



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

July 15, 2015

Mr. Michael R. Chisum, Site Vice President
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-0751

**SUBJECT: SUMMARY OF ANNUAL PERFORMANCE ASSESSMENT MEETING WITH
ENTERGY CORPORATION**

Dear Mr. Chisum:

This summary refers to the public meeting conducted at Saint Charles Parish Emergency Operations Center, Hahnville, Louisiana, on July 7, 2015, between the NRC and your staff. During the meeting, the NRC presented the results of the 2014 end-of-cycle assessment of safety performance at Waterford Steam Electric Station.

The meeting was classified as a Category 1 public meeting, as communicated in the meeting notice (ADAMS ML15168A239). An opportunity was provided for members of the public to discuss regulatory issues with the NRC after the business portion of the meeting, but before the meeting adjourned.

The attendance list for the meeting is enclosed with this summary as Enclosure 1. Copies of the presentations given by the NRC and by Entergy are also enclosed as Enclosures 2 and 3, respectively.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, and its enclosures, will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web Site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

/RA/B. Hagar for

Geoffrey B. Miller, Chief
Project Branch D,
Division of Reactor Projects

Docket No. 50-382
License No. NPF-38

Electronic distribution by RIV:

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ROPreports

ADAMS ML

ADAMS: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> SUNSI Review Complete	Reviewer Initials:BP	
	<input checked="" type="checkbox"/> Publicly Available	<input checked="" type="checkbox"/> Non-Sensitive	
	<input type="checkbox"/> Non-publicly Available	<input type="checkbox"/> Sensitive	
PE:DRP/D	PAO	RSLO	C:DRP/PBD
BParks	VLDricks	WAMAier	GMiller
/RA/	/RA/LUselding for	/RA/	/RA/BHagar for
7/14/15	7/14/15	7/14/15	7/15/15

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

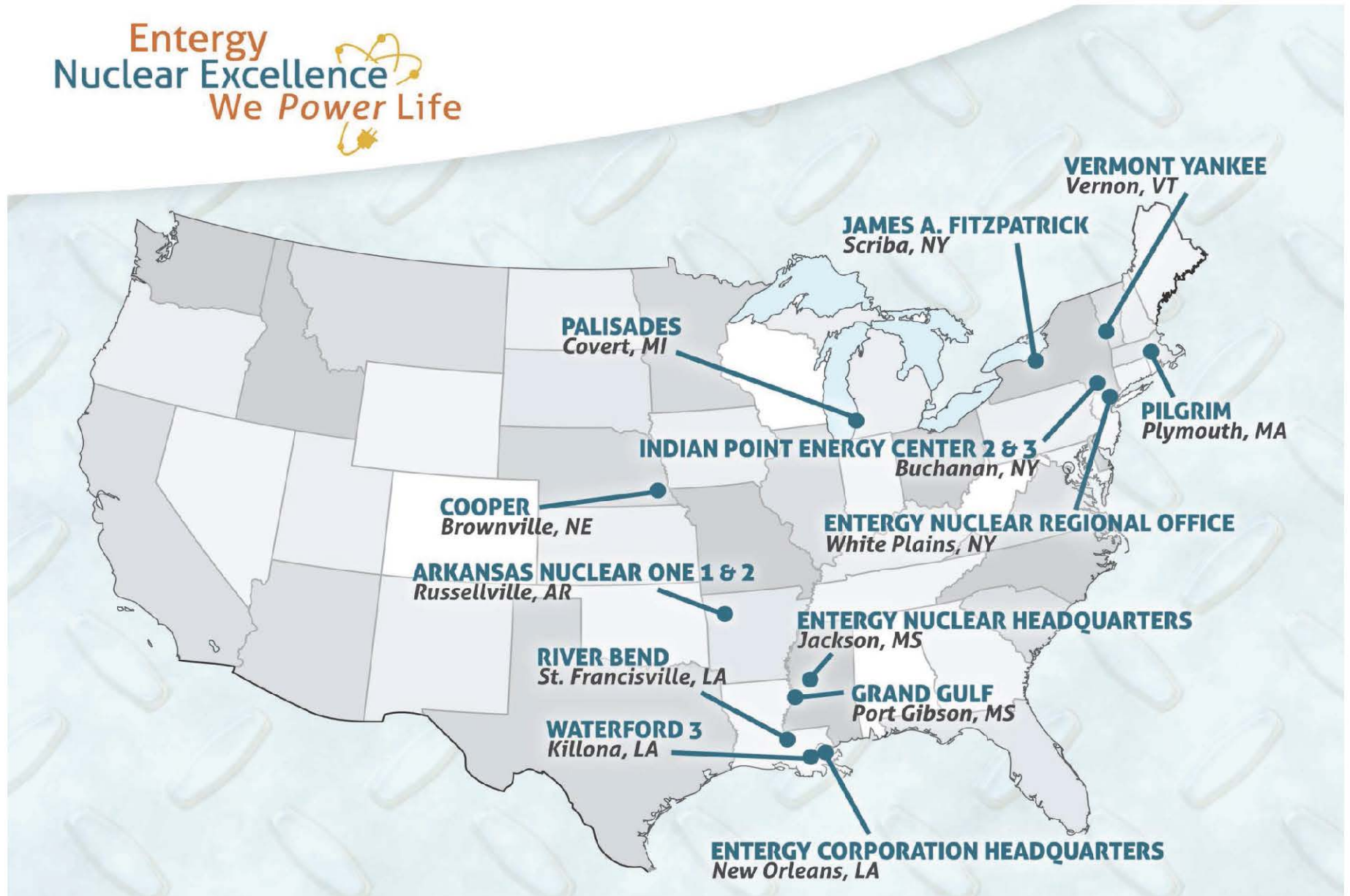
Waterford

Entergy
Nuclear Excellence
We Power Life



Ran Gilmore

Director, Regulatory and
Performance Improvement



Waterford 3 Steam Electric Station

Generation

- Total site net generation: 1,178 MW
- Enough power to serve a city the size of New Orleans

Site Features

- Site size: Approximately 3,600 acres in Killona, LA
- Commercial service: 1985

Community Impact

- Number of employees: Approximately 600
- 2014 taxes paid: Approximately \$25 million property

License Renewal

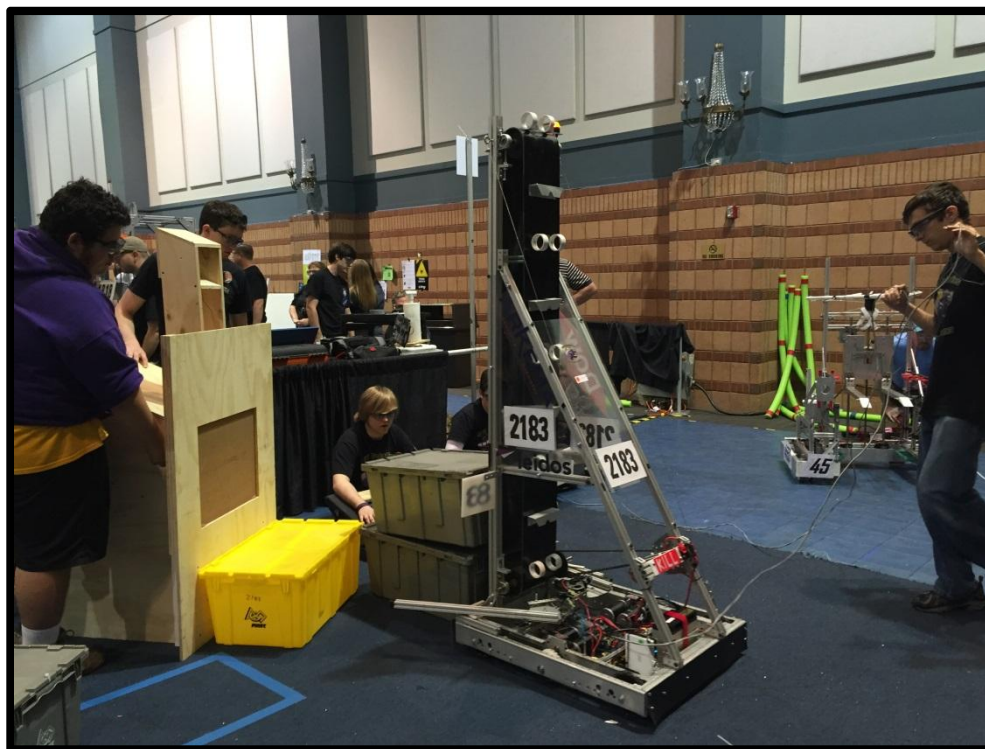
- Currently licensed until 2024
- Renewing license until 2044



Employee Contributions /Community Outreach

- Participated in the St. Charles Parish United Way Battle for the Paddle and St. Charles Parish Relay for Life.
- Raised over \$159,000 for St. Charles Parish United Way and nonprofit organizations including Wounded Warriors, Alpha Daughters of Zion and American Cancer Society.
- Gave over \$10,000 in grants to local charities and schools.
- Participated S.T.E.M. related programs for surrounding community schools including Hahnville High, Destrehan High and Xavier University.
- Supported Wetland Watcher Celebration
- Participated as Senior Project Panelist at Destrehan High School and Hahnville High School

Community Outreach



Hahnville High School Engineering and Robotics Club

Community Outreach



New Hope Baptist Church Outreach

Community Outreach



Wetland Watchers

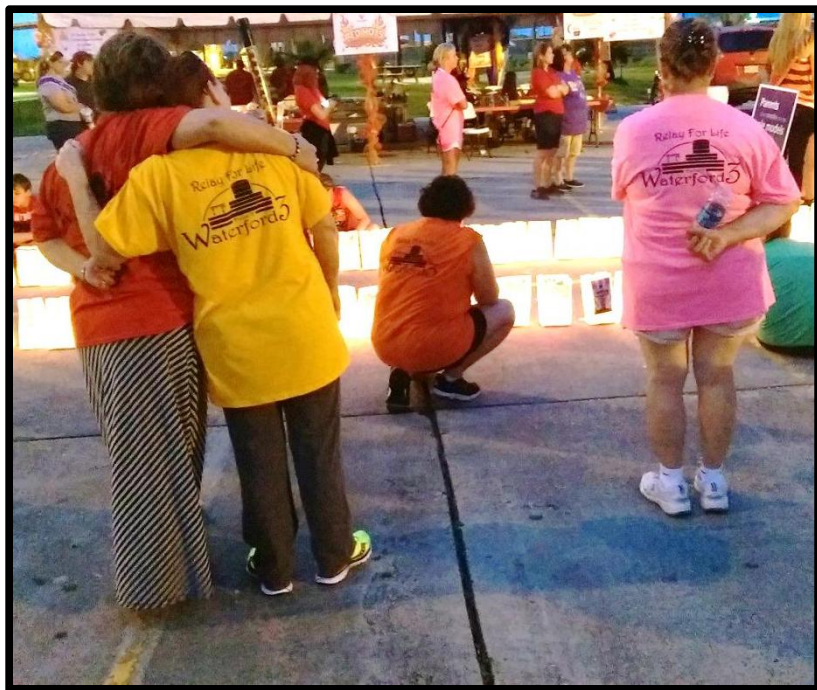


Community Outreach



United Way / Battle for the Paddle
Total Contribution to United Way: \$159,312

Community Outreach



Relay for Life – American Cancer Society

Community Outreach



Hahnville High School



March of Dimes

Community Outreach



Satellite Center Plant Tour

Community Outreach



Satellite Center Plant Tour



We Are



Waterford 3

Michael Chisum

Site Vice President

Waterford 3

Waterford Steam Electric Station Annual Assessment Meeting

**Reactor Oversight Process – 2014
July 7, 2015**



Agenda

- Introduction
- What we do
- Waterford's Performance Results
- Review of Reactor Oversight Process



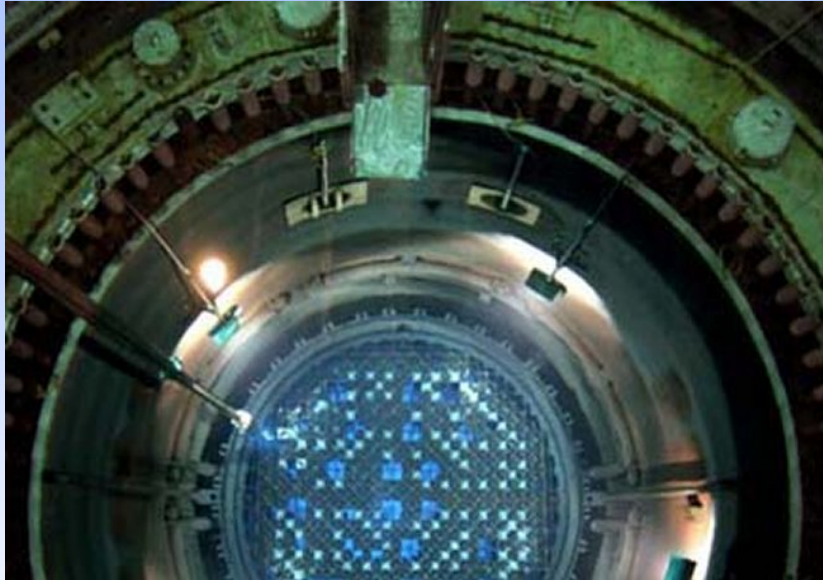
Nuclear Regulatory Commission

- Five Commissioners
 - All nominated by the President
 - Confirmed by the Senate
 - No more than 3 can be from same political party





Our Mission



- To license and regulate the nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, promote the common defense and security, and protect the environment.



The NRC Regulates

Nuclear Reactors



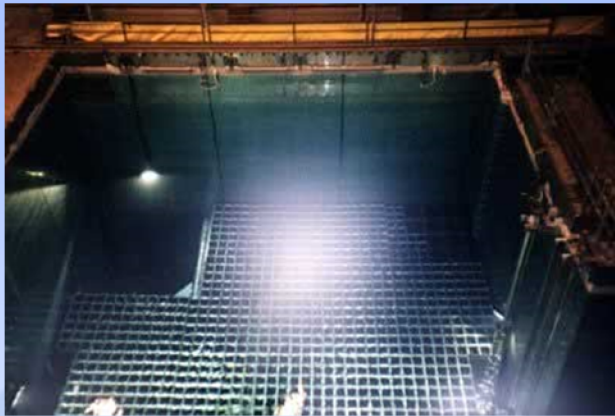
Nuclear Materials





The NRC Regulates

Nuclear Waste



Nuclear Security





The Resident Inspector Program

- Introduced in 1978, expanded in response to Three Mile Island Accident of 1979
- Resident Inspectors are permanently stationed at the site
- Normally two inspectors per site, three for larger sites





Responsibilities of Resident Inspectors

Scrutinize day-to-day plant conditions and operations to verify compliance with Federal Regulations





Responsibilities of Resident Inspectors

Support the ROP by conducting baseline inspections and auditing the accuracy of performance indicators





Responsibilities of Resident Inspectors

Communicate safety-significant issues to plant management for correction and, if necessary, to higher levels of NRC management for enforcement





Responsibilities of Resident Inspectors

Respond to the site during emergencies to establish oversight and provide critical communications with the Region and Headquarters





Baseline Inspection

- The NRC conducted approximately 2,200 of direct inspection hours at Waterford in 2014
 - Plus preparation and documentation



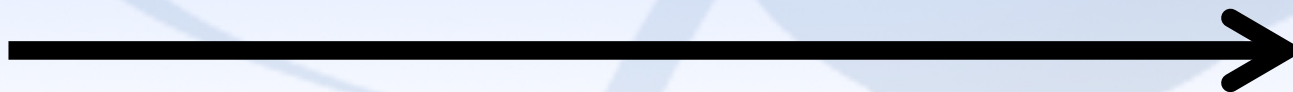


Reactor Oversight Process (ROP)

Licensee performance is evaluated based on:

- Inspection Findings
- Performance Indicators

Inspection Findings and Performance Indicators are assigned colors that reflect their safety significance:



Increasing Safety Significance



Action Matrix Columns

Licensee Response	Regulatory Response	Degraded Cornerstone	Multiple/Rep. Degraded Cornerstone	Unacceptable Performance
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Increasing Safety Significance

Increasing NRC Inspection Efforts

Increasing NRC/Licensee Management Involvement

Increasing Regulatory Actions



Waterford's Assessment Results

January 1 - December 31, 2014

- Regulatory Response Column – Column 2
- White finding in the Mitigating Systems Cornerstone
 - Open since 4Q2013
 - Inspected in 10/2014 and 3/2015
 - Closed 1Q2015



Waterford's Assessment Results

January 1 - December 31, 2014

- All Performance Indicators were Green
- 21 Green findings
 - 19 non-cited violations
 - 2 findings (no violation)



Noteworthy Findings

- Diesel Fuel Day Tank Corroded Vent
 - Identified during Component Design Bases Inspection in 4Q2014
 - Through-wall opening could have allowed water into day tank





Safety Significant Findings

- Test results demonstrated that:
 - Roof drains remove water at a higher-than-predicted rate
 - Diesel would continue to operate with higher-than-expected water contamination in fuel supply
- NRC conclusion
 - Finding is Green



Waterford's Annual Assessment Summary

January 1 - December 31, 2014

- **Entergy operated Waterford 3 in a manner that preserved public health and safety**
- **All cornerstone objectives were met with minimal degradation in safety performance**



Waterford's Annual Assessment Summary

January 1 - December 31, 2014

- **No substantive cross-cutting issues**
- **NRC plans baseline inspections at Waterford 3 for the remainder of 2015**



Licensee Response and Remarks

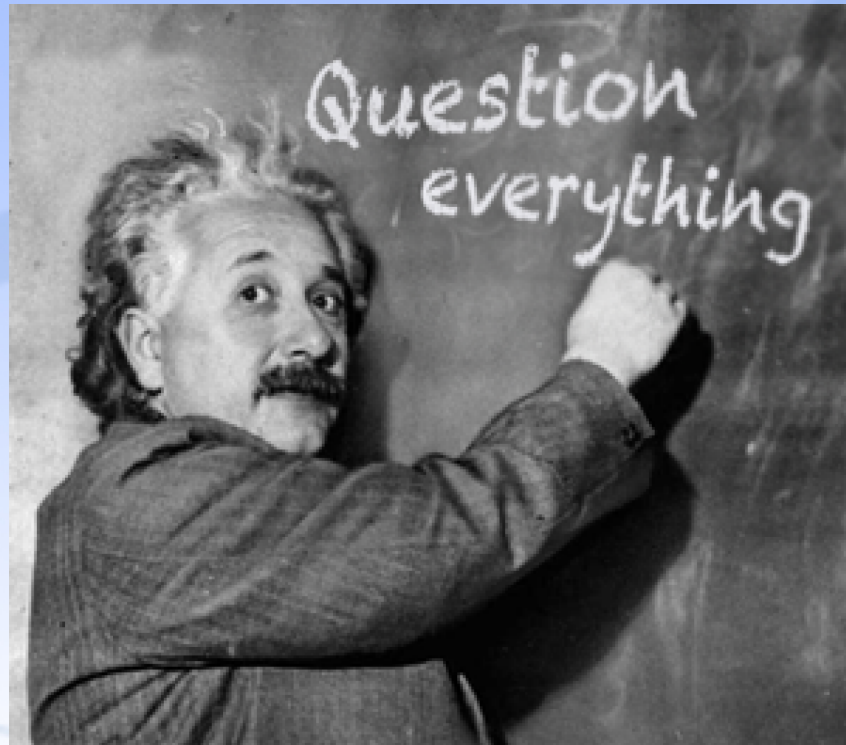
Waterford 3

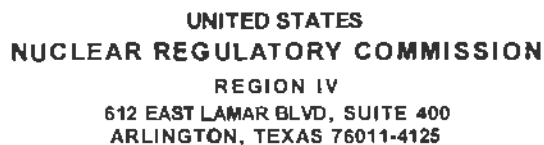


NRC Closing Remarks

NRC

Questions





LICENSEE/FACILITY	Entergy Operations/Waterford 3 Nuclear Plant
DATE/TIME	July 7, 2015 @ 5:00 p.m. - 7:00 p.m.
LOCATION	St. Charles Parish Emergency Operations Center 15026 River Road Hahnville, LA 70057

[illegible]