Ake, Jon; Karas, Rebecca; Weaver, Thomas; John Stamatos; Whaley, Sheena; Young, Mitzi; OKeefe, Neil; Roth(OGC), David; Lupold, Timothy; Williams, Megan  
**Subject:** RE: info: status of diablo operability review 9-23-14  
**Date:** Wednesday, September 24, 2014 2:58:48 PM

---

Joe,

(b)(5)

Non Responsive

## Kamal Manoly

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**From:** Sebrosky, Joseph  
**Sent:** Tuesday, September 23, 2014 6:05 AM  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(OGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea; Young, Mitzi; Harris, Brian  
**Subject:** RE: info: status of diablo operability review 9-23-14

The rest of this string may be found as document C/39.

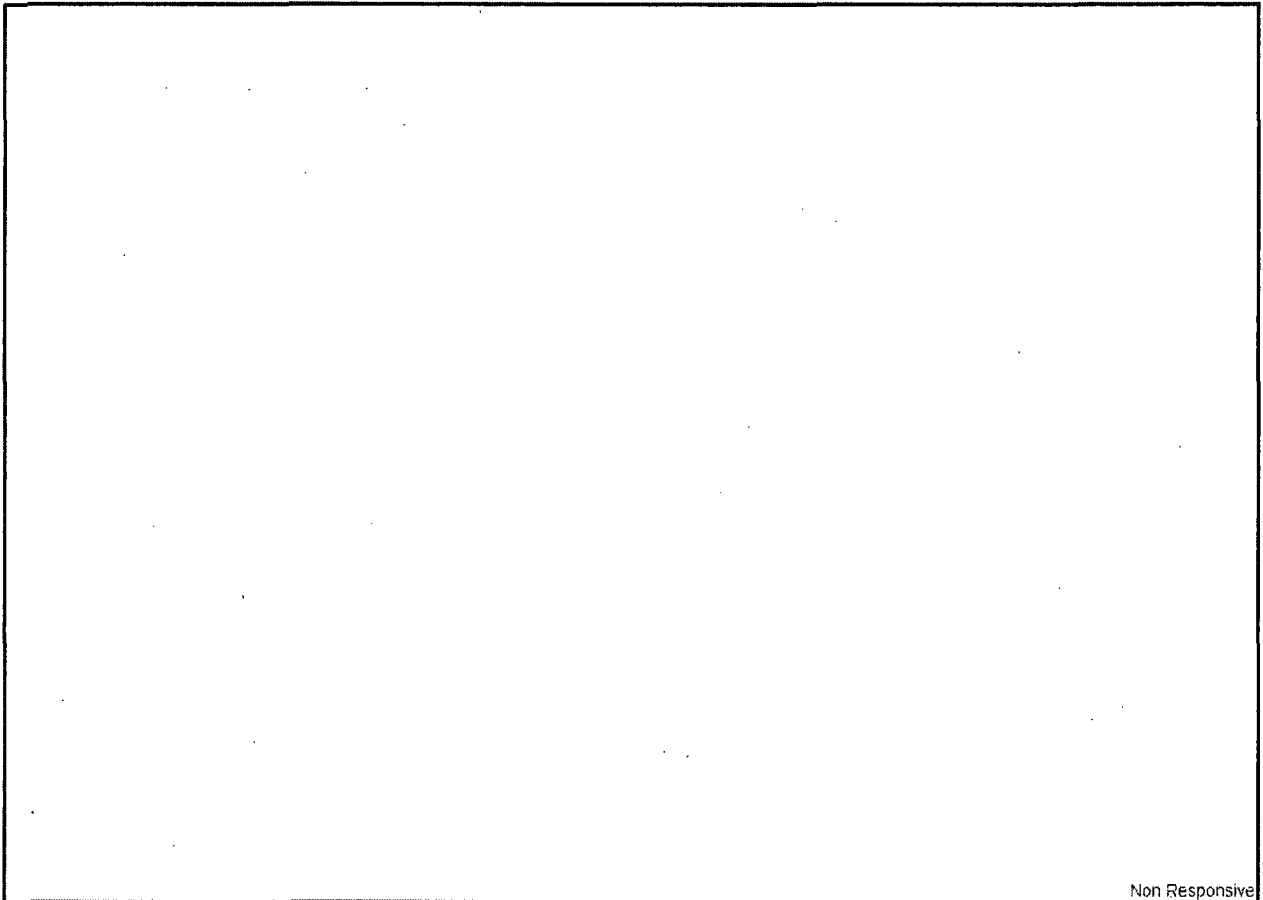
To all,

The purpose of this email is to provide you with the results of an inspection phone call with the licensee yesterday (9/22) regarding the Diablo Canyon operability review.

Non Responsive

**From:** Sebrosky, Joseph  
**To:** Hill, Brittain  
**Cc:** Alexander, Ryan; Walker, Wayne; Karas, Rebecca; Munson, Clifford; Ake, Jon; Li, Yong; Manoly, Kamal; Oesterle, Eric; Markley, Michael; Williams, Megan; Hipschman, Thomas  
**Subject:** question: status of Diablo DDE calcs associated with operability review 9-23-14  
**Date:** Tuesday, September 23, 2014 6:36:17 AM

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Non Responsive

Please let me know if I am missing something.

Thanks,

Joe

---

**From:** Hill, Brittain  
**Sent:** Tuesday, September 23, 2014 6:27 AM  
**To:** Sebrosky, Joseph  
**Subject:** RE: info: status of diablo operability review 9-23-14



Non Responsive

Thanks-

Britt

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**From:** Sebrosky, Joseph

**Sent:** Tuesday, September 23, 2014 6:05 AM

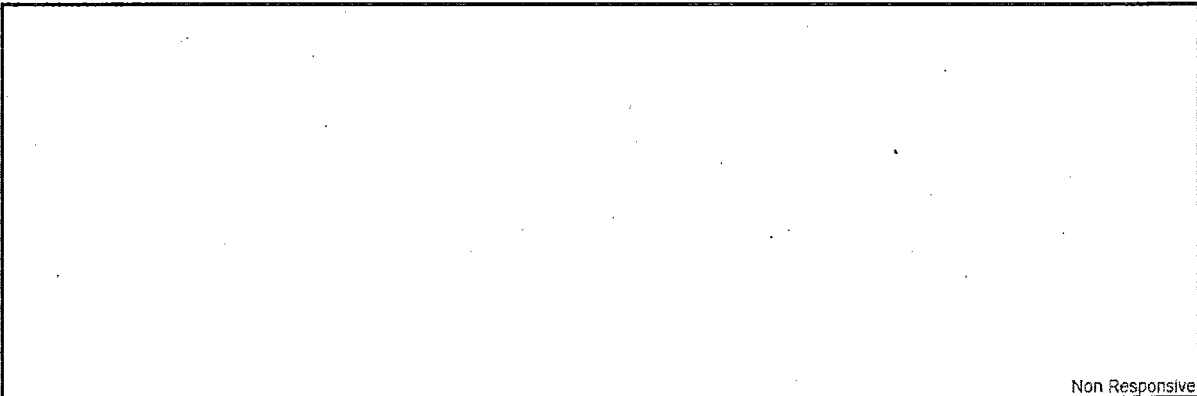
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(OGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; John Stamatakis ([jstam@swri.org](mailto:jstam@swri.org)); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea; Young, Mitzi; Harris, Brian

**Subject:** RE: info: status of diablo operability review 9-23-14

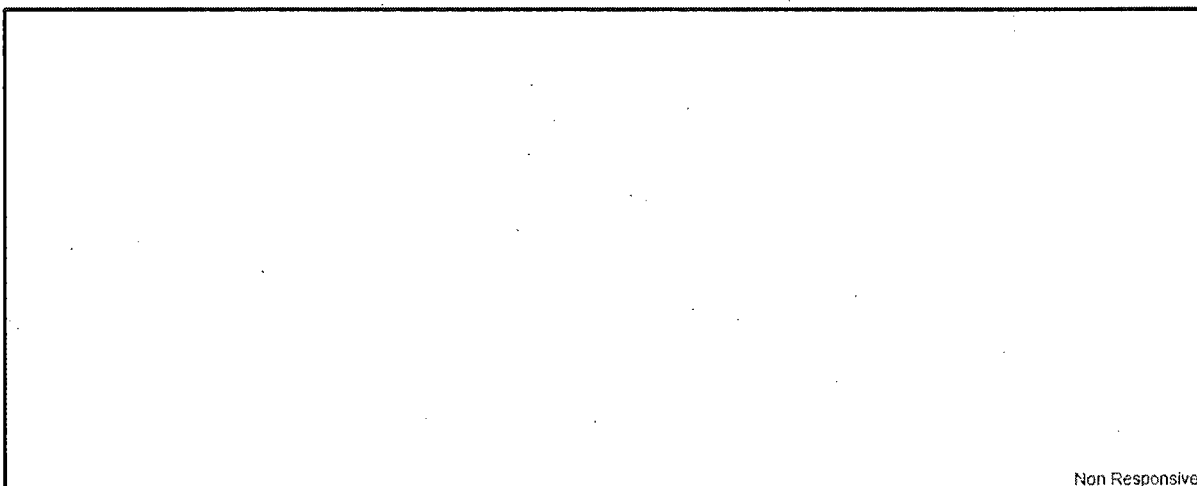
To all,

The purpose of this email is to provide you with the results of an inspection phone call with the licensee yesterday (9/22) regarding the Diablo Canyon operability review.

Yesterday (9/22) RIV led a call with the licensee to discuss information needs to support the Diablo Canyon operability review. The following two information needs were verbally discussed with the licensee:



During the call PG&E provided the following information:



- PG&E indicated that based on a question from RIV last Friday (9/19) it was rerunning the calculations used to support the resolution of the DPO (see description in DPO case file pdf page 62 of 164 at [ML14252A743](#) which discusses the scaling

factors used in the March 2014 PG&E analysis).

Non Responsive

Non Responsive

Please let me know if you have any questions.

Thanks,

Joe

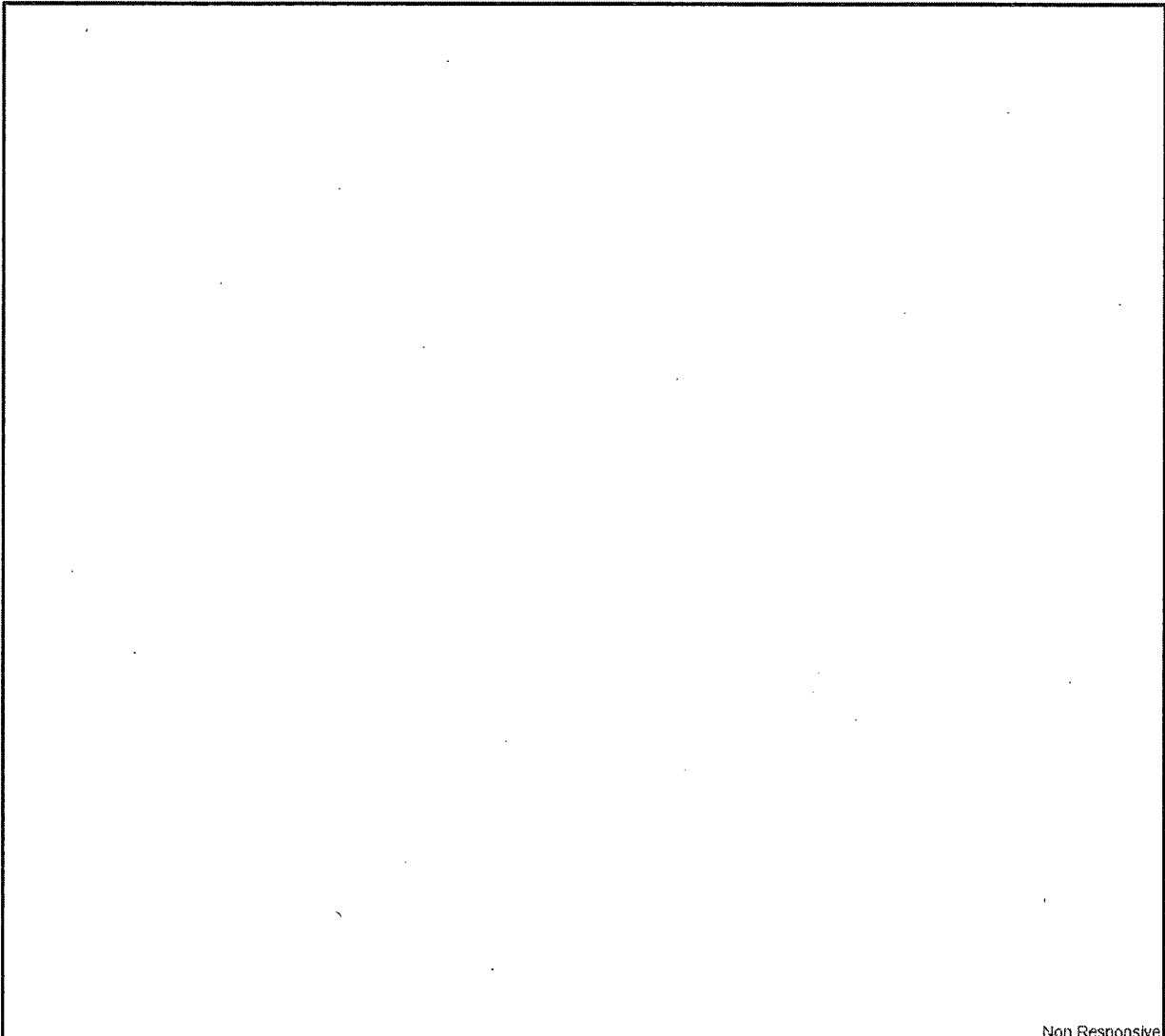
**From:** Sebrosky, Joseph  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(QGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; Bowers, Anthony; Alexander, Ryan; Hay, Michael; Pruett, Troy; Kock, Andrea; Young, Mitzi; Harris, Brian  
**Subject:** RE: info: status of diablo operability review 9-22-14  
**Date:** Monday, September 22, 2014 6:00:30 AM  
**Attachments:** PGF\_spectral\_comparison.pptx

The rest of this string may be found as document C/41.

To all,

The purpose of this email is to provide you with the latest status of the Diablo Canyon operability review. Based on discussions with the licensee on 9/18 and an internal meeting directly after that meeting, senior management was briefed on 9/19.

The agenda for the 9/19 meeting can be found below. The outcome of the meeting was as follows:



Non Responsive

Non Responsive

Thanks,

>>>>>>>agenda for 9/19 diablo senior management  
briefing>>>>>>>>>>>>>>>>>>

**Outcome:** Decision made on how to proceed

Non Responsive

Non Responsive

(b)(5)

(b)(5)

Non Responsive

Non Responsive

(b)(5)

(b)(5)



**From:** Stovall, Scott  
**To:** Graizer, Vladimir; Sebrosky, Joseph; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(OGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; HQ-OWFN-08B02-12p; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; HQ-OWFN-08B06-12p  
**Cc:** DE\_Calendar Resource  
**Subject:** RE: info: status of diablo operability review  
**Date:** Friday, September 19, 2014 9:34:24 AM

Non Responsive

Scott Stovall

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**From:** Graizer, Vladimir **Sent:** Friday, September 19, 2014 8:41 AM  
**To:** Sebrosky, Joseph; Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(OGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; HQ-OWFN-08B02-12p; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; HQ-OWFN-08B06-12p  
**Cc:** DE\_Calendar Resource  
**Subject:** RE: info: status of diablo operability review

Non Responsive

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**From:** Sebrosky, Joseph  
**Sent:** Friday, September 19, 2014 6:03 AM  
**To:** Stovall, Scott; Munson, Clifford; Williams, Megan; Li, Yong; Hipschman, Thomas; Walker, Wayne; Oesterle, Eric; Singal, Balwant; Markley, Michael; Jackson, Diane; DiFrancesco, Nicholas; Whaley, Sheena; Uselding, Lara; Ake, Jon; Burnell, Scott; OKeefe, Neil; Farnholtz, Thomas; Kanatas, Catherine; Roth(OGC), David; Manoly, Kamal; Reynoso, John; Hill, Brittain; Dudek, Michael; HQ-OWFN-08B02-12p; John Stamatakos (jstam@swri.org); Stirewalt, Gerry; Buchanan, Theresa; Weaver, Thomas; Karas, Rebecca; Graizer, Vladimir; Hiland, Patrick; Ross-Lee, MaryJane; Lupold, Timothy; Wilson, George; HQ-OWFN-08B06-12p  
**Cc:** DE\_Calendar Resource  
**Subject:** info: status of diablo operability review

To all,

The purpose of this email is to provide you with the status of the diablo operability review.

Non Responsive

Non Responsive

Senior Management Meeting Draft Agenda (subject to change)

**Purpose:** internal meeting with SES managers to discuss process going forward for Diablo Canyon operability determination associated with new seismic information in the State of California report

**Outcome:** Decision made on how to proceed

**Agenda:**

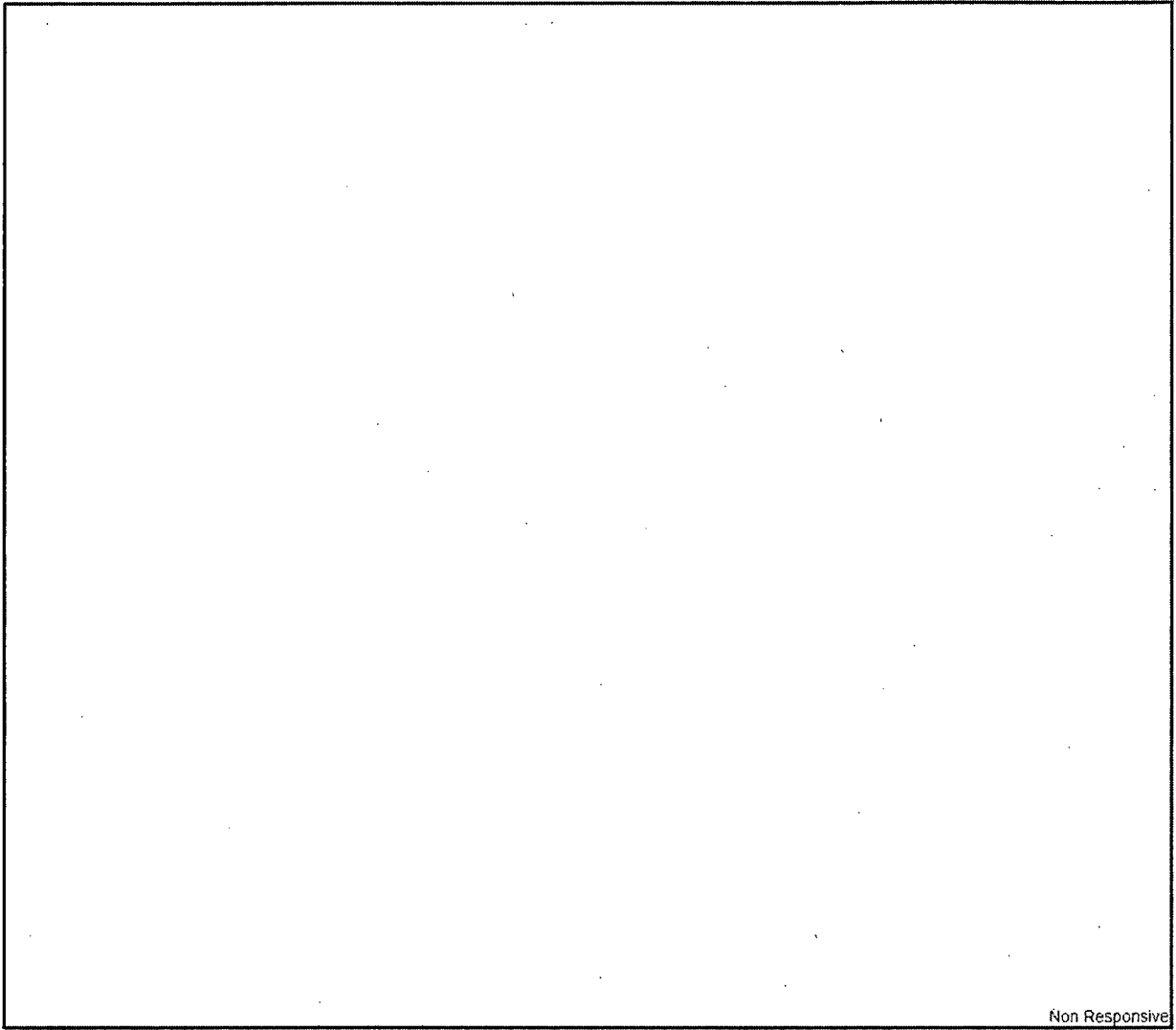
Non Responsive

Non Responsive

(b)(5)

(b)(5)

Non Responsive



Non Responsive

Non Responsive

Non Responsive

**From:** Stuchell, Sheldon  
**To:** Dudek, Michael  
**Cc:** Markley, Michael  
**Subject:** RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)  
**Date:** Thursday, September 25, 2014 1:52:40 PM

---

Understand. The ticket was assigned to DORL, DPR will support as needed. The only point I have to make, is that the request does not meet 2.206 requirements. Therefore, DPR is not involved.

-----Original Message-----

From: Dudek, Michael  
Sent: Thursday, September 25, 2014 1:17 PM  
To: Stuchell, Sheldon  
Cc: Markley, Michael  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Sheldon: The only way that you can close the ticket is to provide the justification to NRR's Mailroom and have them work (through the OEDO STARS System) to close it out. Unfortunately, with the new system, I cannot facilitate closing out a ticket any longer.

Also, FYI, the justification should be in paragraph form and answer all of the who, what, and why for the Chairman's Office.

Thanks!  
Michael I. Dudek

Michael I. Dudek | OEDO Executive Technical Assistant | U.S. NRC  
|: Michael.Dudek@nrc.gov | | (301) 415-6500 | BB: (b)(6)

-----Original Message-----

From: Stuchell, Sheldon  
Sent: Wednesday, September 24, 2014 5:59 PM  
To: Dudek, Michael; Markley, Michael  
Cc: Mohseni, Aby; Banic, Merrilee; Mensah, Tanya; Khanna, Meena; Singal, Balwant; Oesterle, Eric; Pedersen, Renee  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Mike & Mike,

I'd like to make sure this issue is closed, and any ticket assigned to NRR is closed. Any correspondence coming to the NRC can be considered as a 2.206 petition, if it meets the requirements of our MD and is determined to be an actual petition. In this case, the submittal does not meet the requirements to be a 2.206 petition, and should be considered general correspondence.

The e-mail chain below can be confusing, and I must point out that no single individual submitted this correspondence. It was not Mr. Peck. Mr. Peck, one of our Sr. Resident Inspector's, did in fact have a DPO about Diablo, but that DPO has been dispositioned. The submitter in this case was "change.org."

Therefore, there is no individual we can respond to.

I highly recommend this be closed with no further action. As noted in the ticket, staff is to respond "as appropriate." In this case, the appropriate response is no response to an organization.

If there are still questions as to how to close the issue, it should be worked out between Mike and Mike. This is not

C/42

a 2.206 petition and NRR/DPR is not involved.

Hope this helps,  
Sheldon

-----Original Message-----

From: Banic, Merrilee  
Sent: Wednesday, September 24, 2014 1:36 PM  
To: Stuchell, Sheldon  
Cc: Mensah, Tanya  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

A little background:

If change.org is basing its petition on M. Peck's, a Sr Resident's, DPO, the NRC resolved his DPO:  
<http://r1.nrc.gov/headlines/DiabloSafe.9-18-2014.pdf>

From: Stuchell, Sheldon  
Sent: Wednesday, September 24, 2014 12:34 PM  
To: Dudek, Michael; Mensah, Tanya; Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

All,

The easiest solution to this, is for the DORL PM to respond by e-mail to the submitter (he is not a petitioner) and let him know that we have received his general correspondence and thank him for his interest in nuclear safety. There is no need to expound or explain any further than that.

We receive numerous submittals all year long, that require nothing more than an acknowledgement.

Sheldon

From: Dudek, Michael  
Sent: Wednesday, September 24, 2014 12:25 PM  
To: Mensah, Tanya; Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee; Stuchell, Sheldon  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

All: As a result of the past e-mails, it now appears that we (the staff) have an action to contact the petitioner (Mr. Peck) to have him formally submit the petition in hard-copy to the NRC so that we have an official record of his concerns.

Question: Does the staff want to take this action, or should I try to go back through the Chairman's Office for this request since that is where action originated?

Please advise.

Michael I. Dudek  
Michael I. Dudek | OEDO Executive Technical Assistant | U.S. NRC  
•: Michael.Dudek@nrc.gov<<mailto:Michael.Dudek@nrc.gov>> | •: (301) 415-6500 | BB:

(b)(6)

From: Mensah, Tanya



The e-mail chain below can be confusing, and I must point out that no single individual submitted this correspondence. It was not Mr. Peck. Mr. Peck, one of our Sr. Resident Inspector's, did in fact have a DPO about Diablo, but that DPO has been dispositioned. The submitter in this case was "change.org."

Therefore, there is no individual we can respond to.

I highly recommend this be closed with no further action. As noted in the ticket, staff is to respond "as appropriate." In this case, the appropriate response is no response to an organization.

If there are still questions as to how to close the issue, it should be worked out between Mike and Mike. This is not a 2.206 petition and NRR/DPR is not involved.

Hope this helps,  
Sheldon

-----Original Message-----

From: Banic, Merrilee  
Sent: Wednesday, September 24, 2014 1:36 PM  
To: Stuchell, Sheldon  
Cc: Mensah, Tanya  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

A little background:  
If change.org is basing its petition on M. Peck's, a Sr Resident's, DPO, the NRC resolved his DPO:  
<http://r1.nrc.gov/headlines/DiabloSafe.9-18-2014.pdf>

From: Stuchell, Sheldon  
Sent: Wednesday, September 24, 2014 12:34 PM  
To: Dudek, Michael; Mensah, Tanya; Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

All,

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Sheldon

From: Dudek, Michael  
Sent: Wednesday, September 24, 2014 12:25 PM  
To: Mensah, Tanya; Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee; Stuchell, Sheldon  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

All: As a result of the past e-mails, it now appears that we (the staff) have an action to contact the petitioner (Mr. Peck) to have him formally submit the petition in hard-copy to the NRC so that we have an official record of his concerns.

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Please advise.

Michael I. Dudek  
Michael I. Dudek | OEDO Executive Technical Assistant | U.S. NRC  
•: Michael.Dudek@nrc.gov <<mailto:Michael.Dudek@nrc.gov>> | •: (301) 415-6500 | 88: (b)(6)

From: Mensah, Tanya  
Sent: Wednesday, September 24, 2014 11:24 AM  
To: Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee; Dudek, Michael; Stuchell, Sheldon  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

To expand on Lee's comment, in the past we've had several petitioners attempt to direct us to their personal websites or blogs to "download" 2.206 petitions and other supplemental materials. (b)(5)

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Members of the public often change their website links/blogs. Their URLs may not even exist in a year. So we need an official NRC record of the petitioner's concerns, which they have to submit in writing to the NRC. If the petitioner has videos or other electronic media to support their 2.206 petition, we advise them of the proper way to submit it. I think the DCD has guidance on the proper submission of electronic media to ensure that it is docketed.

Tanya

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Per our MD 8.11 "Section 2.206 requires that the petition be submitted in writing and provide the grounds for taking the proposed action...."

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Lawrence and Tim,

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Mike Markley

From: Dudek, Michael  
Sent: Tuesday, September 23, 2014 2:43 PM  
To: Markley, Michael  
Cc: Singal, Balwant; Oesterle, Eric  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

I went onto my iPhone and found it on the web site.

[cid:image001.jpg@01CFD800.6EB578A0]

Petitioning Nuclear Regulatory Commission  
Decommission the aging Diablo Canyon Nuclear Power Plant 1.  
[cid:image002.jpg@01CFD800.6EB578A0]<[https://www.change.org/organizations/uncommon\\_folk](https://www.change.org/organizations/uncommon_folk)>

2.

1. Petition by

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In light of the unfolding disaster at the Fukushima Daichii power plant, we the undersigned are asking that Governor Jerry Brown support us in demanding that the Diablo Canyon Plant be shut down until it can be properly earthquake tested and Michael Peck's charges of negligence be thoroughly investigated.

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<http://video.pbs.org/video/2056655205/>

MORE PETITIONS TO SIGN. THIS MOVEMENT IS GAINING MOMENTUM, THANKS TO ALL OF YOU.  
Please sign them all and PASS IT ON! Together we can do it->

(1) [http://action.foe.org/p/dia/action3/common/public/?action\\_KEY=16333](http://action.foe.org/p/dia/action3/common/public/?action_KEY=16333)

(2) [http://petitions.moveon.org/sign/nrc-shut-down-diablo?source=s.icn.tw&r\\_by=7595393](http://petitions.moveon.org/sign/nrc-shut-down-diablo?source=s.icn.tw&r_by=7595393)

(3) [http://act.credoaction.com/sign/diablo\\_canyon](http://act.credoaction.com/sign/diablo_canyon)

IMPORTANT TO THOSE LIVING IN NEAR DIABLO CANYON. RECENT STUDY INDICATES  
SIGNIFICANTLY HIGHER CANCER RATES IN RESIDENTS->

<http://calcoastnews.com/2014/03/high-cancer-rates-near-diablo-canyon-nuclear-plant/>

<http://www.helencaldicottfoundation.org/blogs/health-studies-explode-the-myth-of-the-'safe'-nuclear-power-plant.html><<http://www.helencaldicottfoundation.org/blogs/health-studies-explode-the-myth-of-the-'safe'-nuclear-power-plant.html>>

<http://worldbusiness.org/nuclear-power-health-impact-study/>

More information->

<http://worldbusiness.org/safe-energy-project/close-diablo-canyon-nuclear-power-plant/>

<http://worldbusiness.org/nuclear-regulators-hear-from-angry-public-on-diablo-canyon-plant/>

<http://www.sfgate.com/news/article/Earthquake-concerns-prompt-call-to-shut-nuclear-5711717.php>

<http://www.cbsnews.com/news/california-earthquake-expert-urges-nuclear-plant-closure-over-threat/>

<http://www.dailynews.com/general-news/20140825/diablo-canyon-nuclear-plant-should-be-closed-for-quake-testing-expert-says>

To:

Nuclear Regulatory Commission, Hubert T. Bell, Inspector General at the NRC Nuclear Regulatory Commission,  
Allison Macfarlane, Chariman of the NRC Sen. Barbara Boxer, California Gov. Jerry Brown, California  
Decommission Aging Diablo Canyon Nuclear Power Plant

Sincerely,  
[Your name]

Michael I. Dudek | OEDO Executive Technical Assistant | U.S. NRC

•: Michael.Dudek@nrc.gov<<mailto:Michael.Dudek@nrc.gov>> | •: (301) 415-6500 | BB:

(b)(6)

From: Markley, Michael

Sent: Tuesday, September 23, 2014 2:24 PM

To: Dudek, Michael

Cc: Singal, Balwant; Oesterle, Eric

Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Mike,

Can we go back to the Chairman's office to get a hard copy of the petition.? We are having no luck in accessing the document via the links.

Mike

From: Singal, Balwant

Sent: Tuesday, September 23, 2014 12:42 PM

To: Mensah, Tanya

Cc: Oesterle, Eric; Markley, Michael

Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Cathy was unable to help (could not open the file from the link in the file). She suggested contacting CSC. CSC

was on my desk yesterday, but were also unable to open the file. They believe there is a problem with the link. Hence, as of now we do not have a resolution and do not have a copy of the petition.

From: Mensah, Tanya  
Sent: Tuesday, September 23, 2014 11:57 AM  
To: Markley, Michael; Banic, Merrilee  
Cc: Singal, Balwant  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Any resolution on this? I typically email Cathy Jaegers for the incoming when we have problems accessing it via ADAMS. Looks like Balwant already submitted an email to her.

Just following up.

Tanya

From: Markley, Michael  
Sent: Monday, September 22, 2014 3:41 PM  
To: Banic, Merrilee; Mensah, Tanya  
Cc: Singal, Balwant  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Lee and Tanya,

We have not seen the actual petition but the OEDO tasking seems at hand.

Mike

From: Singal, Balwant  
Sent: Friday, September 19, 2014 2:26 PM  
To: Jaegers, Cathy  
Cc: Markley, Michael  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Cathy,

Can we get access to the actual petition please?

From: Markley, Michael  
Sent: Friday, September 19, 2014 12:47 PM  
To: Singal, Balwant  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Sorry, Balwant, I am not seeing an actual petition in any of these files. Just a lot of duplicate letters, a Susquehanna Security-related document, and an Army document. The links do not allow access to an actual petition and it is not in any of these ADAMS files.

From: Singal, Balwant  
Sent: Friday, September 19, 2014 12:33 PM  
To: Markley, Michael  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Yes. I was able to open it. It has reference to the following two ML numbers and I was able to get to the documents by clicking the link:

ML14245A494

ML14245A495 (Package)

Contains ML14246A484, ML14246A496, and ML14246A494).

Couple of documents are large (30-40 pages).

I can help on Monday if needed.

From: Markley, Michael  
Sent: Friday, September 19, 2014 12:11 PM  
To: Singal, Balwant; Oesterle, Eric  
Cc: RidsNrrMailCenter Resource; Jaegers, Cathy  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Balwant,

Can you get to the petition? I tried to open the link but it appears to require downloading software that is not supported on NRC systems.

Mike

From: Singal, Balwant  
Sent: Friday, September 19, 2014 10:20 AM  
To: Oesterle, Eric  
Cc: Markley, Michael  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

For your information please.

From: RidsNrrDorl Resource  
Sent: Friday, September 19, 2014 10:11 AM  
To: Singal, Balwant  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

From: RidsNrrMailCenter Resource  
Sent: Thursday, September 04, 2014 1:05 PM  
To: RidsNrrDorl Resource  
Cc: Cox, Linda  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

The following appropriate action on Request Decommissioning of the Aging Diablo Canyon Nuclear Power Plant has been assigned to DORL.

Please let me know if you plan to respond.

SECY would like this document released to the public in ADAMS. Please review and let me know if that is ok.

From: ADAMS p8\_icm\_service  
Sent: Wednesday, September 03, 2014 2:24 PM  
To: ICM\_STARS\_NRR; Dudek, Michael  
Subject: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

A new OEDO Ticket has been assigned to you by Jaegers, Cathy (cej) on 09/03/2014.

[<http://adamsicm.nrc.gov:9080/STARS/STARS.png>] <<https://adamsicm.nrc.gov/STARS>>

Last User Comment has been added to a Ticket by 09/03/2014 on 09/03/2014. The comment was -

09/03/2014

The Ticket information is below.

Ticket Info  
Activity Information

Case Number

LTR-14-0495-1-NRR

Status

New

Activity Type

LTR

EDO Due Date

SECY Due Date

Requested Due Date

Assigned Offices

NRR

Routing Copies to

Region IV | OGC

EDO Point of Contact

Dudek, Michael (mid)

Other Parties

Incoming ADAMS Accession

ML14245A494<<https://adamsxt.nrc.gov/WorkplaceXT/getContent?objectStoreName=Main%20Library&objectType=document&vsId=%7bCE392F21-1FBE-4027-A2AB-429858568D3A%7d>>

Date of Incoming

09/29/2014

Incoming ADAMS Package

ML14245A495<<https://adamsxt.nrc.gov/WorkplaceXT/getContent?objectStoreName=Main%20Library&objectType=document&vsId=%7b814EA5B0-3F37-45A1-9102-4E3394A9DCD1%7d>>

Frequency

Incoming Information

Originator

Keating M

Originator Organization

Citizens

Task

E-mail

Addressee Name

Macfarlane A M

Addressee Affiliation

NRC/Chairman

Incoming Received Date

09/02/2014

Subject

Request Decommissioning of the Aging Diablo Canyon Nuclear Power Plant

Description



Process Information

Special Instructions Type

Appropriate Action

Special Instructions

For Appropriate Action. Office/Region to determine if a response is needed. If response is appropriate, please be sure to include your response to the ADAMS Package and process accordingly. Copies should be sent to RidsEdoMailCenter and RidsSecyMailCenter. The incoming document needs to be made publicly available in ADAMS per SECY for immediate release. If this should not be made publicly available, please let us know ASAP.

Near Term Comment

Requested Action Type

Appropriate Action

Cross Reference Numbers

Signature Level

No Signature Required

OIG Recommend

OEDO Concurrence

OCM Concurrence

OCA Concurrence

From: Chen, Qiao-Lynn  
To: Markley, Michael  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)  
Date: Thursday, September 25, 2014 1:57:53 PM

---

FYI

-----Original Message-----

From: Walker(NRR), Sandra  
Sent: Thursday, September 25, 2014 1:57 PM  
To: Chen, Qiao-Lynn  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Hi Lynn,

The ticket has been closed in STARS. Since it was just an appropriate action I was able to access STARS and state that staff will not be responding.

Thanks,  
Sandra

-----Original Message-----

From: Chen, Qiao-Lynn  
Sent: Thursday, September 25, 2014 7:58 AM  
To: Walker(NRR), Sandra  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)  
Importance: High

Good Morning Sandra,  
Would you be able to help me with this answer.

Thank you!

-----Original Message-----

From: Burkhardt, Janet  
Sent: Thursday, September 25, 2014 7:52 AM  
To: Chen, Qiao-Lynn; Cox, Linda  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)  
Importance: High

Can either of you please respond to Mike? I have never heard of STARS and don't know how to advise him.

Jan

\*\*\*\*\*

-----Original Message-----

From: Markley, Michael  
Sent: Thursday, September 25, 2014 7:46 AM  
To: Burkhardt, Janet  
Cc: Orf, Tracy  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Jan,

Do I close a STARS ticket in the same manner as we request extensions for due dates.

Mike

-----Original Message-----

From: Stuchell, Sheldon  
Sent: Wednesday, September 24, 2014 5:59 PM  
To: Dudek, Michael; Markley, Michael  
Cc: Mohseni, Aby; Banic, Merrilee; Mensah, Tanya; Khanna, Meena; Singal, Balwant; Oesterle, Eric; Pedersen, Renee  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Mike & Mike,

I'd like to make sure this issue is closed, and any ticket assigned to NRR is closed. Any correspondence coming to the NRC can be considered as a 2.206 petition, if it meets the requirements of our MD and is determined to be an actual petition. In this case, the submittal does not meet the requirements to be a 2.206 petition, and should be considered general correspondence.

C/43

The e-mail chain below can be confusing, and I must point out that no single individual submitted this correspondence. It was not Mr. Peck. Mr. Peck, one of our Sr. Resident Inspector's, did in fact have a DPO about Diablo, but that DPO has been dispositioned. The submitter in this case was "change.org."

Therefore, there is no individual we can respond to.

I highly recommend this be closed with no further action. As noted in the ticket, staff is to respond "as appropriate." In this case, the appropriate response is no response to an organization.

If there are still questions as to how to close the issue, it should be worked out between Mike and Mike. This is not a 2.206 petition and NRR/DPR is not involved.

Hope this helps,  
Sheldon

-----Original Message-----

From: Banic, Merrilee  
Sent: Wednesday, September 24, 2014 1:36 PM  
To: Stuchell, Sheldon  
Cc: Mensah, Tanya  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

A little background:  
If change.org is basing its petition on M. Peck's, a Sr Resident's, DPO, the NRC resolved his DPO:  
<http://r1.nrc.gov/headlines/DiabloSafe-9-18-2014.pdf>

From: Stuchell, Sheldon  
Sent: Wednesday, September 24, 2014 12:34 PM  
To: Dudek, Michael; Mensah, Tanya; Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

All,

The easiest solution to this, is for the DORL PM to respond by e-mail to the submitter (he is not a petitioner) and let him know that we have received his general correspondence and thank him for his interest in nuclear safety. There is no need to expound or explain any further than that.

We receive numerous submittals all year long, that require nothing more than an acknowledgement.

Sheldon

From: Dudek, Michael  
Sent: Wednesday, September 24, 2014 12:25 PM  
To: Mensah, Tanya; Banic, Merrilee; Markley, Michael; Kokajko, Lawrence; Khanna, Meena  
Cc: Singal, Balwant; Oesterle, Eric; Pedersen, Renee; Stuchell, Sheldon  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

All: As a result of the past e-mails, it now appears that we (the staff) have an action to contact the petitioner (Mr. Peck) to have him formally submit the petition in hard-copy to the NRC so that we have an official record of his concerns.

Question: Does the staff want to take this action, or should I try to go back through the Chairman's Office for this request since that is where is action originated?

Please advise.

Michael I. Dudek  
Michael I. Dudek | OEDO Executive Technical Assistant | U.S. NRC  
•: Michael.Dudek@nrc.gov <<mailto:Michael.Dudek@nrc.gov>> | •: (301) 415-6500 | BB: (b)(5)

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Cc: Singal, Balwant; Oesterle, Eric; Mensah, Tanya; Banic, Merrilee; Pedersen, Renee; Dudek, Michael  
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Decommission the aging Diablo Canyon Nuclear Power Plant 1.  
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2.

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(1) [http://action.foe.org/p/dia/action3/common/public/?action\\_KEY=16333](http://action.foe.org/p/dia/action3/common/public/?action_KEY=16333)

(2) [http://petitions.moveon.org/sign/nrc-shut-down-diablo?source=s.icn.tw&r\\_by=7595393](http://petitions.moveon.org/sign/nrc-shut-down-diablo?source=s.icn.tw&r_by=7595393)

(3) [http://act.credoaction.com/sign/diablo\\_canyon](http://act.credoaction.com/sign/diablo_canyon)

IMPORTANT TO THOSE LIVING IN NEAR DIABLO CANYON. RECENT STUDY INDICATES SIGNIFICANTLY HIGHER CANCER RATES IN RESIDENTS->

<http://calcoastnews.com/2014/03/high-cancer-rates-near-diablo-canyon-nuclear-plant/>

<http://www.helencaldicottfoundation.org/blogs/health-studies-explode-the-myth-of-the-'safe'-nuclear-power-plant.html> <<http://www.helencaldicottfoundation.org/blogs/health-studies-explode-the-myth-of-the-'safe'-nuclear-power-plant.html>>

<http://worldbusiness.org/nuclear-power-health-impact-study/>

More information->

<http://worldbusiness.org/safe-energy-project/close-diablo-canyon-nuclear-power-plant/>

<http://worldbusiness.org/nuclear-regulators-hear-from-angry-public-on-diablo-canyon-plant/>

<http://www.sfgate.com/news/article/Earthquake-concerns-prompt-call-to-shut-nuclear-5711717.php>

<http://www.cbsnews.com/news/california-earthquake-expert-urges-nuclear-plant-closure-over-threat/>

<http://www.dailynews.com/general-news/20140825/diablo-canyon-nuclear-plant-should-be-closed-for-quake-testing-expert-says>

To:

Nuclear Regulatory Commission, Hubert T. Bell, Inspector General at the NRC Nuclear Regulatory Commission, Allison Macfarlane, Chairman of the NRC Sen. Barbara Boxer, California Gov. Jerry Brown, California Decommission Aging Diablo Canyon Nuclear Power Plant

Sincerely,  
[Your name]

Michael I. Dudek | OEDO Executive Technical Assistant | U.S. NRC

•: Michael.Dudek@nrc.gov <<mailto:Michael.Dudek@nrc.gov>> | •: (301) 415-6500 | BB

(b)(6)

From: Markley, Michael

Sent: Tuesday, September 23, 2014 2:24 PM

To: Dudek, Michael

Cc: Singal, Balwant; Oesterle, Eric

Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Mike,

Can we go back to the Chairman's office to get a hard copy of the petition.? We are having no luck in accessing the document via the links.

Mike

From: Singal, Balwant  
Sent: Tuesday, September 23, 2014 12:42 PM  
To: Mensah, Tanya  
Cc: Oesterle, Eric; Markley, Michael  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Cathy was unable to help (could not open the file from the link in the file). She suggested contacting CSC. CSC was on my desk yesterday, but were also unable to open the file. They believe there is a problem with the link. Hence, as of now we do not have a resolution and do not have a copy of the petition.

From: Mensah, Tanya  
Sent: Tuesday, September 23, 2014 11:57 AM  
To: Markley, Michael; Banic, Merrilee  
Cc: Singal, Balwant  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Any resolution on this? I typically email Cathy Jaegers for the incoming when we have problems accessing it via ADAMS. Looks like Balwant already submitted an email to her.

Just following up.

Tanya

From: Markley, Michael  
Sent: Monday, September 22, 2014 3:41 PM  
To: Banic, Merrilee; Mensah, Tanya  
Cc: Singal, Balwant  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Lee and Tanya,

We have not seen the actual petition but the OEDO tasking seems at hand.

Mike

From: Singal, Balwant  
Sent: Friday, September 19, 2014 2:26 PM  
To: Jaegers, Cathy  
Cc: Markley, Michael  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Cathy,

Can we get access to the actual petition please?

From: Markley, Michael  
Sent: Friday, September 19, 2014 12:47 PM  
To: Singal, Balwant  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Sorry, Balwant, I am not seeing an actual petition in any of these files. Just a lot of duplicate letters, a Susquehanna Security-related document, and an Army document. The links do not allow access to an actual petition and it is not in any of these ADAMS files.

From: Singal, Balwant  
Sent: Friday, September 19, 2014 12:33 PM  
To: Markley, Michael  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Yes. I was able to open it. It has reference to the following two ML numbers and I was able to get to the documents by clicking the link:

ML14245A494

ML14245A495 (Package)

Contains ML14246A484, ML14246A496, and ML14246A494).

Couple of documents are large (30-40 pages).

I can help on Monday if needed.

From: Markley, Michael  
Sent: Friday, September 19, 2014 12:11 PM  
To: Singal, Balwant; Oesterle, Eric  
Cc: RidsNrrMailCenter Resource; Jaegers, Cathy  
Subject: RE: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

Balwant,

Can you get to the petition? I tried to open the link but it appears to require downloading software that is not supported on NRC systems.

Mike

From: Singal, Balwant  
Sent: Friday, September 19, 2014 10:20 AM  
To: Oesterle, Eric  
Cc: Markley, Michael  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

For your information please.

From: RidsNrrDori Resource  
Sent: Friday, September 19, 2014 10:11 AM  
To: Singal, Balwant  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

From: RidsNrrMailCenter Resource  
Sent: Thursday, September 04, 2014 1:05 PM  
To: RidsNrrDori Resource  
Cc: Cox, Linda  
Subject: FW: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

The following appropriate action on Request Decommissioning of the Aging Diablo Canyon Nuclear Power Plant has been assigned to DORL.

Please let me know if you plan to respond.

SECY would like this document released to the public in ADAMS. Please review and let me know if that is ok.

From: ADAMS p8\_icm\_service  
Sent: Wednesday, September 03, 2014 2:24 PM  
To: ICM\_STARS\_NRR; Dudek, Michael  
Subject: STARS OEDO Office Notification (LTR-14-0495-1-NRR)

A new OEDO Ticket has been assigned to you by Jaegers, Cathy (cej) on 09/03/2014.

[<http://adamsicm.nrc.gov:9080/STARS/STARS.png>] <<https://adamsicm.nrc.gov/STARS>>

Last User Comment has been added to a Ticket by 09/03/2014 on 09/03/2014. The comment was -  
09/03/2014

The Ticket information is below.

Ticket Info  
Activity Information

Case Number

LTR-14-0495-1-NRR

Status

New

Activity Type

LTR

EDO Due Date

SECY Due Date

Requested Due Date

Assigned Offices

NRR

Routing Copies to

Region IV | OGC

EDO Point of Contact

Dudek, Michael (mid)

Other Parties

Incoming ADAMS Accession

ML14245A494<<https://adamsxt.nrc.gov/WorkplaceXT/getContent?objectStoreName=Main%20Library&objectType=document&vsId=%7bCF392F21-1FBE-4027-A2AB-429858568D3A%7d>>

Date of Incoming

09/29/2014

Incoming ADAMS Package

ML14245A495<<https://adamsxt.nrc.gov/WorkplaceXT/getContent?objectStoreName=Main%20Library&objectType=document&vsId=%7b814EA5B0-3F37-45A1-9102-4E3394A9DCD1%7d>>

Frequency

Incoming Information

Originator

Keating M

Originator Organization

Citizens

Task

E-mail

Addressee Name

Macfarlane A M



Addressee Affiliation

NRC/Chairman

Incoming Received Date

09/02/2014

Subject

Request Decommissioning of the Aging Diablo Canyon Nuclear Power Plant

Description

Process Information

Special Instructions Type

Appropriate Action

Special Instructions

For Appropriate Action. Office/Region to determine if a response is needed. If response is appropriate, please be sure to include your response to the ADAMS Package and process accordingly. Copies should be sent to RidsEdoMailCenter and RidsSecyMailCenter. The incoming document needs to be made publicly available in ADAMS per SECY for immediate release. If this should not be made publicly available, please let us know ASAP.

Near Term Comment

Requested Action Type

Appropriate Action

Cross Reference Numbers

Signature Level

No Signature Required

OIG Recommend

OEDO Concurrence

OCM Concurrence

OCA Concurrence

## Wertz, Trent

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**From:** Leeds, Eric  
**Sent:** Thursday, May 29, 2014 12:43 AM  
**To:** Dapas, Marc  
**Cc:** Johnson, Michael; Uhle, Jennifer; Wertz, Trent  
**Subject:** Re: Follow up from our meeting with the Mothers for Peace last Tuesday afternoon

Thanks Marc. I think you've done all you can. I'm sure my decision will elicit feedback. I've chosen to focus on the safety aspect of the issue and will be rather short and direct in stark contrast to the DPO submittal, as well as the work done by the DPO panel. At the least, it should be understandable to all.

Eric

**From:** Dapas, Marc  
**Sent:** Wednesday, May 28, 2014 09:10 PM  
**To:** Leeds, Eric  
**Cc:** Johnson, Michael; Krsek, Robert  
**Subject:** FW: Follow up from our meeting with the Mothers for Peace last Tuesday afternoon

In follow up to our discussion last week Eric, I am forwarding this to you so that you are aware of my communication with Jane Swanson of the Mothers for Peace on the subject matter. Thanks.

**From:** Dapas, Marc  
**Sent:** Wednesday, May 28, 2014 8:08 PM  
**To:** [REDACTED] (b)(6)  
**Subject:** Follow up from our meeting with the Mothers for Peace last Tuesday afternoon

Jane, I much appreciate the opportunity we had to meet with you and the other members of your Mothers' Board last week. I thought the discussion was mutually beneficial in terms of providing me with a perspective on the various issues/concerns you and your fellow board members have with respect to operation of the Diablo Canyon plant and affording us the chance to answer your questions.

Since the Differing Professional Opinion (DPO) filed by Mr. Peck was the subject of some of our discussion, I wanted to follow up with you on the current status of the DPO process. Eric Leeds, who is the Director of our Office of Nuclear Reactor Regulation, will be signing out the DPO decision tomorrow. The DPO panel, which is comprised of three independent staff members who have not previously worked on the seismic issues at Diablo Canyon (and one of which had been recommended by the DPO submitter), forwarded to Mr. Leeds the results of the panel's review of the DPO. Mr. Leeds has reviewed the panel's recommendation and supporting basis and is ready to make his decision on the DPO. Once Mr. Leeds issues his DPO decision, we will notify the DPO submitter (in this case, Mr. Peck) of his right to appeal the decision to our Executive Director for Operations (Mark Satorius) and will remind him of our policy not to release pre-decisional information. The DPO decision is considered pre-decisional if the DPO submitter decides to appeal the decision to the EDO since in that circumstance, the EDO has to review the case and make a final agency determination regarding the appeal. If Mr. Peck decides not to appeal the DPO decision, the DPO process is complete, and therefore, if Mr. Peck asked us to make his DPO public, we would honor his request. Should Mr. Peck appeal the DPO decision, once the EDO has rendered a decision on the appeal, the DPO process would be complete and we would make the DPO public upon Mr. Peck's request for us to do so.

I hope you find this responsive to my commitment to keep you informed of where we are in the process with respect to Mr. Peck's DPO submittal. Thanks and please let me know if you have any questions.

## **Burnell, Scott**

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**From:** Burnell, Scott  
**Sent:** Wednesday, September 03, 2014 9:14 AM  
**To:** McIntyre, David; Brenner, Eliot; Harrington, Holly  
**Subject:** Re: Chairman brief on Diablo

I can call in, of course, but if we prefer in-person then it's obviously Dave.

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

----- Original Message -----

**From:** McIntyre, David  
**Sent:** Wednesday, September 03, 2014 09:01 AM  
**To:** Burnell, Scott; Brenner, Eliot; Harrington, Holly  
**Subject:** RE: Chairman brief on Diablo

Per the morning meeting, this meeting has now been moved to THURSDAY at 11 am.

-----Original Message-----

**From:** Burnell, Scott  
**Sent:** Wednesday, September 03, 2014 6:16 AM  
**To:** Brenner, Eliot; Harrington, Holly; McIntyre, David  
**Subject:** RE: Chairman brief on Diablo

I've dealt with the Diablo seismic issues for years. Both Dave and I are working on the foreign ownership paper, for whatever that's worth.

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**From:** Brenner, Eliot  
**Sent:** Wednesday, September 03, 2014 12:16 AM  
**To:** Harrington, Holly; McIntyre, David; Burnell, Scott  
**Subject:** Re: Chairman brief on Diablo

I think dave because this is a long running operating issue.

----- Original Message -----

**From:** Harrington, Holly  
**Sent:** Tuesday, September 02, 2014 10:01 PM  
**To:** Brenner, Eliot; McIntyre, David; Burnell, Scott  
**Subject:** FW: Chairman brief on Diablo

Ok, the one we're invited to is this Friday from 3 to 3:45. Who is best to represent OPA?

Holly Harrington

Senior Level Advisor  
Office of Public Affairs  
U.S. Nuclear Regulatory Commission

301.415.8203

-----Original Message-----

From: Burnell, Scott  
Sent: Tuesday, September 02, 2014 3:20 PM  
To: Harrington, Holly; McIntyre, David; Uselding, Lara; Brenner, Eliot  
Subject: RE: Chairman brief on Diablo

Understood.

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From: Harrington, Holly  
Sent: Tuesday, September 02, 2014 3:17 PM  
To: Burnell, Scott; McIntyre, David; Uselding, Lara; Brenner, Eliot  
Subject: RE: Chairman brief on Diablo

Thursday's meeting is the one we're not invited to. The one we are is yet unscheduled

Holly Harrington

Senior Level Advisor  
Office of Public Affairs  
U.S. Nuclear Regulatory Commission

301.415.8203

-----Original Message-----

From: Burnell, Scott  
Sent: Tuesday, September 02, 2014 3:09 PM  
To: McIntyre, David; Harrington, Holly; Uselding, Lara; Brenner, Eliot  
Subject: RE: Chairman brief on Diablo

I can certainly call in to the separate meeting if it's Thursday -- both Dave and I have kept an eye on the foreign ownership issue.

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From: McIntyre, David  
Sent: Tuesday, September 02, 2014 3:03 PM  
To: Harrington, Holly; Uselding, Lara; Brenner, Eliot  
Cc: Burnell, Scott  
Subject: RE: Chairman brief on Diablo

Sounds like a fun day.

-----Original Message-----

From: Harrington, Holly  
Sent: Tuesday, September 02, 2014 2:54 PM  
To: Uselding, Lara; Brenner, Eliot  
Cc: McIntyre, David; Burnell, Scott  
Subject: RE: Chairman brief on Diablo

From Jen: It's my understanding that Thursday's meeting is going to deal with the technical issues associated with the Shoreline fault and an update of what's going on with the DPO, and that Phil has requested a separate meeting (as yet unscheduled) to address messaging on Diablo and the foreign ownership issue - to which he's asked that OPA, OCA, and assorted others be invited.

Holly Harrington

Senior Level Advisor  
Office of Public Affairs  
U.S. Nuclear Regulatory Commission

301.415.8203

-----Original Message-----

From: Uselding, Lara  
Sent: Tuesday, September 02, 2014 2:07 PM  
To: Brenner, Eliot; Harrington, Holly  
Subject: Chairman brief on Diablo

Hello: I left a voicemail for Scott as I heard from a RIV staffer that the Chairman wants a brief on all things Diablo this Thursday. Do you know about this and if so, will someone from HQ OPA sit in on that?  
Lara

-----Original Message-----

From: Burnell, Scott  
Sent: Tuesday, September 02, 2014 1:03 PM  
To: Uselding, Lara  
Subject: I'm out today and tomorrow

Sorry, should have updated my voicemail. Haven't heard anything about a chairman brief. Check w/Holly?

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

**Burnell, Scott**

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**From:** Burnell, Scott  
**Sent:** Wednesday, September 10, 2014 8:34 AM  
**To:** Brenner, Eliot; McIntyre, David; Harrington, Holly; Uselding, Lara; Dricks, Victor  
**Cc:** Oesterle, Eric  
**Subject:** DPO comm plan

I'm told by reliable sources that NRR is updating the plan to account for the EDO decision and we'll see it this morning.

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

## **Burnell, Scott**

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**From:** Burnell, Scott  
**Sent:** Wednesday, September 10, 2014 9:45 AM  
**To:** McIntyre, David; Uselding, Lara; Brenner, Eliot; Harrington, Holly  
**Subject:** Re: Diablo DPO IS public in ADAMS

Yes, I agree.

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

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**From:** McIntyre, David  
**Sent:** Wednesday, September 10, 2014 09:42 AM  
**To:** Burnell, Scott; Uselding, Lara; Brenner, Eliot; Harrington, Holly  
**Subject:** RE: Diablo DPO IS public in ADAMS

But it IS public as of yesterday. They just won't be able to find it via our nrc.gov website until later today.

---

**From:** Burnell, Scott  
**Sent:** Wednesday, September 10, 2014 9:42 AM  
**To:** McIntyre, David; Uselding, Lara; Brenner, Eliot; Harrington, Holly  
**Subject:** Re: Diablo DPO IS public in ADAMS

I would imagine someone's given ADAMS staff a nudge to immediately replicate it to the public site.

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

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**From:** McIntyre, David  
**Sent:** Wednesday, September 10, 2014 09:39 AM  
**To:** Uselding, Lara; Brenner, Eliot; Harrington, Holly; Burnell, Scott  
**Subject:** Diablo DPO IS public in ADAMS

Lara, et al – The DPO is public in Adams at ML14252A743. It was dated yesterday (9/9) and date to be released is yesterday (9/9). It does not yet come up in web-based Adams, which has a 1-day delay; however, anyone who has direct adams access can already find it. (eg., Platts, I imagine)

**Burnell, Scott**

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**From:** Burnell, Scott  
**Sent:** Wednesday, September 10, 2014 11:39 AM  
**To:** Uselding, Lara; Sebrosky, Joseph  
**Subject:** RE: Scott/Joe ; review of blog prior to sending to Eliot  
**Attachments:** SEP2014blogAB1632\_srb.docx

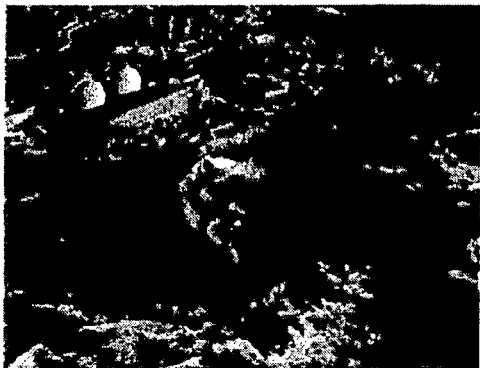
Here are my edits.

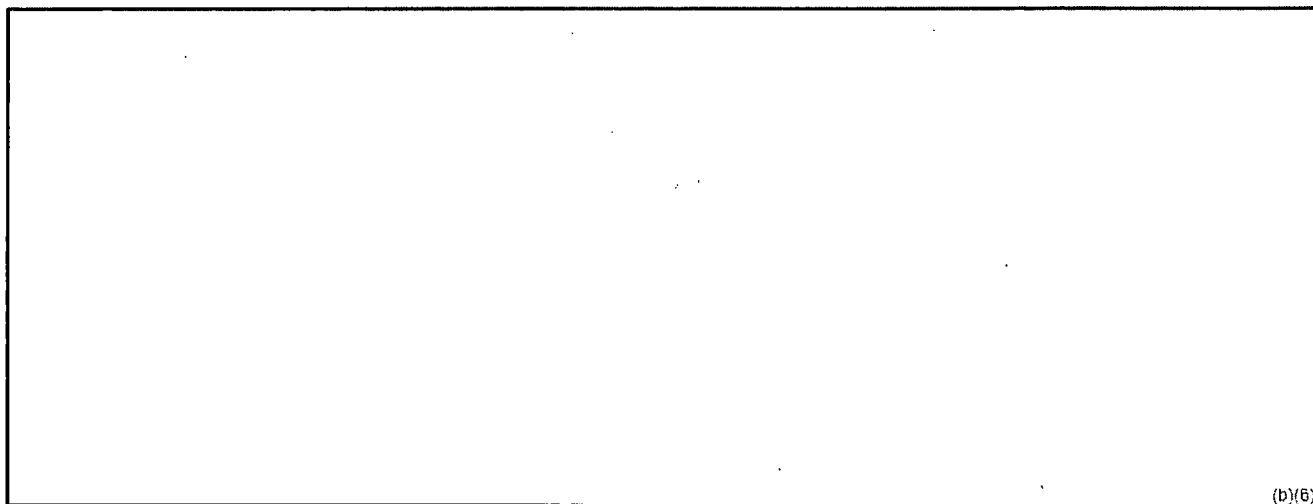
---

**From:** Uselding, Lara  
**Sent:** Wednesday, September 10, 2014 11:03 AM  
**To:** Burnell, Scott; Sebrosky, Joseph  
**Subject:** Scott/Joe ; review of blog prior to sending to Eliot  
**Importance:** High



## Diablo Canyon In the News





(b)(6)

**Burnell, Scott**

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**From:** Burnell, Scott  
**Sent:** Wednesday, September 10, 2014 4:52 PM  
**To:** Uselding, Lara; OPA Resource; Dricks, Victor  
**Subject:** Re: Diablo Canyon nuclear plant decision?

Thanks.

Sent from an NRC Blackberry  
Scott Burnell

(b)(6)

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**From:** Uselding, Lara  
**Sent:** Wednesday, September 10, 2014 04:51 PM  
**To:** Burnell, Scott; OPA Resource; Dricks, Victor  
**Subject:** RE: Diablo Canyon nuclear plant decision?

Yes. I took care of this

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**From:** Burnell, Scott  
**Sent:** Wednesday, September 10, 2014 3:17 PM  
**To:** OPA Resource; Uselding, Lara; Dricks, Victor  
**Subject:** RE: Diablo Canyon nuclear plant decision?

Lara's handling these requests.

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**From:** OPA Resource  
**Sent:** Wednesday, September 10, 2014 4:16 PM  
**To:** Burnell, Scott  
**Subject:** FW: Diablo Canyon nuclear plant decision?

Scott,

Can you please help with the below email.

Thanks.

Office of Public Affairs  
U.S. Nuclear Regulatory Commission  
(301) 415-8200  
[opa.resource@nrc.gov](mailto:opa.resource@nrc.gov)

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**From:** Raab, Lauren [<mailto:Lauren.Raab@latimes.com>]  
**Sent:** Wednesday, September 10, 2014 4:03 PM  
**To:** OPA Resource  
**Subject:** Diablo Canyon nuclear plant decision?

Can you confirm reports that an NRC official has rejected a call to shut down Diablo Canyon, California's last remaining nuclear power plant, until it can be determined whether the facility can stand up to an earthquake off the Central Coast?

I'd appreciate any details and/or documents you can provide.

In case it helps you route the question to the right person, the Associated Press is saying this:

A top Nuclear Regulatory Commission official has rejected a federal expert's recommendation to shut down California's last operating nuclear power plant until it can determine whether its reactors can withstand powerful shaking from nearby earthquake faults.

In a decision released Wednesday, operations executive Mark Satorius said there is no immediate or significant safety concern at the Diablo Canyon plant.

Thank you very much.

Lauren Raab

Los Angeles Times

Work: (213) 237-6090

Cell: (b)(6)

Twitter: [@raablauren](https://twitter.com/raablauren)