

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION
OFFICE OF THE SECRETARY

ATOMIC SAFETY AND LICENSING BOARD

Before Administrative Judges:
E. Roy Hawkens, Chair
Dr. Paul B. Abramson
Dr. Anthony J. Baratta

In the Matter of)	
)	Docket No. 50-0219-LR
AMERGEN ENERGY COMPANY, LLC)	
)	ASLB No. 06-844-01-LR
(License Renewal for the Oyster Creek)	
Nuclear Generating Station))	April 3, 2006

Citizens' Response to 10 C.F.R. § 2.336(a)(2) & (3)

This document provides the response required by Citizens limited by the terms of the agreement between Staff, AmerGen and the Citizens, memorialized by the letter of March 22, 2006, from A. Polonsky to the ASLB. All documents listed are in the possession of NIRS. Citizens make a blanket disclosure that they are in possession of all relevant documents that have been submitted to the ASLB by any party in this matter. Only a subset of such documents is included in this disclosure.

Response to 10 C.F.R. § 2.336(a)(2) – Publicly Available Documents

Title: NRC Preliminary Notice of Event or Unusual Occurrence, PNO-I-86-94, Apparent Drywell Wall Corrosion
Document Date: 11/26/1986

Title: NRC Information Notice No. 86-99: Degradation of Steel Containments
Document Date: 12/08/1986 (PETITIONERS' EXHIBIT 1)

Title: GPU Nuclear Letter to NRC John Zwolinski, Oyster Creek Drywell Containment, discusses 12/01/1986 and 12/10/1986 GPUN meeting with staff

Title: GPU Nuclear Technical Functions, Safety/Environmental Determination and 50.59 Review, Drywell Steel Shell Plate Thickness Reduction at the Base Sand Cushion Entrenchment Region, SE No. 000243-002, (missing page 3 of 18) with Attachments 1 and 2.

Document Date: 12/22/1986 provided to NRC PDR

Title: GPU Nuclear Installation Specification for Oyster Creek, Functional Requirements for Drywell Containment Vessel Thickness Examination (IS-328227-004), Rev. 8, establishes minimum requirements for UT examination drywell wall thickness measurements.

Document Date: 02/19/1987

Title: GPU Nuclear Statistical Analysis of Drywell Thickness Data establishes that when additional measurements are made at these exact locations including the sandbed, more rigorous statistical analyses can be employed.

Document Date: 01/26/1989

Title: GPU Nuclear Calculation Sheet, Statistical Analysis of Drywell Thickness Data through 04/24/1990

Document Date: 06/13/1990

Estimated Page Count: 41 of 454 pages

Title: GPU Nuclear Installation Specification for Oyster Creek, Functional Requirements for Augmented Drywell Inspection (IS-402950-001), "Nuclear Safety Related"

Document Date: 12/03/1990 provided to NRC PDR

Title: GPU Nuclear Technical Data Report, TDR No. 1027, Design of A UT Inspection Plan for the Drywell Containment Using Statistical Inference Methods

Document Date: 12/03/1990 provided to NRC PDR

Title: GPU Nuclear forwards supplemental information supporting utility overall plan to address drywell corrosion issue at facility.

Document Date: 11/26/1990

Title: NRC Information Notice No. 86-99, Supplement 1: Degradation of Steel Containments issued in response to drywell corrosion at Oyster Creek.

Document Date: 02/14/1991 (PETITIONERS' EXHIBIT 2)

Title: An ASME Section VIII Evaluation of the Oyster Creek Drywell For Without Sand Case Part 2 Stability Analysis prepared for GPU Nuclear by GE Nuclear Energy, San Jose, California

Document Date: February 1991

Title: NUREG/CR-5382, Screening Criteria of Generic Safety Issues for License Renewal Considerations

Document Date: December 1991

Title: Brookhaven National Laboratory Technical Evaluation Report on Structural Analyses of the Corroded Oyster Creek Steel Drywell

Document Date: No Date

Title: GPU Nuclear cover letter attaching oversize diagram of drywell (GPUN Dwg. 3E-187-29-001). Diagram not included.

Document Date: 01/17/1992

Title: NRC Safety Evaluation by Office of Nuclear Reactor Regulation Drywell Structural Integrity, Oyster Creek Nuclear Generating Station

Document Date: 04/30/1992 provided to NRC PDR

Title: NRC Evaluation Report on Structural Integrity of the Oyster Creek Drywell (TAC No. M79166) (PETITIONERS' EXHIBIT 3)

Document Date: 04/24/1992

Title: GPU Nuclear letter commits to inform NRC prior to any change in drywell inspection program.

Document Date: 03/25/1993

Title: Summary of May 5, 1993, Meeting with GPU Nuclear Corporation (GPUN) to Discuss Matters Related to the Oyster Creek Drywell Corrosion Mitigation Program, cover letter and Enclosure 2 of GPUN viewgraphs which includes 14R UT measurements. (PETITIONERS' EXHIBIT 4 and 5)

Document Date: 05/17/1993

Title: GPU Nuclear letter in response to RAI concerning effects of drywell temperatures on containment concrete shield wall integrity.

Document Date: 06/30/1993

Title: Oyster Creek Technical Specification Change Request No. 198. Rev. 1, Revised Technical Specifications Pages, Drywell Pressure / Temperature Change

Document Date: 07/12/1993

Title: United States Nuclear Regulatory Commission, GPU Nuclear Corporation, Environmental Assessment and Finding of No Significant Impact regarding proposed tech spec change on drywell containment pressure and temperature.

Document Date: 09/02/1993

Title: NRC issues amendment to Oyster Creek drywell containment pressure and temperature.

Document Date: 09/13/1993

Title: ABB Impell Corporation, Oyster Creek Nuclear Generating Station Additional Stress Information for the Drywell Shield Wall from the Structural Evaluation of the Spent Fuel Pool

Document Date: 09/20/1993

Title: GPU Nuclear “Drywell Shield Wall Integrity” documents existing cracks in the concrete shield wall. NRC expresses desire for formal program to monitor cracks.

Document Date: 04/19/1994

Title: NRC viewgraphs “Containment Corrosion, Inspections, and Safety Margins,” Presented to NSSRC Subcommittee on Materials and Engineering, regarding Containment Degradation / Major Issues which states that present inservice inspection techniques for containments have proven to be unreliable.

Document Date: 01/24/1995

Title: GPUN, Oyster Creek Drywell Corrosion Monitoring Program, assessment of drywell liner condition performed during 15R outage with Table 1 and viewgraphs. (PETITIONERS’ EXHIBIT 6)

Document Date: 09/15/1995

Title: Safety Evaluation by Office of Nuclear Reactor Regulation, Drywell Monitoring Program Oyster Creek Nuclear Generating Station

Document Date: 11/01/1995

Title: NRC letter regarding “Changes in the Oyster Creek Drywell Monitoring Program” (TAC No. M93658)

Document Date: 11/01/1995 (PETITIONERS’ EXHIBIT 9)

Title: GPU Nuclear letter proposes to commit to requested for additional inspections should the referenced water leakage not apply to minor leakage associated with normal refueling outage activities. (PETITIONERS’ EXHIBIT 10)

Document Date: 12/15/1995

Title: NRC letter “Changes in the Drywell Corrosion Monitoring Program” in reply to 12/15/1995 GPUN proposal for leakage not to apply to normal refueling activities and is defined as less than 12 GPM. (PETITIONERS’ EXHIBIT 11)

Document Date: 02/15/1996

Title: NRC Information Notice 97-10 “Liner Plate Corrosion in Concrete Containments”

Document Date: 03/17/1997

Title: NRC Integrated Inspection Report No. 05000219/2000-02

Document Date: 05/04/2000

Title: NRC's Oyster Creek Generating Station Integrated Inspection Report
05000219/2000-08
Document Date: 12/20/2000

Title: Email from NRC Public Document Room to Paul Gunter (NIRS) RE: "Oyster
Creek drywell corrosion monitoring program documents"
Document Date: 06/13/2005

Title: AmerGen "Oyster Creek Generating Station Refueling Outage 20 (1R20) Inservice
Inspection (ISI) Summary Report." (PETITIONERS' EXHIBIT 7)
Document Date: 02/16/2005

Title: NRC Summary of May 12, 2005, Annual Meeting with AmerGen
(PETITIONERS' EXHIBIT 8)
Document Date: 06/21/2005

Title: AmerGen "License Renewal Application - Oyster Creek Generating Station"
Document Date: 7/22/2005

Title: AmerGen "Response to NRC Request for Additional Information (RAI 2.5.1.19-
1)" (PETITIONERS' EXHIBIT 12)
Document Date: 10/12/2005

Title: NIRS letter to Bradley Campbell, Commissioner, NJ Department of Environmental
Protection "Regarding Oyster Creek Nuclear Generating Station Drywell Liner Corrosion
Monitoring Program and the Availability of All Inspection Documents"
Document Date: 07/20/2005

Title: JSNW letter to Bradley Campbell, Commissioner, NJ Department of
Environmental Protection regarding Oyster Creek drywell liner corrosion
Document Date: 07/20/2005

Title: NIRS letter to Bradley Campbell, Commissioner, NJ Department of Environmental
Protection, "Regarding the Oyster Creek Nuclear Generating Station Drywell Liner
Corrosion Monitoring Program and the Availability of All Inspection Reports
Supplement 1"
Document Date: 07/22/2005

Title: Email from NRC Public Document Room to Paul Gunter (NIRS) RE: "NIRS
Request for Printout (File Attached)" pertaining to 1996 inspection reports for Oyster
Creek drywell liner inspections and UT measurements. File OysterCreek.txt attached (26
KB)
Document Date: 07/27/2005

Title: Asbury Park Press article “Ultrasonic Tests: On Barrier around Oyster Creek reactor, Corrosion Level: Crucial to License Renewal, Missing Reports Worry Watchdog”

Document Date: 07/30/2005

Title: Jersey Shore Nuclear Watch letter to Ocean County Board of Freeholders regarding Oyster Creek drywell liner inspections

Document Date: 08/03/2005

Title: Letter from The Ocean County Board of Chosen Freeholders, Toms River, NJ to petitioners regarding UT measurements of drywell liner at Oyster Creek

Document Date: 08/04/2005

Title: McGraw Hill Publication Inside NRC, “Oyster Creek Foes Press Exelon for Drywell Corrosion Data”

Document Date: 08/08/2005

Title: Letter from Ocean County Administrator, New Jersey, to AmerGen regarding “Oyster Creek Nuclear Generating Station Drywell Liner Monitoring and Inspection Reports”

Document Date: 08/09/2005

Title: Asbury Park Press, Op Ed or Letter to Editor by Exelon “No Need for reports on drywell corrosion to be submitted to NRC”

Document Date: 08/09/2005

Title: Jersey Shore Nuclear Watch letter to Senator Corzine regarding UT test results at Oyster Creek

Document Date: 08/10/2005

Title: Petitioners letter to Congressman Christopher Smith regarding Oyster Creek drywell liner

Document Date: 08/16/2005

Title: Bradley Campbell, Commissioner, New Jersey Department of Environmental Protection, letter to Edith Gbur, Jersey Shore Nuclear Watch, regarding Oyster Creek drywell liner corrosion. Includes an attachment of Oyster Creek report titled “Assessment of Primary Containment Drywell Corrosion for the Period of Extended Operation” (undated)

Document Date: 08/25/2005

Title: Letter from Congressman Christopher Smith to petitioners regarding Oyster Creek

Document Date: 09/09/2005

Title: Jersey Shore Nuclear Watch email to NRC (alb1@nrc.gov) regarding Oyster Creek drywell liner inspections
Document Date: 05/11/ 2005

Title: Jersey Shore Nuclear Watch letter to Bradley Campbell, Commissioner New Jersey Department of Environmental Protection regarding “Issue: Required Safety Reports of the Drywell Liner Corrosion (metal thinness)”
Document Date: 10/20/2005

Title: Bradley Campbell, Commissioner, New Jersey Department of Environmental Protection, letter to Jersey Shore Nuclear Watch in response to JSNW letter 10/20/2005
Document Date: 11/29/2005

Title: NRC, “Potential License Renewal – Interim Staff Guidance (LR-ISG) on Corrosion of Mark I Steel Containment Drywell Shell” (Exhibit B to Petitioners’ Motion to Add Contentions)
Date: 01/31/2006

Title: Memorandum regarding Oyster Creek drywell corrosion from Dr. Rudolf H. Hausler (Exhibit C to Petitioners’ Motion to Add Contentions)
Date: 02/06/2006

Title: Oyster Creek License Renewal Update, News Release from Rachelle Benson, AmerGen
Date: 02/09/2006

Title: Letter and attached factsheet from Richard P. Lopriore of AmerGen to Scott MacFadden of Brick Township
Document Date: 02/22/2006

Title: Do Not Relicense Oyster Creek, factsheet provided by Citizens to NJDEP
Document Date: undated

Title: NEI Response to Potential License Renewal ISG on Corrosion of Mark I Steel Containment Drywell Shell
Document Date: 03/23/06

Various press relevant press articles from 2005 and 2006.

Response to 10 C.F.R. § 2.336(a)(2) – Non-public Documents

Title: JSNW Fax to AmerGen forwarding NIRS questions on drywell liner inspections
Document Date: 08/30/2005

Title: Email from Paul Gunter (NIRS) to Edith Gbur (JSNW) "Letter to NJDEP re: OYST drywell liner corrosion" file attaching draft letter on Oyster Creek drywell liner corrosion

Document Date: 07/18/2005

Title: Email from Paul Gunter (NIRS) to Gbur (JSNW) regarding "letter to DEP" file attaching letter to NJDEP on Oyster Creek drywell liner corrosion

Document Date: 07/20/2005

Title: Email from Paul Gunter (NIRS) to David Lochbaum (Union of Concerned Scientists) "RE: Oyster Creek Dry Well Liner Inspections and letters to NJDEP"

Document Date: 07/21/2005

Title: Email from David Lochbaum (UCS) to Paul Gunter (NIRS) RE: "Oyster Creek Dry Well Liner Inspections and letters to NJDEP"

Document Date: 07/21/2005

Title: Email from Paul Gunter (NIRS) to Edith Gbur (JSNW), RE: no subject, file attaching Letter to NJDEP on Oyster Creek drywell liner corrosion

Document Date: 07/22/2005

Title: Email from William deCamp, Jr. (JSNW) to Paul Gunter (NIRS) RE: "Your containment letter to DEP"

Document Date: 07/26/2005

Title: Email from David Lochbaum (UCS) to Paul Gunter (NIRS) RE: "Oyster Creek drawings" file attaching NRC IN-86-99

Document Date: 09/08/2005

Title: Pete Resler, AmerGen, email reply to JSNW regarding inspection of drywell

Document Date: 09/26/2005

Title: Pete Resler, AmerGen, email exchange with JSNW regarding inspection results of drywell liner

Document Date: 09/30/2005

Title: Email from Pete Resler, Manager, Exelon Communications, to Paul Gunter (NIRS) and Edith Gbur (JSNW) RE: "Response to 9/6 request for information" stating that AmerGen will not provide "proprietary business information" pertaining to drywell liner UT measurement results. Includes file attachment AmerGen document "drywell corrosion issue summary.doc"

Document Date: 10/10/2005

Title: Email from Paul Gunter (NIRS) to Edith Gbur (JSNW) RE: Emailing: DRY WELL LINER DIAGRAM

Document Date: 10/27/2005

Title: Email Don Warren (JSNW) to Paul Gunter (NIRS) RE: Assessment of Primary Containment Drywell Corrosion for the Period of Extended Operations Oyster Creek License Renewal Review
Document Date: 10/27/2005

Title: Email from Paul Gunter (NIRS) to Edith Gbur and Don Warren (JSNW) RE: "OYST documents" includes file NRC IN-97-10
Document Date: 10/30/2005

Title: Email from Paul Gunter (NIRS) to Don Warren (JSNW) RE: "Oyster Creek commitment?"
Document Date: 11/01/2005

Title: Email from David Lochbaum (UCS) to Paul Gunter (NIRS) RE: "Oyster Creek FSAR"
Document Date: 11/01/2005

Response to 10 C.F.R. § 2.336(a)(3) – Privilege Log

Citizens believe that they possess no relevant documents other than those listed above that are not privileged attorney-client communications, or were not created primarily to facilitate the preparation of pleadings. Thus, in accordance with the terms of the disclosure agreement, no privilege log is required at this time.