



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

MIKE ZIMMER
ACTING DIRECTOR

BOARD OF BOILER RULES

Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

AGENDA

December 9, 2014
9:30 a.m.

- 1) Call to order and determination of quorum M. Babcock
- 2) Announcements M. Moore
- 3) Approval of Agenda – December 9, 2014 (Pages 1-2) M. Babcock
- 4) Approval of Minutes – September 9, 2014 (Pages 3-7) M. Babcock
- 5) Review of candidates passing examination
for Boiler Installer and Repairer, (Document BLR2014-19) M. Moore
December 2014 (Page 8) (To be handed out at meeting)
- 6) Violations (Pages 9-12) (Document BLR2014-20) M. Moore
- 7) Section 23
a) Lansing Board of Water Light (Pages 13-17) (Document BLR2014-21) M. Moore
- 8) 24 Month Internal Program
a) Verso Paper Corporation (Pages 18-23) (Document BLR2014-22) M. Moore
- 9) Certificate Extension
a) Packaging Corporation of America (Page 24-29) (Document BLR2014-23) M. Moore
b) Cargill Inc., Evaporation Salt Plant (Page 30-34) (Document BLR2014-24) M. Moore
- 10) Chief Inspector's Report M. Moore

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Board of Boiler Rules Agenda

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December 9, 2014

- | | |
|--|------------|
| 11) Unfinished Business | M. Babcock |
| 12) New Business | M. Babcock |
| 13) Public Comment | M. Babcock |
| 14) Next Meeting – Tuesday, March 10, 2015 | M. Babcock |
| 15) Adjournment | M. Babcock |



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BOARD OF BOILER RULES
Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

MINUTES
September 9, 2014
9:30 a.m.

MEMBERS PRESENT

Mr. Mark C. Babcock
Mr. Lawrence Black
Mr. R. James Federighe
Mr. Chris Lanzon
Mr. Dale Palmer
Mr. Ryan Randazzo
Mr. David Robin
Mr. Dennis Rupert

MEMBERS ABSENT

Mr. James B. Lewis
Mr. Robert Hutsell
Mr. Frank Wiechert

DEPARTMENT PERSONNEL ATTENDING

Mr. Mark Moore, Chief, Boiler Division
Mr. David Stenrose, Assistant Chief, Boiler Division
Ms. Lisa Rambo, Office Supervisor, Boiler Division

OTHERS IN ATTENDANCE

Mr. Matt Jordan, Michigan State University

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1. **CALL TO ORDER AND DETERMINATION OF QUORUM**

Chairperson Babcock called the meeting to order at approximately 9:33 a.m. A quorum was determined present at that time.

2. **ANNOUNCEMENTS**

- a. Boiler Divisions new inspector 10 Steve Baril, his territory is in the Upper Peninsula
- b. Board members replacement:
 - Lawrence Black replaced Mike Muterspaugh for Insurance Company.
 - Chris Lanson replaced Amante C. Lanson for Boiler Repairer.
 - Dale Palmer replaced Eric Cameron for Water Tube Manufacturers.
 - Ryan Randazzo replaced Roger Jenkins for Owner & Users.
 - David Robin added under Consulting Engineers.
- c. We have posted for an inspector 10/E11 for Washtenaw County.
- d. Tom Wagner and Chuck Poole two existing State of Michigan inspectors passed National Board inspector in-service examination.

3. **APPROVAL OF AGENDA**

A **MOTION** was made by board member Lanson and board member Rupert seconded the motion to approve the September 9, 2014 agenda. **MOTION CARRIED.**

4. **APPROVAL OF MINUTES**

A **MOTION** was made by board member Federighe and board member Palmer seconded the motion to approve the minutes of the June 10, 2014 meeting. **MOTION CARRIED.**

5. **APPROVAL OF 2015 MEETING AND EXAM SCHEDULE**

A **MOTION** was made by board member Rupert and board member Robin seconded the motion to approve Board meeting and examination schedule for 2015 (Document BLR2014-13). **MOTION CARRIED.**

6. **REVIEW OF CHIEF INSPECTOR'S RECOMMENDATION FOR ISSUANCE OF LICENSES FOR BOILER INSTALLERS AND REPAIRERS**

Board reviewed the September 2014 examination results, listed on Document BLR2014-14.

A **MOTION** was made by board member Robin and board member Black seconded the motion to approve names for issuance of the license application to the examinees on September 2014 examination. (Document BLR2014-14). **MOTION CARRIED.** Board member Lanzon **ABSTAINED.**

7. **ACCIDENT REPORT**

The board reviewed the accident report for Firstronic and Carousel Cleaners. (Document BLR2014-15).

Received and Filed.

8. **VIOLATION**

The board reviewed the violations issued. (Document BLR2014-16).

Received and Filed

9. **SECTION 23**

REQUALIFICATION OF SECTION 23

- a. Renewal of Section 23 Exempt status for Palisades Nuclear Plant, Entergy Nuclear Operations 27780 Blue Star Memorial Highway Cover, Michigan facility. Document BLR2014-17.

Recommending a motion to renew Palisades Nuclear Plant, Entergy Nuclear Operations 27780 Blue Star Memorial Highway Cover, Michigan section 23-exemption program for repairs to boilers and piping for a period of three years to expire on June 17, 2017 or continue until the next review can be conducted.

A **MOTION** was made by board member Rupert and board member Robin seconded the motion to renew Palisades Nuclear Plant, Entergy Nuclear Operations 27780 Blue Star Memorial Highway Cover, Michigan section 23-exemption program for repairs to boilers and piping for a period of three years to expire on June 17, 2017 or continue until the next review can be conducted. (Document BLR2014-17). **MOTION CARRIED.**

- b. Renewal of Section 23 Exempt status for Lafarge Cement 1435 Ford Ave. Alpena, Michigan facility. Document BLR2014-18.

Recommending a motion to renew Lafarge Cement 1435 Ford Ave. Alpena, Michigan facility 23-exemption program for repairs to boilers and piping for a period of three years to expire on May 21, 2017 or continue until the next review can be conducted.

A **MOTION** was made by board member Federighe and board member Lanzon seconded the motion to renew Lafarge Cement 1435 Ford Ave. Alpena, Michigan facility 23-exemption program for repairs to boilers and piping for a period of three years to expire on May 21, 2017 or continue until the next review can be conducted. (Document BLR2014-18). **MOTION CARRIED.**

10. CHIEF INSPECTOR'S REPORT – MARK MOORE

- a. Mark Moore went to Belle Isle in July; he assigned State boiler tags to 21 boilers.
- b. Mark is working with a company from Germany on non-standard electric boilers. They are asking what is required to bring their boilers to Michigan. Mark stated they need to meet ASME standards and have an ASME stamp, National Board Registered, or meet standards of the Michigan Boiler Rules R408.7172.
- c. Mark is working with the wounded Vets and the Federal Government on the reimbursement of the examination fee. Currently we do not charge them for their initial license fee.
- d. Attorney General office will provide the Boiler Board members training. We will try to coordinate the training for the December 9, 2014 meeting.

11. UNFINISHED BUSINESS

None Reported

12. NEW BUSINESS

None Reported

13. PUBLIC COMMENT

No Public Comment

14. NEXT MEETING – Tuesday – December 9, 2014.

15. ADJOURNMENT

A **MOTION** was made by board member Lanzon and board member Palmer seconded the motion to adjourn the meeting at approximately 10:46 a.m. **MOTION CARRIED.**

APPROVED:

Chairman, Board of Boiler Rules

Date



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STATE OF MICHIGAN
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DIRECTOR

MIKE ZIMMER
ACTING DIRECTOR

(Document BLR2014-19)

November 1, 2014

To: Board of Boiler Rules Members

From: Mark Moore, Chief Boiler Division

Subject: List of Installers & Repairers who passed the December 2014 Examination.

To Be Handed Out At The Board Meeting

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(Document BLR2014-20)

November 3, 2014

To: Members, Board of Boiler Rules
From: Mark Moore
Chief, Boiler Division

Subject: Violations Issued

Attached you will find the violation reports sent to the National Board.

The report contains violations issued in Michigan by all inspectors for the second quarter of 2014. Violation totals consist of 2,505 for the State of Michigan and 103 for the insurance companies.

The total number of inspections conducted in Michigan during this quarter is 7,310. The total number of inspections with violations is 2,609. Approximately 36% of the inspections result in violations issued.

This signifies a decrease from the last quarter of 1%.

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Violation Statistics

07/01/2014 thru 09/30/2014

Inspector	Total # of Violations Opened	Total # of Violations Closed	Total Opened Blr. Cert Blocking	Total Opened Blr. Non-cert Blocking	Total Opened PV Cert Blocking	Total Opened PV Non-cert Blocking	Total Closed Blr. Cert Blocking	Total Closed Blr. Non-cert Blocking	Total Closed PV Cert Blocking	Total Closed PV Non-cert Blocking
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Grand Totals

2,609	2,601	1,287	1,322	0	0	1,146	1,455	0	0
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THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

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Welcome, mark moore

Violation Tracking Form

ID: 266
 StartDate: 7/1/2014
 EndDate: 9/30/2014
 Jurisdiction: Michigan

Device Type (ASME Certification Designator)	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
Total Inspections By Type:	1057	852	4505	224	499
1) Safety Relief Devices	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
1.1 Inoperable	2	7	28		2
1.2 Device Missing - Not Installed					
1.3 Improper Installation	1	13	64		6
1.4 Leaking		9	45		1
1.5 Incorrect Capacity	2	1	42		17
1.6 Missing Nameplate			4	1	
1.7 Incorrect Set Pressure					
2) Low Water Cutoffs / Flow Sensing Devices	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
2.1 Inoperable					
2.2 Device Missing - Not Installed		6	24		
2.3 Improper Installation					
2.4 No Manual Reset	1	2	11		
2.5 Sediment / Dirty / Leaking					
3) Pressure Controls	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
3.1 Inoperable		9	10		
3.2 Device Missing - Not Installed		10			
3.3 Improper Installation					
3.4 No Manual Reset					
4) Temperature Controls - Operator or High Limit	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
4.1 Inoperable					
4.2 Device Missing - Not Installed		2	39		
4.3 Improper Installation			12		
4.4 No Manual Reset			16		

	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
5) Burner Management					
5.1 Flame Failure – Operating, Management System					
5.2 Electrical Power Disconnect – Missing / Not Functioning	4	3	92		
5.3 Improper Installation			5		1
5.4 Fuel Leaks					
5.5 Emergency Shut Down Switch–Missing / Not Functioning	2	3	79	1	
5.6 Fuel Train Damaged					
5.7 Flame Impingement					
5.8 Improper Combustion Air					
6) Level Indicators - Gage Glasses, Bulls Eyes and Fiber Opticals	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
6.1 Inoperable					
6.2 Device Missing - Not Installed					
6.3 Improper Installation	1	1			
6.4 Leaking					
6.5 Internal Deposits		15	1		
7) Pressure / Temperature Indicators	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
7.1 Damaged - inoperable					
7.2 Device Missing - Not Installed		1	17		11
7.3 Improper Installation					
7.4 Leaking					
7.5 Improper Size / Range		3	6		
8) Pressure - Retaining Items (PRI) / Boiler-Piping, Pumps, Systems Valves, Expansion Tanks	High Pressure / High Temperature Boilers (S M E)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Pressure Vessels (U UM)	Potable Water Heaters (HLW)
8.1 Inoperable					
8.2 Item Missing – Not Installed					
8.3 Improper Installation	1	6	79	1	11
8.4 Item Leaking		6	13		2
8.5 Improper Repair / Alteration				1	
8.6 Materials Deficiencies	4	11	19	1	
8.7 Required documentation, nameplate-missing or damaged		5	62		3
8.8 Non-ASME Code Construction			2	1	7
8.9 Inspection Certificate-missing or expired	26	124	528	26	63
8.10 Testing required	6	19	584		1

Save Record Delete Record Cancel



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(Document BLR2014-21)

December 3, 2014

To: Members, Board of Boiler Rules
From: Mark Moore, Chief, Boiler Division

Subject: Lansing Board of Water and Light

A review was conducted on September 10, 2014 for the purpose of determining Lansing Board of Water and Light compliance with Section 23 of the Boiler Act 290 of 1965 in the conduct of repairs to boilers and external piping at its 830 E Hazel, Lansing, Michigan facility. Senior Inspector Chuck Williams conducted the review in the presence of Joseph A. Andrejczuk, Quality Assurance Manager/Principle Engineer, David Bashore Plant Engineer, and John T. Rzepka FM Global Insurance Company. The review was conducted in accordance with the attached Qualification Review Report.

Recommendations:

Based on review of the documentation and observations made during the above review and historical documentation on file with the boiler division, I am recommending a motion by the Board of Boiler Rules that the Section 23 exemption program for repairs to boilers and external piping at its 830 E Hazel, Lansing, Michigan facility for a period of three years to expire on September 10, 2017 or continue until the next review can be conducted.

Any violations of the boiler law and rules during this period shall be cause for suspension of this exemption by the Chief of the Boiler Division. Re-instatement of this exemption may only be granted by the Board of Boiler Rules.

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BOILER DIVISION ATTENDANCE SHEET

Review Audit Other

Company: Lansing Board of Water + Light (BWL)

Address: 830 E Hazel

Lansing, Mi: 48901

Date: 9-10-14

Print Name	Print Title	Signature	Organization
DAVID BASITORE	Plant Engineer	<i>David Basitore</i>	LBWL
JOSEPH ANDRZEJUK	PRINCIPAL ENGINEER	<i>Joseph Andrzejuk</i>	LBWL
John Rzepka	JURISDICTIONAL INSPECTOR III	<i>John Rzepka</i>	FM Global
Chuck Williams	Senior Boiler Inspector	<i>Chuck Williams</i>	State of Michigan

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MICHIGAN BOARD OF BOILER RULES
UTILITY/INDUSTRIAL PLANT REPAIR/INSTALLATION
QUALIFICATION REVIEW REPORT
(Re: Boiler Act of 1965, Sect23)

Date Review Conducted: September 10, 2014

Application type: Renewal

1. Organization's Name and Business Address.

Lansing Board of Water & Light (BWL)

Name

830 E Hazel, Lansing, Mi 48901

Street, City, State, Zip

Utility

Principal Business

2. Identification of person responsible for compliance with state boiler law and rules.

Name: Joseph A. Andrejczuk

Title: Quality Assurance Manager / Principal Engineer

Mailing Address:

BWL

P.O. Box 13007

Lansing, Mi 48901

Phone Number: 517-702-6449

3. Authorized Inspection Agency: FM Global

4. ASME Symbol Stamp(s) Held: NONE

5. National Board Symbol Stamp(s): NONE

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6. Are the boilers and piping owned and operated by the Applicant?

Yes: X No: _____

7. Type of code items to be repaired / installed.

Section I: Boilers X Boiler External Piping X

Section IV: Boilers _____ Boiler Non-External Piping X

Safety Valves: SEC. I _____ Section IV _____ Section VIII _____

8. Where are repairs done?

Shop: _____ Field: _____ Shop & Field: X

9. Does the organization have the latest edition of the applicable Codes and Addenda and Boiler Law and Rules.

Section I: X Section IV: _____ Section VIII: _____

Section IX: X B31.1: X NBIC: X

Michigan Boiler Law & Rules: Yes: X No: _____

NOTE: Section IX will be updated and they will be purchasing Section IV even though it does not apply.

10. Does the organization have a Quality Assurance Manual or Procedures for the work anticipated?

Yes: X No: _____

11. Does the organization have and maintain a maintenance record for each exempt boiler?

Yes: X No: _____

12. How is Heat Treatment capability provided?

JANX provides heat treatment and NDE examinations, see attachment.

13. How is Non-destructive examination capability provided?

In-House: _____ Sub-Contracted: X Procedures Available: X

14. Does the QA Manual or Procedures provide for pressure tests?

Yes: X No: _____

Procedures Available: X

NOTE: Procedures are conducted according to code requirements and the AI will be given advanced notice when it is necessary for him to witness the test.

15. What welding processes are used?

SMAW: X GTAW: X SAW: _____ GMAW: _____

16. Are appropriate welding procedures available and qualified to ASME Code Section IX?

Yes: X No: _____

17. Is evidence available that welders are qualified to procedures?

Yes: X No: _____

17a. Is a Continuity Log maintained?

Yes: X No: _____

18. Are welders regular employees?

Yes: X No: _____

19. Does the organization have procedures to control the procurement and handling of code materials?

Yes: X No: _____

20. Should this organization be granted a Section 23 exemption?

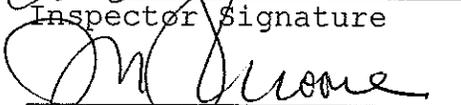
Yes: X No: _____



Inspector Signature

September 10, 2014

Date



Chief Inspector

10-28-2014

Date

Chair, Boiler Board

Date

Rev 5 2/2014

S:Boiler/Audit 2013/23 Audit Form Rev 5 Feb 2014.doc



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(Document BLR2014-22)

November 3, 2014

To: Members, Board of Boiler Rules
From: Mark Moore
Subject: Verso Paper Corporation, Quinnesec facility request for 24-month internal inspection frequency.

Dear Members:

Verso Paper Corporation has requested a 24-month internal frequency for the boiler MIR342394. I have attached the request and Verso Paper Corporation's Number 1 Recovery Boiler Internal Inspection Interval program, which incorporates the 24-month internal inspection requirements as established by the Boiler Board. I have also attached the inspection/insurance agency letter concurring with the request.

Based on information submitted for this request I am recommending a motion by the Board of Boiler Rules for the inspection certificate frequency for subject boiler be 24 months commencing with the next internal certificate inspection of boiler MIR342394.

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Verso Paper Corp.
Quinnesec Mill
P.O. Box 241
Norway, MI 49876

Received

10 2 2014

Boiler Division

October 14, 2014

Attn: Mr. Mark Moore
Bureau of Construction Codes - Boiler Division
P.O. Box 30254
Lansing, MI 48909

RE: Request for 24 month Internal Inspection for Boiler MIR342394

Dear Mr. Moore,

As the designated representative for the Verso Paper, Quinnesec Mill, I would like to request that Boiler ID Michigan State #R342394, NB #/MFG#:24665, commonly referred to as the #1 Recovery boiler, be granted a 24 month internal inspection frequency as described in Regulation R408.4058. This boiler was manufactured by B&W; installation began in 1982 and the boiler was commissioned in 1985.

On October 14, 2014 a committee was assembled to review regulation R408.4058. After developing a common understanding of the regulation requirements, the committee reviewed 2014 as well as historical outage inspection reports, maintenance findings and boiler inspector findings. It is the consensus of the committee that the boiler integrity, maintenance practices and operating practices meet the criteria to operate the boiler up to 24 months between internal boiler inspections. Enclosed are the committee members and their signatures endorsing this request. In addition, a second enclosed document briefly explains Quinnesec's key practices that the committee reviewed and believes satisfies specific requirements of Regulation R408.4058 .

The committee respectfully requests that the Board of Boiler rules find favorably with their recommendation and grant Boiler ID Number Michigan State #R342394, the status which allows for up to 24 month internal boiler inspection frequency. If there is any additional information you feel would assist in clarifying any concern regarding this request, please contact me.

Respectfully,

A handwritten signature in black ink, appearing to read 'Alex Claverie', with a long horizontal flourish extending to the right.

Alex Claverie
Manager of Recovery and Utilities
Verso – Quinnesec Mill
906-779-3350

CC: Ms. Cindy Elliot, FM Account Manager

Verso simple.™



**24 Months Internal Inspection Recovery Boiler Review
Committee Members
10/14/2014**

FM Global Boiler Inspector – Matt Wouters
R&U Area Manager – Alex Claverie
Recovery Coordinator – Bill Fazer
Process Control Engineer – Greg Brownson
Process Engineer – Greg Kulas
Mechanical Engineer – Don Nurmela
Maintenance Coordinator -Bob Coughlin
Verso Energy Representative – Majed Ja'arah
Water Treatment Consultant - Nalco – Jim Petroff
Mechanical Maintenance Rep – Robert Artrip
Elect. and Inst. Maint. Rep - Bill Altenburg

Matt Wouters
Alex Claverie
Bill Fazer
Greg Brownson
Greg Kulas
Don Nurmela
Bob Coughlin
Majed Ja'arah
Jim Petroff
Robert Artrip
Bill Altenburg



Summary of Critical plant operation aspects required for Regulation R408.4058

Training

Operator training consists of a regimented certification process as well as annual refresher training. The certification process outlined in the chart below lists the required certifications and typical time required to achieve proficiency as a boiler operator, control room operator as well as team leader. Each certification step requires a book review culminating with trainee and trainer signatures of accomplishment. In addition, a safety and technical review board is conducted by area management, training coordinators and team leaders to confirm each candidate has acquired conceptual knowledge as well as task specific knowledge required for each job. Completed training guides are retained as a part of the member’s permanent record.

Position	Training time required to solo on job	Total time required to train for certification
R&U Team Leader	2 months	12 - 18 months
R&U Control Room Operator	4-5 months	12 - 18 months
Recovery Boiler Operator	3 months	9-12 months
Waste Fuel Boiler Operator	3 months	9-12 months
Waste Water Treatment Plant Operator	3 months	9-12 months
Water Plant Operator	3 months	6-9 months
Outside Utility	2 weeks	2 months
Inside Utility	1 week	1 month
Boiler Helper	4-6 weeks	3 months

Annual refresher training involves reviewing a variety of critical procedures and “What If” scenarios each year. The annual required list is rotated so that all critical procedures and scenarios are reviewed periodically. The refresher training is internally referred to as 3PQP.

Boiler Maintenance

Boiler maintenance practices covering all critical mechanical, electrical and safety systems are dictated by “Verso Policy Manual”. These policies and best practices have been developed for corporate wide implementation by subject matter experts. The procedures define both required maintenance and the required frequency. Any deviation from established policy must be requested and approved by the corporate power technology group prior to a required scheduled task. Each site maintains a current copy of these procedures.



VERSO PAPER CORP.

Repairs to pressure parts are completed by Outside contractors that maintain current R – Stamp certification. Pressure safety relief devices are tested annually and certified by a qualified VB Stamp contractor.

Water Chemistry

Boiler feed water chemistry is diligently controlled by trained and qualified operators. Water parameters are monitored using on line continuous instrumentation as well as periodic testing. Period manual test results are logged into a computerized data base for historical archiving. Standard operating procedures and emergency operating procedures guide the operator's response in the event of a process upset. These procedures are maintained in a controlled document management system and are available to all operators on Quinnesec's Intranet site. In addition, a resident specialty chemical service engineer reviews daily key feed water parameters and chemical dose rates. A monthly report is provided that describes water chemistry control and any abnormalities. The specialty chemical supplier completes an internal boiler inspections and a DWD analysis during major maintenance outages.

Operating Parameters

Operational parameters are defined for all critical parameters. Parameters ranges are maintained and available for operator review in our PI and Proficy database systems. Critical operating parameters have hard coded alarm limits in the Distributive Control System as well as in our Parameter Center lining System. Burner management control devices critical for safe operation, alarm and report to a separately maintained burner management system. These operating devices and systems are functionally checked each major maintenance outage.

Chemical Cleaning Schedule

Chemical cleaning frequency is dictated by "Verso Policy Manual". These policies and best practices have been developed for corporate wide implementation by subject matter experts. The procedure defines the required chemical cleaning frequency either by internal deposit analysis (DWD) limits or a maximum time interval between cleanings. Any deviation from established policy must be requested and approved by the corporate power technology group prior to a required scheduled cleaning. Each site maintains a current copy of this procedure.

Protective Devices

Protective devices and functional system checks are conducted during each maintenance outage. Boiler trip devices, functional logic, and mechanical pressure relief devices are tested to confirm compliance with BLRBAC recommendations, NFPA guidelines and FM Global requirements. Completed Emergency Shutdown test devices, boiler trip check sheets, instrument calibration and safety valve conformance reports are maintained for historical records.



Boiler External Inspection

Hydrostatic testing of the boiler is conducted annually during a cleaning cycle. During these tests, the external portion of the boiler is inspected as well as visible internal section through door opening s. In addition, twice daily an operating, “quite time”, no sootblower operation, full operating pressure walk down leak inspections are conducted.

In addition to in-house external inspections, every 12 months, FM Global boiler inspector performs an external boiler inspection.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

MIKE ZIMMER
ACTING DIRECTOR

(Document BLR2014-23)

November 7, 2014

To: Members, Board of Boiler Rules

From: Mark Moore

Subject: Certificate Extension Request for Packaging Corporation of America Boiler
MIR044537, MIR046937, and MIR401208.

Packaging Corporation of America is requesting an additional one-time extension of the current certificates until May 30, 2015 for subject boiler. I have attached copies of the boiler division's database. In addition, find attached a letter from Factory Mutual Insurance concurring with the extension request.

Providing for Michigan's Safety in the Built Environment

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October 2, 2014

Mark Moore
Chief, Boiler Division
Department of Licensing and Regulatory Affairs



The Packaging Corporation of America Filer City Mill is requesting an extension to operate three power boilers until May 30, 2015, an additional seven months without an internal inspection. The affected units are State Nos. MIR044537, MIR046937, and MIR401208. All three units were last inspected in October, 2013 and have operated since with no extended downtime.

The Filer Mill operates continuously 24 hours a day except for scheduled maintenance shutdowns. This year, it was decided to move the planned shutdown to May, 2015, instead of October, 2014, due to scheduling conflicts with other internal shutdowns and economic pressure to maintain production during the fall. The mill production is significantly limited and mill stability is compromised if any of these units is removed from service.

We can provide previous inspection reports, downtime data, and/or water quality information upon request. We have had an uneventful year with no water chemistry upsets or fireside issues. We have not had a tube leak since May, 2011. The Factory Mutual inspector here is Mike Muterspaugh who is in agreement that we have no issues that need immediate attention.

Thank you for your time and consideration in this matter, we look forward to your response.

Ron Blevins

A handwritten signature in black ink that reads 'Ron Blevins J.' with a stylized flourish at the end.

Power and Recovery Manager
PCA Filer City
2246 Udell St.
Filer City, MI 49634
Email rblevins@packagingcorp.com
Tel 231-723-9951 ext. 332

Jerry Nowicki

A handwritten signature in black ink that reads 'Jerry Nowicki' with a long, sweeping horizontal line extending to the right.

Power and Recovery Superintendent
PCA Filer City
Email jnowicki@packagingcorp.com
Tel 231-723-9951 ext. 469



3-Sep-2014

270 Central Avenue
P.O. Box 7500 Johnston, RI 02919 USA
T: +1 (1)401 275 3000 F: +1 (1)401 275 3029
www.fmglobal.com

T Ron Blevins
Pulp and Power Manager
Packaging Corporation of America
2246 Udell St.
Filer City, MI. 49634

Reference: Request to Extend the Boiler Certificates for MIR014299, MIR044537, and MIR401208 through May 30, 2015.

Mr. Ronald Blevins:

This is in regards to the request for extension by Packaging Corporation (Filer City) request for extension of Certificate on boiler MIR 44537, MIR401208 and MIR 46937. In conversation with Mr. Ron Blevins- Plant Pulp and Power Manager, this extension is being requested for outage coordination. As the Jurisdictional Inspector for this location and as a representative of FM Global, I have no objection to the request for extension.

In review of JOL past inspections, these boiler's have been inspected twice annually, as required by State of Michigan Boiler Cod with the last external inspection performed 4/17/2014 and last internal inspection performed on October 16, 2014. There were no violations, recommendations or adverse conditions noted during either inspection.

The boilers are monitored continuously 24 hours a day from a control room and boiler chemistry is monitored continuously. The location performs regularly scheduled NDE for tube thickness reading in selected boiler areas and the plant has a scheduled program for sampling of tubes for cleanliness. It is also noted that a Company Specialist also performs an independent inspection of the Boilers during the Internal Certificate Inspection. Testing of Boiler controls and Safety Valve comply with Michigan Boiler Rules, 408. 4027

Sincerely,

Michael K. Muterspaugh
Jurisdictional Inspector
Mich.0000055
NB 9030 End. B

AA/pa

Jurisdiction Number *	<input type="text" value="MIR044537"/>	Status *	Active
Nat'l Bd. No.	<input type="text" value="17584"/>	Other No.	<input type="text"/>
Specific Location	<input type="text" value="Powerhouse"/>	Year Built *	<input type="text" value="1952"/>
Year Installed *	<input type="text" value="1953"/>	Edit Manufacturer *	<input type="text" value="Babcock & Wilcox"/>
Construction Type *	<input type="text" value="Weld"/>	Use *	<input type="text" value="Power Boiler"/>
Boiler Type *	<input type="text" value="Water Tube"/>	Method of Firing *	<input type="text" value="Auto"/>
Fuel *	<input type="text" value="Coal"/>	Manhole *	<input type="text" value="Yes"/>
Pressure Gauge Installed? *	<input type="text" value="Yes"/>	Low Water Cutoff Type *	<input type="text" value="Accepted Device"/>
Power Boiler Ht. Surface *	<input type="text" value="17584"/>	Min SV Rel Cap Required *	<input type="text" value="175840"/>
MRSVC Based On *	<input type="text" value="Stamp"/>	Input BTU/HR	<input type="text" value="281344000"/>
Previous Pressure Allowed	<input type="text" value="675"/>	Certificate Duration (MO) *	<input type="text" value="12"/>
Cert Exp Date *	<input type="text" value="10/16/2014"/>	Max Design Temp (HWH, HWS)	<input type="text" value="0"/>
ASME Stamp	<input type="text" value="S"/>	Permit Number	<input type="text"/>
Object Comments	<input type="text" value="USE: Power Boiler;; SV SET: 640;; INSP AGENCY:FM GL; Method of Firing:Automatic; Method of Firing:Auto; LWCO Type:Pressure Differential; Construction:Welded; SV Capacity Type:LB/HR; Boiler"/>		
System Number	JO1164569		

* Required Field

[-] Scheduled Events for this Object

[edit](#) Recurring Cert - Next:10/16/2014

[-] Inspection History

- [View](#) 05/04/04 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/12/04 - Non-Certificate External Inspection
- [View](#) 05/24/05 - Certificate External Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/03/05 - Non-Certificate Internal Inspection
- [View](#) 10/24/05 - Non-Certificate External Inspection
- [View](#) 04/18/06 - Non-Certificate External Inspection
- [View](#) 05/11/06 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 04/01/07 - Non-Certificate External Inspection
- [View](#) 10/03/07 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 04/21/08 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 06/27/08 - Non-Certificate External Inspection
- [View](#) 05/04/09 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 08/25/09 - Non-Certificate External Inspection
- [View](#) 12/01/09 - Non-Certificate External Inspection
- [View](#) 04/13/10 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/14/10 - Non-Certificate External Inspection
- [View](#) 05/16/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 09/17/11 - Non-Certificate External Inspection
- [View](#) 05/15/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 09/29/12 - Non-Certificate External Inspection
- [View](#) 04/24/13 - Non-Certificate External Inspection
- [View](#) 10/16/13 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 04/17/14 - Non-Certificate External Inspection
- [View](#) 10/20/14 - Non-Certificate External Inspection

[-] Past Recommendations and Violations for this Object

No Record(s)

[-] Tests

No Record(s)

[-] Repairs

No Record(s)

[-] Permits

No Record(s)

Jurisdiction Number *	<input type="text" value="MIR046937"/>	Status *	Active
Nat'l Bd. No.	<input type="text" value="16580"/>	Other No.	<input type="text"/>
Specific Location	<input type="text" value="Powerhouse"/>	Year Built *	<input type="text" value="1949"/>
Year Installed *	<input type="text" value="1950"/>	Edit Manufacturer *	<input type="text" value="Babcock & Wilcox"/>
Construction Type *	<input type="text" value="Weld"/>	Use *	<input type="text" value="Power Boiler"/>
Boiler Type *	<input type="text" value="Water Tube"/>	Method of Firing *	<input type="text" value="Auto"/>
Fuel *	<input type="text" value="Coal"/>	Manhole *	<input type="text" value="Yes"/>
Pressure Gauge Installed? *	<input type="text" value="Yes"/>	Low Water Cutoff Type *	<input type="text" value="Float & Probe"/>
Power Boiler Ht. Surface *	<input type="text" value="16580"/>	Min SV Rel Cap Required *	<input type="text" value="16580"/>
MRSVC Based On *	<input type="text" value="Stamp"/>	Input BTU/HR	<input type="text" value="265280000"/>
Previous Pressure Allowed	<input type="text" value="675"/>	Certificate Duration (MO) *	<input type="text" value="12"/>
Cert Exp Date *	<input type="text" value="10/16/2014"/>	Max Design Temp (HWH, HWS)	<input type="text" value="0"/>
ASME Stamp	<input type="text" value="S"/>	Permit Number	<input type="text"/>
Object Comments	<input type="text" value="Firing:Automatic; Method of Firing:Auto; LWCO Type:Probe Type; Construction:Welded; SV Capacity Type:LB/HR; Boiler Type:Water Tube; Boiler Use:Power"/>		
System Number	<input type="text" value="JO1203858"/>		

* Required Field

[-] Scheduled Events for this Object

[edit](#) Recurring Cert - Next:10/16/2014

[-] Inspection History

- [View](#) 04/06/04 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/12/04 - Non-Certificate External Inspection
- [View](#) 05/24/05 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/24/05 - Non-Certificate External Inspection
- [View](#) 07/01/06 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 07/10/06 - Non-Certificate Internal Inspection
- [View](#) 08/29/06 - Non-Certificate External Inspection
- [View](#) 09/11/07 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 11/05/07 - Non-Certificate External Inspection
- [View](#) 09/24/08 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 05/09/09 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 08/25/09 - Non-Certificate External Inspection
- [View](#) 05/25/10 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 08/16/10 - Non-Certificate External Inspection
- [View](#) 05/10/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 09/17/11 - Non-Certificate External Inspection
- [View](#) 05/15/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 09/29/12 - Non-Certificate External Inspection
- [View](#) 04/24/13 - Non-Certificate External Inspection
- [View](#) 10/16/13 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 04/17/14 - Non-Certificate External Inspection
- [View](#) 10/20/14 - Non-Certificate External Inspection

[-] Past Recommendations and Violations for this Object

No Record(s)

[-] Tests

[View](#) Hydro Test 07/10/2006

[-] Repairs

No Record(s)

[-] Permits

No Record(s)

Jurisdiction Number *	<input type="text" value="MIR401208"/>	Status *	Active
Nat'l Bd. No.	<input type="text" value="25160"/>	Other No.	<input type="text"/>
Specific Location	<input type="text" value="Boiler House"/>	Year Built *	<input type="text" value="2002"/>
Year Installed *	<input type="text" value="2002"/>	Edit Manufacturer *	<input type="text" value="Babcock & Wilcox"/>
Construction Type *	<input type="text" value="Weld"/>	Use *	<input type="text" value="Power Boiler"/>
Boiler Type *	<input type="text" value="Water Tube"/>	Method of Firing *	<input type="text" value="Auto"/>
Fuel *	<input type="text" value="Gas"/>	Manhole *	<input type="text" value="Yes"/>
Pressure Gauge Installed? *	<input type="text" value="Yes"/>	Low Water Cutoff Type *	<input type="text" value="Float"/>
Power Boiler Ht. Surface *	<input type="text" value="7036"/>	Min SV Rel Cap Required *	<input type="text" value="150000"/>
MRSVC Based On *	<input type="text" value="Stamp"/>	Input BTU/HR	<input type="text" value="203230000"/>
Previous Pressure Allowed	<input type="text" value="750"/>	Certificate Duration (MO) *	<input type="text" value="12"/>
Cert Exp Date *	<input type="text" value="10/16/2014"/>	Max Design Temp (HWH, HWS)	<input type="text" value="0"/>
ASME Stamp	<input type="text" value="S"/>	Permit Number	<input type="text"/>
Object Comments	<input type="text" value="Location Name: P C A;;; Method of Firing:Automatic; Method of Firing:Auto; LWCO Type:Float and Chamber; Construction:Welded; SV Capacity Type:; B/HR: Boiler Type:Water"/>		
System Number	<input type="text" value="JO2625914"/>		

* Required Field

[-] Scheduled Events for this Object

[edit](#) Recurring Cert - Next: 10/16/2014

[-] Inspection History

- [View](#) 08/17/04 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/12/04 - Non-Certificate External Inspection
- [View](#) 07/11/05 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/24/05 - Non-Certificate External Inspection
- [View](#) 08/29/06 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 11/07/06 - Non-Certificate External Inspection
- [View](#) 06/12/07 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 11/05/07 - Non-Certificate External Inspection
- [View](#) 08/02/08 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 09/24/08 - Non-Certificate External Inspection
- [View](#) 08/25/09 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 09/24/09 - Non-Certificate External Inspection
- [View](#) 08/16/10 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 10/14/10 - Non-Certificate External Inspection
- [View](#) 09/17/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 11/11/11 - Non-Certificate External Inspection
- [View](#) 09/29/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 12/04/12 - Non-Certificate External Inspection
- [View](#) 04/24/13 - Non-Certificate External Inspection
- [View](#) 10/16/13 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 04/17/14 - Non-Certificate External Inspection
- [View](#) 10/20/14 - Non-Certificate External Inspection

[Review Comments](#)

[-] Past Recommendations and Violations for this Object

No Record(s)

[-] Tests

No Record(s)

[-] Repairs

No Record(s)

[-] Permits

No Record(s)



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

MIKE ZIMMER
ACTING DIRECTOR

(Document BLR2014-24)

November 12, 2014

To: Members, Board of Boiler Rules
From: Mark Moore
Subject: Certificate Extension Request for Cargill Inc. Boiler MIR086005

Cargill Inc., Evaporation Salt Plant is requesting an additional one-time extension of the current certificates until May 31, 2015 for subject boiler. I have attached copies of the boiler division's database. In addition, find attached a letter from Arise Insurance concurring with the extension request.

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November 12, 2014

Attn: Michigan Boiler Code Rules Board,

RE: Cargill Salt is requesting a single, one-time variance of the boiler certificate of inspection for Boiler MIR086005 until unit is shut-down in May 31, 2015.

This letter is being submitted to the Board in an effort to gain a single, one-time variance to the MI Boiler Code. Cargill Salt, St Clair is requesting a one-time extension of the boiler certificate of inspection for Boiler MIR086005, to a due date of May 31, 2015. This variance still allows Cargill to operate safely and maintain its environmental stewardship.

The Board of Boiler Rules Manual provides for these variance requests under Section II, Page 5 "The board shall have the ability to grant exceptions or variations from the definitions and rules if it is satisfied that a proposed facility will provide a degree of safety commensurate with the intent of the act."

Cargill Salt has maintained and inspected the coal boiler (MIR086005) in a well-managed and safe manner throughout the years. The facility is in the process of a repowering project that includes a new Natural Gas Boiler unit that will ultimately replace our current Coal Boiler and Natural Gas Boiler. Specifically, our variance request would be to postpone the 12 month inspection until the unit is shut-down in May 31, 2015. This would only add an additional 6 months of operation.

Cargill Salt St. Clair has discussed the condition of the boiler with the Arise boiler inspector, Mr. Steve Ayotte to understand the current condition and safety level. Mr. Ayotte is comfortable with the condition and safety of the boiler and the work that has been done over the years to maintain the integrity of this boiler. Mr. Steve Ayotte has provided a letter confirming his position regarding the continued operation of this boiler. Based on the maintenance work done during the last plant outage, we do not foresee any mechanical issues with the Coal Boiler (MIR086005) if we continue operation until May 31, 2015.

In support of this variance request we have submitted the following documentation:

- Last boiler inspection results have been sent to the Boiler Division on August 5, 2014 to the attention of Mr. Dave Stenrose.



- The prior inspection results are contained in the Boiler Division electronic database including the functionality of the low water cutoff switch and the mechanical integrity testing results.
- The last inspection was conducted during our plant shutdown the week of October 28th 2013.
- A letter from Mr. Steve Ayotte confirming his position regarding the continued operation of this boiler.

Thank you in advance for your consideration of our variance request. Please feel free to contact me at 810-989-7530 if I can provide any further information.

Sincerely,

A handwritten signature in black ink, appearing to be "John Stuart", written over a large, stylized, scribbled-out area.

John Stuart
Plant Manager

Cc: Steve Ayotte
Dave Stenrose



Grand Bay I
7000 South Edgerton Suite 100
Brecksville, OH 44141-3172
Phone: (440) 740-0197
FAX: (440) 746-8957
www.ariseinc.com

**State of Michigan Boiler Division
Dave Stenrose**

Regarding :

**Boiler operating Certificate extension for Boiler MIR 086005
as Requested by Priscila Gavel.**

Location

Cargil Evaporation Salt Plant

916 S Riverside Ave, Saint Clair, MI, 48079-5335

**I do concur with their request to extend the Boiler Operating
Certificate for MIR086005 to May 31 2015. The Boiler was in good
condition when I inspected it last and I do not see a problem with the
extension request**

A handwritten signature in black ink, appearing to read "Sey", written over a horizontal line.

Steve D Ayotte NB 13775 IS,A

11/12/14
Date

I

Edit Boiler		Support Help	
Jurisdiction Number *	<input type="text" value="MIR086005"/>	Status *	Active
Nat'l Bd. No.	<input type="text" value="17435"/>	Other No.	<input type="text"/>
Specific Location	<input type="text" value="Powerhouse No 5"/>	Year Built *	<input type="text" value="1967"/>
Year Installed *	<input type="text" value="1968"/>	Edit Manufacturer *	<input type="text" value="Erie City"/>
Construction Type *	<input type="text" value="Weld"/>	Use *	<input type="text" value="Power Boiler"/>
Boiler Type *	<input type="text" value="Water Tube"/>	Method of Firing *	<input type="text" value="Auto"/>
Fuel *	<input type="text" value="Coal"/>	Manhole *	<input type="text" value="Yes"/>
Pressure Gauge Installed? *	<input type="text" value="Yes"/>	Low Water Cutoff Type *	<input type="text" value="Probe"/>
Power Boiler Ht. Surface *	<input type="text" value="12500"/>	Min SV Rel Cap Required *	<input type="text" value="107080"/>
MRSVC Based On *	<input type="text" value="BTU"/>	Input BTU/HR	<input type="text" value="100000000"/>
Previous Pressure Allowed	<input type="text" value="750"/>	Certificate Duration (MO) *	<input type="text" value="12"/>
Cert Exp Date *	<input type="text" value="10/29/2014"/>	Max Design Temp (HWH, HWS)	<input type="text" value="0"/>
ASME Stamp	<input type="text" value="S"/>	Permit Number	<input type="text"/>
Object Comments	<input type="text" value="USE: Power Boiler;; SV SE; Method of Firing:Stoker; LWCO Type:Probe Type; Construction:Welded; SV Capacity Type:LB/HR; Boiler Type:Water Tube; Boiler Use:Power"/>		
System Number	JO1198737		
* Required Field			
[-] Scheduled Events for this Object			
edit Internal Cert - Next: 10/29/2014			
[-] Inspection History			
View 12/03/03 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 03/31/04 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 04/13/05 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 04/25/06 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 04/17/07 - Certificate External Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 04/29/08 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 04/28/09 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 04/28/10 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued			
View 07/19/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued			
View 10/16/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued			
View 10/29/13 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued			
[-] Past Recommendations and Violations for this Object			
View 03/31/04 - Not Certificate Blocking - Miscellaneous - Closed			
[-] Tests			
No Record(s)			
[-] Repairs			
No Record(s)			
[-] Permits			
No Record(s)			
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Developed by Praeses, LLC Employer : State of Michigan			
<input type="button" value="Submit"/> <input type="button" value="Cancel"/> <input type="button" value="Reset"/> <input type="text" value="What do you want to do..."/>			