



RICK SNYDER  
GOVERNOR

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

STEVE ARWOOD  
DIRECTOR

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

**AMENDED AGENDA**  
March 12, 2013  
9:30 a.m.

- |   |   |             |
|---|---|-------------|
| 1) Call to order and determination of quorum  |   | Chairperson |
| 2) Nomination and Election of Members   |   | Chairperson |
| a) Chairperson  |   |             |
| b) Vice Chairperson   |   |             |
| c) Secretary  |   |             |
| 3) Announcements  |   | W. Vallance |
| 4) Approval of Agenda – March 12, 2013 (Page 1-2)   |   | Chairperson |
| 5) Approval of Minutes – December 11, 2012 (Page 3-6)   |   | Chairperson |
| 6) Review of candidates passing examination<br>for boiler Installer and Repairer,<br>March 2013 (Page 7)  | (Document BLR2013-1)<br>(To be handed out at meeting) | W. Vallance |
| 7) Review of candidates successfully passing<br>Stationary 3 <sup>rd</sup> class oral examination for<br>boiler operator registration. (Page 8) | (Document BLR2013-2)                                  | W. Vallance |
| 8) Re-qualification of Section 23 (Page 9-12)<br>a) Ford Construction Service   | (Document BLR2013-3)                                  | W. Vallance |
| 9) Certificate Extension (Page 13-27)<br>a) Verso Paper Corp.   | (Document BLR2013-4)                                  | W. Vallance |
| b) Packaging Corporation of America *   | (Document BLR2013-8)                                  | W. Vallance |

Continue

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- 10) Accident (Page 28-42) (Document BLR2013-5) W. Vallance
- 11) Violation (Page 43-46) (Document BLR2013-6) W. Vallance
- 12) License Action -Thomas J. DeCarlo (Page 47-54) (Document BLR2013-7) W. Vallance
- 13) Chief Inspector's Report W. Vallance
- 14) Deputy Director Report K. Lambert
- 15) Unfinished Business
- 16) New Business
- 17) Public Comment
- 18) Next Meeting – Tuesday, June 11, 2013
- 19) Adjournment



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GOVERNOR

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

STEVE ARWOOD  
ACTING DIRECTOR

**BOARD OF BOILER RULES**

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

**AMENDED MINUTES**

December 11, 2012  
9:30 a.m.

**MEMBERS PRESENT**

Mr. Mark C. Babcock  
Mr. Eric E. Cameron  
Mr. R. James Federighe  
Mr. Roger D. Jenkins  
Mr. A. Chris Lanzon  
Mr. James B. Lewis \*  
Mr. Michael K. Muterspaugh  
Mr. Dennis Rupert

**MEMBERS ABSENT**

Mr. R. Kim Black  
Mr. Frank Wiechert  
Mr. Daniel G. Sovinski  
Mr. Robert D. Hutsell \*

**DEPARTMENT PERSONNEL ATTENDING**

Mr. William Vallance, Chief, Boiler Division  
Mr. Mark Moore, Assistant Chief, Boiler Division  
Ms. Toni Nelson, Secretary, Electrical Division  
Mr. Keith Lambert, Deputy Director, Bureau of Construction Codes

**OTHERS IN ATTENDANCE**

Matt Jordan, MSU  
Michael Horton

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

Chairperson Mr. Roger D. Jenkins called the meeting to order at approximately 9:40.m. A quorum was determined present at that time.

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2. **ANNOUNCEMENTS**

Board Member Mr. Kim Black has resigned from his position on the Board as he has retired from Johnston Boiler.

Mr. Dan Sovinski has sent in his resignation letter from the Board effective December 31, 2012 to the Governors office.

3. **APPROVAL OF AGENDA**

A **MOTION** was made by board member James Lewis and board member Michael Muterspaugh seconded the motion to approve the December 11, 2012 agenda.  
**MOTION CARRIED.**

4. **APPROVAL OF MINUTES**

A **MOTION** was made by board member Dennis Rupert and board member A. Chris Lanzon seconded the motion to approve the minutes of the September 11, 2012 meeting.  
**MOTION CARRIED.**

5. **APPROVAL OF BOARD MEETING DATES AND LICENSE EXAMINATION SCHEDULE**

A motion was made by board member A. Chris Lanzon and board member Mark Babcock seconded the motion to approve the board meeting dates and license examination schedule (document BLR2012-13). **MOTION CARRIED**

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

Board reviewed the December 2012 examination results, listed in Document BLR2012-14,

A **MOTION** was made by board member Michael Muterspaugh and board member James Lewis seconded the motion to approve names on document BLR2012-14 for issuance of the license application to the examinees on December 2012 examination. (Document BLR2012-14). **MOTION CARRIED.**

7. **REVIEW OF CHIEF INSPECTOR'S RECOMMENDATION FOR ISSUANCE OF BOILER OPERATOR REGISTRATION FOR BOILER OPERATORS AND STATIONARY ENGINEERS**

Board reviewed the recommendation for issuance of Boiler Operator Registration, High Pressure listed in Document BLR2012-15.

A **MOTION** was made by board member A. Chris Lanzon and board member Eric E. Cameron seconded the motion to approve the issuance of the Boiler Operator Registration High Pressure. (Document BLR2012-15). **MOTION CARRIED.**

8. **OPERATOR REVIEW PANEL MEMBER**

Board reviewed the information of Boiler Operator Stationary Engineer 1<sup>st</sup> Class candidates to be review panel members listed in Document BLR2012-16.

A **MOTION** was made by board member Mark Babcock and board member R. James Federighe seconded the motion to approve the Boiler Operator Stationary Engineer 1st Class candidates for review panel members. (Document BLR2012-16). **MOTION CARRIED.**

9. **Accident Report**

- a) The board reviewed the accident report for Mueller Industries in Document BLR2012-17.

**Received and Filed.**

10. **Licensing Action, Thomas J. Decarlo**

The board reviewed the documents provided within BLR2012-18.

A Motion was made by board member Michael Muterspaugh and board member R. James Federighe seconded the motion that during the March, 12, 2013 board meeting an administrative hearing will be held to determine whether Mr. DeCarlo's boiler installers license 311785 should be revoked or remain under suspension. **MOTION CARRIED.**

11. **CHIEF INSPECTOR'S REPORT – WILLIAM VALLANCE**

- a) Presented installers and repairers examination statistics.
- b) Discussed the FY 2012 financial status of the Boiler Division.
- c) The Division has had two inspectors retire.

12. DEPUTY DIRECTOR REPORT – KEITH LAMBERT

Nothing to Report

13. PUBLIC COMMENT

No Public Comment

14. UNFINISHED BUSINESS

None Reported

15. NEW BUSINESS

Board discussed what information the board would like to see from candidates for consideration to the stationary engineers review panel.

Further discussion on what would be required to have a review panel member removed from the panel. Assistant Chief Mark Moore will put together a procedure or process for board discussion and review at the March 2013 board meeting.

16. NEXT MEETING – Tuesday – March 12, 2013.

17. ADJOURNMENT

A **MOTION** was made by board member Eric Cameron and board member Dennis Rupert seconded the motion the meeting at approximately 11:25 a.m. **MOTION CARRIED.**

**APPROVED:**

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Chairman, Board of Boiler Rules

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Date



RICK SNYDER  
GOVERNOR

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

STEVE ARWOOD  
DIRECTOR

(Document BLR2013-1)

February 19, 2013

To: Members, Board of Boiler Rules

From: William Vallance  
Chief Boiler Inspector

Subject: List of Installers & Repairers who passed the March 2013 Examination.

NAME	COMPANY	STATE	COUNTY	LICENSE CLASS
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**TO BE HANDED OUT AT THE BOARD MEETING.**

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(Document BLR2013-2)

February 20, 2013

To: Members, Board of Boiler Rules

From: William Vallance  
Chief Boiler Inspector

Subject: List of Operator Registration who passed the Stationary Engineers 3<sup>rd</sup> Class Oral Examination.

<u>Name</u>	<u>Exam Class</u>	<u>Exam Date</u>
Michael J Russo	3 <sup>rd</sup>	February 6, 2013
Timothy B. Ashley	3 <sup>rd</sup>	February 6, 2013

Subject: List of Operator Registration who passed NIULPE Examination.

<u>Name</u>	<u>Exam Class</u>	<u>Exam Date</u>
Michael Jackson	HP	February 14, 2013

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STEVE ARWOOD  
DIRECTOR

(Document BLR2013-3)

February 20, 2013

To: Members, Board of Boiler Rules  
From: William Vallance  
Subject: Ford - Construction Service

A review was conducted on January 31, 2013 for the purpose of determining Ford - Construction Service compliance with 1965 PA 290 in the conduct of non boiler external piping at its 3001 Miller Rd Dearborn, Michigan facility. Chief William Vallance conducted the review in the presence of Edward Kulp, Manger Coordinator for Ford - Construction Service. 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 non boiler external piping be granted to the Ford - Construction Service at 3001 Miller Rd Dearborn, Michigan for a period of three years to expire on January 31 2016 or continue until the next review can be conducted.

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MICHIGAN BOARD OF BOILER RULES

P.O. Box 30254  
Lansing, MI 48909  
(517) 241-9334

UTILITY/INDUSTRIAL PLANT REPAIR/INSTALLATION  
QUALIFICATION REVIEW REPORT  
(Re: Boiler Act Of 1965, Sec. 23)

Date Review Conducted  
1-31-13

Application type:  
New \_\_\_\_\_ Renewal X

1. Organization's Name and Business Address.

Ford - CONSTRUCTION SERVICES  
Name  
3001 Miller Rd Dearborn MI 48121  
Street, City, State, Zip  
Automobile MANUFACTURER  
Principal Business

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

Name EDWARD KULP  
Title MANAGER COORDINATOR

Mailing Address:

Ed Kulp  
Street Manger-Construction Services  
Rouge Site, Sold Bldg Room 106  
City 3001 Miller Rd  
Dearborn MI 48121-1496  
State (313) 323 0372 Zip  
Phone Number

3. Authorized Inspection

Agency. MA

4. ASME Symbol Stamp(s) Held: (Symbol, Number, Expiration Date)

MA, \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_;

5. National Board Symbol Stamp(s): (Symbol, Number, Exp. Date)

MA, \_\_\_\_\_; \_\_\_\_\_,

6. Are the boilers and piping owned and operated by the applicant. Yes  No

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

Section I: Boilers \_\_\_\_\_ Boiler external piping \_\_\_\_\_

Section IV: Boilers \_\_\_\_\_ Boiler non-external piping

Safety Valves: Sec. I \_\_\_\_\_ Section. IV \_\_\_\_\_

Section. VIII \_\_\_\_\_

8. Where are repairs done?

Shop \_\_\_\_\_ Field \_\_\_\_\_ Shop and Field

*Rouge complex*

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

Section I \_\_\_\_\_ Section IV \_\_\_\_\_ Section. VIII \_\_\_\_\_

Section IX  B31.1  NBIC

Michigan Boiler Law and Rules

10. Does the organization have a Quality Assurance Manual or Procedures for the work anticipated? Yes  No

11. Does the organization have and maintain a maintenance record for each exempt boiler? Yes \_\_\_\_\_ No \_\_\_\_\_ Applicant has committed to prepare and submit a logbook for Boiler Divisions comment

N/A

12. How is Heat Treatment capability provided?

In-house \_\_\_\_\_ Procedures Available \_\_\_\_\_ Sub-contracted

13. How is Non-destructive examination capability provided?

In-house \_\_\_\_\_ Procedures Available \_\_\_\_\_ Sub-  
contracted   X  

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

Yes   X   Procedures Available \_\_\_\_\_ No \_\_\_\_\_

15. What welding processes are used?

SMAW   X   SAW \_\_\_\_\_ GMAW \_\_\_\_\_ GTAW \_\_\_\_\_

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 \_\_\_\_\_

  Chris Volk    
Inspector Signature

  1/31/13    
Date

  Chris Volk    
Chief Inspector

  1/31/13    
Date

\_\_\_\_\_  
Chair., Boiler Board

\_\_\_\_\_  
Date



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GOVERNOR

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BUREAU OF CONSTRUCTION CODES  
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DIRECTOR

STEVE ARWOOD  
DIRECTOR

(Document BLR2013-4)

February 14, 2012

To: Members, Board of Boiler Rules

From: William Vallance.

Subject: Certificate Extension Request for Verso Paper Corp. Boiler MIR342394.

Verso Paper Corp. is requesting a one time extension of the current certificate until April 26, 2014 for subject boiler. I have attached copies of the boiler division's database. Also find attached a letter from Factory Mutual Insurance concurring with the extension request.

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Edit Boiler

<b>Jurisdiction Number *</b>	<input type="text" value="MIR342394"/>	<b>Status *</b>	Active
<b>Nat'l Bd. No.</b>	<input type="text" value="24665"/>	<b>Other No.</b>	<input type="text" value="24665"/>
<b>Specific Location</b>	<input type="text" value="Recovery Boiler"/>	<b>Year Built *</b>	<input type="text" value="1982"/>
<b>Year Installed *</b>	<input type="text" value="1985"/>	<b>Edit Manufacturer *</b>	Babcock & Wilcox
<b>Construction Type *</b>	<input type="text" value="Weld"/>	<b>Use *</b>	<input type="text" value="Power Boiler"/>
<b>Boiler Type *</b>	<input type="text" value="Water Tube"/>	<b>Method of Firing *</b>	<input type="text" value="Auto"/>
<b>Fuel *</b>	<input type="text" value="Liquor"/>	<b>Manhole *</b>	<input type="text" value="Yes"/>
<b>Pressure Gauge Installed? *</b>	<input type="text" value="Yes"/>	<b>Low Water Cutoff Type *</b>	<input type="text" value="Float &amp; Probe"/>
<b>Power Boiler Ht. Surface *</b>	<input type="text" value="51600"/>	<b>Min SV Rel Cap Required *</b>	<input type="text" value="600000"/>
<b>MRSVC Based On *</b>	<input type="text" value="Stamp"/>	<b>Input BTU/HR</b>	<input type="text" value="0"/>
<b>Previous Pressure Allowed</b>	<input type="text" value="800"/>	<b>Certificate Duration (MO) *</b>	<input type="text" value="12"/>
<b>Cert Exp Date *</b>	<input type="text" value="10/03/2013"/>	<b>Max Design Temp (HWH, HWS)</b>	<input type="text" value="0"/>
<b>ASME Stamp</b>	<input type="text" value="Unknown"/>		
<b>Object Comments</b>	<input type="text" value="USE: Power Boiler;; SV SET: 669;; INSP AGENCY:FM GL; Method of Firing:Automatic; Method of Firing:Auto; LWCO Type:Float and"/>		
<b>Permit Number</b>	N/A		
<b>System Number</b>	JO1212701		

\* Required Field

**[-] Scheduled Events for this Object**

- [edit](#) External Non-Cert - Next:7/12/2013
- [edit](#) Internal Cert - Next:10/3/2013

**[-] Inspection History**

- [View](#) 06/10/04 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/07/04 - Non-Certificate External Inspection
- [View](#) 04/28/05 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 10/13/05 - Non-Certificate External Inspection
- [View](#) 10/12/06 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 02/28/07 - Non-Certificate External Inspection
- [View](#) 10/29/07 - Non-Certificate External Inspection
- [View](#) 04/23/08 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 11/04/08 - Non-Certificate External Inspection
- [View](#) 04/30/09 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 11/10/09 - Non-Certificate External Inspection
- [View](#) 04/20/10 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 09/28/10 - Non-Certificate External Inspection
- [View](#) 05/05/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 08/23/11 - Non-Certificate External Inspection
- [View](#) 07/12/12 - Non-Certificate External Inspection
- [View](#) 10/03/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued

**[-] Past Recommendations and Violations for this Object**

No Record(s)

**[-] Tests**

No Record(s)

**[-] Repairs**

No Record(s)

**[-] Permits**

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



Received

February 13, 2013

FEB 20 2013

Boiler Division

Attn: Mr. William Vallance  
Board of Boiler Rules  
Bureau of Construction Codes - Boiler Division  
P.O Box 30254  
Lansing, MI 48909

RE: Request for Extension of Inspection Certificate for Boiler MIR342394

Dear Mr. Vallance,

Verso Paper's Quinnesec facility is requesting a one-time extension on the current Inspection Certification for our No. 1 Recovery Boiler. This boiler was manufactured by B&W, began installation in 1982, and was put into service in 1985.

State # MIR342394, NB #/MFG#: 24665.

The boiler's last internal inspection date was October 3, 2012, with the current certificate expiring on October 3, 2013.

This request is to extend the current certificate expiration date to April 26, 2014 in order to support the Quinnesec Mill's strategic plans. Several projects in our paper making process and black liquor processing require extended lead time to engineer and procure. If approved, our schedule is to take this boiler off-line April 26, 2014 for an internal inspection and repair.

Enclosed, you will find a supporting letter from our Insurance Company Representative and Account Manager, Cindy Elliot. As a "Premier" status rating, FM Global is supportive of up to a 24-month pre-approved inspection frequency on this boiler.

Please contact me if additional technical information or documentation is required to support our request.

Respectfully,

A handwritten signature in black ink, appearing to read 'Keith Dennis', is written over a white background.

Keith Dennis  
Manager of Recovery and Utilities  
Verso - Quinnesec Mill  
906-779-3350

Enclosures (2)



Factory Mutual Insurance Company  
5700 Granite Parkwy, Suite 700  
Plano, Texas 75024 USA  
T: 972 377 4808 F: 972 731 1800 www.fmglobal.com

February 5, 2013

Mr. Keith Dennis  
Recovery & Utilities Manager  
Verso Paper Holdings, LLC  
3 Miles South of Iron Mountain  
Quinnesec, MI

Reference: No. 1 Recovery Boiler Extended Operating Interval  
Account No. 01-52426  
Index No. 59797.00  
State of Michigan Recovery Boiler MIR342394

Dear Keith:

FM Global has reviewed the "Premier" rated No.1 Recovery Boiler with respect to the mill's request to extend the normal 12 month operating interval to a maximum of 24 months. The boiler was last internally inspected in October 2012 and was returned to liquor firing on October 7, 2012. This boiler is pre-approved for operation up to 24-months, not to exceed operation past October 7, 2014.

FM Global supports the exception to our policy for the extended run based on our review and compliance with the following requirements:

- The No. 1 Recovery Boiler must be shut down for a full internal inspection on or before October 7, 2014.
- We receive your written acceptance of this letter and of the terms and conditions herein contained.
- The boiler shall be continuously maintained and operated in accordance with the FM Global "28 provisions for pre-approved extended operation" (Attachment 'A') in accordance with the FM Global "Premier" BLRB classification program.
- FM Global approval for extended operation is contingent upon Jurisdictional approval for extended operation of the BLRB. It is Verso's responsibility to obtain all required Jurisdictional approvals.
- Any pressure part failures must be reported to FM Global. Any failure that resulted (or should have resulted) in an ESP will be closely reviewed and may be grounds for re-evaluating the extension approval.
- A simulated ESP test will be conducted between 9 and 14 months of operation.
- An assessment is conducted to determine the need for smelt spout replacement. This assessment shall be conducted jointly between FM Global and the mill. The assessment should consider past operating history, experience from post-overhaul dissection, results of any inspection conducted, as well as physical and operating changes made to the boiler.



I look forward to receiving Verso's confirmation of agreement to the conditions set out above for the extended operating period of No.1 Recovery Boiler.

Please feel free to call me or Dave Lang if there are any questions.

Regards,

A handwritten signature in cursive script that reads "Cindy Elliott".

Cindy Elliott  
Senior Account Manager

CC: FM Global, Plano, TX:

Mr. Kevin Bradshaw  
Mr. Dave Johnson  
Mr. Dave Rotchadl  
Mr. Scott Crysel  
Mr. Dave Lang  
Mr. Clint Farrell  
Mr. Mike Kern  
Mr. Matt Wouters  
Mr. Mark Machut

Verso Paper

Mr. Ed Chaperon  
Mr. David Sams  
Mr. Majed Ja'arah  
Mr. Michael Naumann

MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
BUREAU OF CONSTRUCTION CODES/BOILER DIVISION  
P.O. BOX 30254, LANSING, MICHIGAN 48909  
517-241-9334

## CERTIFICATE OF BOILER INSPECTION

THE HEREIN DESCRIBED BOILER IS APPROVED FOR OPERATION AT A PRESSURE NOT TO EXCEED THE MAXIMUM OPERATING PRESSURE SPECIFIED HEREON, PROVIDED THE OWNER/USER HAS COMPLIED WITH ALL REQUIREMENTS OF 1965 PA 290, AS AMENDED AND THE RULES AND REGULATIONS PROMULGATED BY THE DIRECTOR OF THE DEPARTMENT. INSTALLATION, REINSTALLATION, ALTERATION, OR REPAIR OF THIS BOILER MUST BE IN STRICT CONFORMITY WITH THE REQUIREMENTS OF 1965 PA 290 AND THE BOILER RULES AND REGULATIONS. THE HOLDER OF THIS CERTIFICATE SHALL NOTIFY THE CHIEF INSPECTOR OF EVERY ACCIDENT INVOLVING PERSONAL INJURY OR DAMAGE TO THIS BOILER.

### OWNER/USER

Verso Paper Holdings LLC - D. Narmela  
PO Box 271  
Norway, MI 49870-0271

### LOCATION

Verso Paper  
US HWY 2  
Quinnesec, MI 49876

Irvin J. Poke, AIA  
Director

MANUFACTURER: Babcock & Wilcox

STATE NO: MIR342394

BOILER TYPE: Water Tube

NB# / MFG#: 24665

YEAR BUILT: 1982

DATE INSP: 10/03/2012

MAX OPR PRESS: 800

EXP DATE: 10/03/2013

SV PRESS: 800

INSPECTOR: Matthew Wouters

William Vallance  
Chief, Boiler Division

PLACE IN BOILER ROOM

BCC-300 (Rev 5/11)



RICK SNYDER  
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IRVIN J. POKE  
DIRECTOR

STEVE ARWOOD  
DIRECTOR

(Document BLR2013-8)

February 26, 2013

To: Members, Board of Boiler Rules

From: William Vallance.

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

Packaging Corporation of America is requesting a one time extension of the current certificate until October 2013 for subject boiler. I have attached copies of the boiler division's database. Also find attached a letter from Factory Mutual Insurance concurring with the extension request.

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February 27, 2013

William Vallance  
Chief, Boiler Division  
Department of Licensing and Regulatory Affairs

Dear Mr. Vallance,

The Packaging Corporation of America Filer City Mill is requesting an extension to operate two power boilers for an additional four months without an internal inspection. The affected units are State Nos. MIR044537 and MIR046937. Both units were last inspected in May, 2012 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 shut down to October instead of May due to scheduling conflicts with other internal shutdowns and economic pressure to maintain production during the spring. The mill production is significantly limited and mill stability is compromised if either 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 in either unit 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.

Sincerely,

A handwritten signature in black ink that reads "Ron Blevins". The signature is written in a cursive style with a long, sweeping tail on the final letter.

Ron Blevins  
Pulp and Power Manager  
PCA Filer City  
2246 Udell St.  
Filer City, MI 49634  
Email [rblevins@packagingcorp.com](mailto:rblevins@packagingcorp.com)  
Tel 231-723-9951 ext. 332



February 28, 2013

Mr. Bill Vallence/ State of Michigan Boiler Board,

Dear Sirs:

This is in regards to the request for extension by Packaging Corporation (Filer City) request for extension of Certificate on boiler MIR 44537 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 9/29/12 and last internal inspection performed in May of 2012. Other than minor comments, no adverse conditions were noted.

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  
FM Global  
Jurisdictional Inspector  
(Signature on File)

Edit Boiler

Support | Help

<b>Jurisdiction Number *</b>	<input type="text" value="MIR044537"/>	<b>Status *</b>	Active
<b>Nat'l Bd. No.</b>	<input type="text" value="17584"/>	<b>Other No.</b>	<input type="text" value="17584"/>
<b>Specific Location</b>	<input type="text" value="Powerhouse"/>	<b>Year Built *</b>	<input type="text" value="1952"/>
<b>Year Installed *</b>	<input type="text" value="1953"/>	<b>Edit Manufacturer *</b>	Babcock & Wilcox
<b>Construction Type *</b>	<input type="text" value="Weld"/>	<b>Use *</b>	<input type="text" value="Power Boiler"/>
<b>Boiler Type *</b>	<input type="text" value="Water Tube"/>	<b>Method of Firing *</b>	<input type="text" value="Auto"/>
<b>Fuel *</b>	<input type="text" value="Coal"/>	<b>Manhole *</b>	<input type="text" value="Yes"/>
<b>Pressure Gauge Installed? *</b>	<input type="text" value="Yes"/>	<b>Low Water Cutoff Type *</b>	<input type="text" value="Accepted Device"/>
<b>Power Boiler Ht. Surface *</b>	<input type="text" value="17584"/>	<b>Min SV Rel Cap Required *</b>	<input type="text" value="200000"/>
<b>MRSVC Based On *</b>	<input type="text" value="Stamp"/>	<b>Input BTU/HR</b>	<input type="text" value="281344000"/>
<b>Previous Pressure Allowed</b>	<input type="text" value="675"/>	<b>Certificate Duration (MO) *</b>	<input type="text" value="12"/>
<b>Cert Exp Date *</b>	<input type="text" value="05/15/2013"/>	<b>Max Design Temp (HWH, HWS)</b>	<input type="text" value="0"/>
<b>ASME Stamp</b>	<input type="text" value="Unknown"/>		
<b>Object Comments</b>	<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"/>		
<b>Permit Number</b>	N/A		
<b>System Number</b>	JO1164569		

\* Required Field

**[-] Scheduled Events for this Object**

- [edit](#) External Non-Cert - Next:9/29/2013
- [edit](#) Internal Cert - Next:5/15/2013
- [edit](#) Recurring Cert - Next:5/15/2013

**[-] 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

**[-] Past Recommendations and Violations for this Object**

No Record(s)

**[ - ] Tests**

No Record(s)

**[ - ] Repairs**

No Record(s)

**[ - ] Permits**

No Record(s)

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User Name: William Vallance  
Employer : State of Michigan

Edit Boiler

[Support](#) | [Help](#)

<b>Jurisdiction Number *</b>	<input type="text" value="MIR046937"/>	<b>Status *</b>	Active
<b>Nat'l Bd. No.</b>	<input type="text" value="16580"/>	<b>Other No.</b>	<input type="text" value="16580"/>
<b>Specific Location</b>	<input type="text" value="Powerhouse"/>	<b>Year Built *</b>	<input type="text" value="1949"/>
<b>Year Installed *</b>	<input type="text" value="1950"/>	<b>Edit Manufacturer *</b>	Babcock & Wilcox
<b>Construction Type *</b>	<input type="text" value="Weld"/>	<b>Use *</b>	<input type="text" value="Power Boiler"/>
<b>Boiler Type *</b>	<input type="text" value="Water Tube"/>	<b>Method of Firing *</b>	<input type="text" value="Auto"/>
<b>Fuel *</b>	<input type="text" value="Coal"/>	<b>Manhole *</b>	<input type="text" value="Yes"/>
<b>Pressure Gauge Installed? *</b>	<input type="text" value="Yes"/>	<b>Low Water Cutoff Type *</b>	<input type="text" value="Float &amp; Probe"/>
<b>Power Boiler Ht. Surface *</b>	<input type="text" value="16580"/>	<b>Min SV Rel Cap Required *</b>	<input type="text" value="200000"/>
<b>MRSVC Based On *</b>	<input type="text" value="Stamp"/>	<b>Input BTU/HR</b>	<input type="text" value="265280000"/>
<b>Previous Pressure Allowed</b>	<input type="text" value="675"/>	<b>Certificate Duration (MO) *</b>	<input type="text" value="12"/>
<b>Cert Exp Date *</b>	<input type="text" value="05/15/2013"/>	<b>Max Design Temp (HWH, HWS)</b>	<input type="text" value="0"/>
<b>ASME Stamp</b>	<input type="text" value="Unknown"/>		
<b>Object Comments</b>	<input type="text" value="USE: Power Boiler;; SV SET: 640;; INSP AGENCY:FM GL; Method of Firing:Automatic; Method of Firing:Auto; LWCO Type:Probe Type;"/>		
<b>Permit Number</b>	N/A		
<b>System Number</b>	JO1203858		

\* Required Field

**[-] Scheduled Events for this Object**

- [edit](#) External Non-Cert - Next:9/29/2013
- [edit](#) Internal Cert - Next:5/15/2013
- [edit](#) Recurring Cert - Next:5/15/2013

**[-] 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

**[-] 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)

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User Name: William Vallance  
Employer : State of Michigan

View/Edit Location Details - 1167378

Support | Help

- What do you want to do...
  - > Add A Contact
  - > Add An Object
  - > Add Inspection
  - > Delete Location
  - > Modify Insurance For Objects
  - > Print Inspection Worksheet for Highlighted Location
  - > Schedule Activity

Edit Location Information

**Location Name:** Packaging Corporation of America **Location Phone:** - JO **Location #:** 1167378  
**Address:** 2246 Udell St, Filer City, MI, 49634, USA  
**County:** Manistee **FIPS:** 26101 **Lat:** 0.000000 **Long:** 0.000000 **Alt Location #:** - **County Property #:** -

**Nature of Business**

**Mail To Contacts For State of Michigan**

**Primary choose**  **Invoice choose**   
**Certificate choose**  **Owner choose**   
**County Code**

**Boilers/Pressure Vessels**

**BPV Comments**

**BPV Invoice History**

**BPV Violations**

**Contacts**

Comments

[Add Shared](#) [Add My Company](#)

Comments to Display  Please note that all Comments are displayed in Central Time

**Shared - Deb Jaquette on Jun 24 2010 7:40AM**

[remove](#) REPAIR PERMIT 049457R. 6/24/10. DSJ

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User Name: William Vallance  
 Employer : State of Michigan

**Rambo, Lisa (LARA)**

---

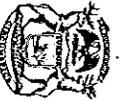
**From:** Vallance, Bill (LARA)  
**Sent:** Tuesday, February 26, 2013 12:44 PM  
**To:** 'rblevins@packagingcorp.com'; 'Muterspaugh, Michael'  
**Cc:** Rambo, Lisa (LARA); Joseph.Gall@FMGlobal.com; 'Roger D Jenkins'  
**Subject:** Extension request.  
**Importance:** High

Men,

The Boiler Division is revising the Boiler Board Meeting agenda for March 12th, 2013 to include certificate extension requests for Boilers mir044537 and mir046937. To conclude the revision of the agenda I need from you two letters. One will be from the plant as to the reasons why extensions are requested,(note also discuss why not one at a time) and one from FM Global agreeing with the request.

I must have these letters via email for my review no later than 12 noon on Monday 3/4/2013.

William Vallance  
Chief, Boiler Division  
Department of Licensing and Regulatory Affairs  
PH: 517 241 9334  
Fax: 517 241 6301



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
BUREAU OF CONSTRUCTION CODES

IRVIN J. POKE  
DIRECTOR

STEVE ARWOOD  
DIRECTOR

(Document BLR2013-5)

ACCIDENT REPORT MARCH 2013 BOARD MEETING

BOILER LOCATION	BOILER NUMBER	BOILER TYPE	PRESSURE AND USE	TYPE OF FAILURE	CAUSE OF FAILURE	DAMAGE TO BOILER	NUMBER INJURED	DATE OF FAILURE	DATE OF INVESTIGATION	INSURANCE OR STATE
St. Johns High School	MIR403706	FT	100	Boiler Overheated	Sediment build up created hotspot and the eventual bulge and crack	Bulging and cracking of sidewall	0	11/20/2012	11/30/2012	Insurance
Bulldog Boiler	MIR381939	FT	200	Dry Fire	The DA tank steam tap ball valve broke off the main steam line resulting in the boiler seeing an instant infinite load with resultant rapid pressure drop.	Tube sheet overheated shell blistered, tube sagged	0	12/11/2012	12/11-13 2012	State of MI

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer

Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

P.O. BOX 30254 • LANSING, MICHIGAN 48909

www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

Received

DEC 04 2012

Boiler Division

Accident Report - Boiler or Pressure Vessel  
Michigan Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes / Boiler Division  
P.O. Box 30254, Lansing, MI 48909  
517-241-9334

ACCIDENT DATE	11-20-2012
<input type="checkbox"/> BOILER EXPLOSION	
<input type="checkbox"/> FURNACE EXPLOSION	
<input type="checkbox"/> DRY FIRED	
<input checked="" type="checkbox"/> OTHER (Explain)	BULGING/CRACKING

Authority: 1965 PA 290 Completion: Mandatory Penalty: None	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
--	--

Mail original copy of accident report to the address listed above.

Boiler Information

BOILER LOCATION				
ST. JOHNS HIGH SCHOOL				
ADDRESS	CITY	STATE	ZIP CODE	
501 W. SICKLES ST.	ST. JOHNS	MI	48879	
OWNER NAME				
ST. JOHNS SCHOOL DISTRICT				
ADDRESS	CITY	STATE	ZIP CODE	
SAME				
BOILER CONSTRUCTION		BOILER TYPE		
<input checked="" type="checkbox"/> WELDED <input type="checkbox"/> RIVET <input type="checkbox"/> LAP <input type="checkbox"/> MECHANICAL ASSEMBLY		<input checked="" type="checkbox"/> FET <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER (Specify)		
BOILER MANUFACTURER				
ALDRICH				
STATE NUMBER	MFG. SERIAL NUMBER	NATIONAL BOARD NUMBER	MAWP	YEAR BUILT
M 403706	M 03F-0665	12749	100 PSI	2003
SAFETY / RELIEF VALVE INSTALLED		SET PRESSURE	ASME / NB STAMPED	CAPACITY
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	3,000 LB/HR
BOILER USED FOR				
<input type="checkbox"/> POWER <input type="checkbox"/> PROCESS <input type="checkbox"/> STEAM HEATING <input checked="" type="checkbox"/> HWH <input type="checkbox"/> HWS <input type="checkbox"/> OTHER (Specify)				
CSD-1 TESTING		CSD-1 TEST LAST PERFORMED	BY WHOM	BTU / HR INPUT
<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA				3,300,000
IS CERTIFICATE CURRENT			EXPIRATION DATE	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			7-19-2012	
DOES JURISDICTION REQUIRE LICENSED OPERATOR			WERE OPERATORS LICENSED OR REGISTERED	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
TYPE OF BUSINESS WHERE USED		NUMBER KILLED	NUMBER INJURED	
HIGH SCHOOL		0	0	

Personal Injury

NAME OF PERSON INJURED	NAP	NAME OF PERSON INJURED	
ADDRESS OF PERSON INJURED		ADDRESS OF PERSON INJURED	
EXTENT OF INJURY		EXTENT OF INJURY	
HOSPITALIZED	<input type="checkbox"/> YES <input type="checkbox"/> NO	HOSPITALIZED	<input type="checkbox"/> YES <input type="checkbox"/> NO

Witnesses Interviewed

NAME	ADDRESS	CITY	STATE	ZIP CODE
CHUCK MORRIS	MORRIS MECHANICAL	PERRY	MI	
(517) 202-	7183 CELL			
NAME	ADDRESS	CITY	STATE	ZIP CODE

**Accident**

PROPERTY DAMAGE (Be Specific. Include dollar amounts. Attach a separate page if necessary)

NAP

TYPE OF ACCIDENT (Explosion, Dry Fired, Rupture, etc.)

BOILER OVERHEATED & CREATED A BULGE & CRACK ON SIDEWALL AT BOTTOM NEAR REFRACTOR

DESCRIBE THE CAUSE AND EVENTS WHICH PRECEDED THE ACCIDENT. DESCRIBE IN DETAIL THE EXTENT AND PARTS DAMAGED.

APPARENT LEAK IN HWH SYSTEM PIPING CALLED FOR FRESH WATER MAKE-UP TO BANK OF (4) LIKE KIND BOILERS. SEDIMENT BUILD-UP HAS CREATED HOT SPOTS & THE EVENTUAL BULGE & CRACK.

DAMAGE TO BOILER <p style="text-align: center; font-size: 1.5em;">BULGING &amp; CRACKING OF SIDEWALL</p>	CAN BOILER BE REPAIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IS REPAIR PERMIT REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
---	---

WERE DAMAGED PARTS EXAMINED

YES    NO   IF NO, WHY NOT \_\_\_\_\_

BASED ON YOUR INVESTIGATION, PROVIDE YOUR OPINION OF THE CAUSE OF ACCIDENT

SEE ABOVE

INSPECTOR'S RECOMMENDATION

DEPENDING ON COST OF REPAIR, REPLACEMENT MAY BE DESIRED APPROACH.

WHAT HAS BEEN DONE OR WILL BE DONE TO PREVENT RECURRENCE OF LIKE OR SIMILAR FAILURES

THE LEAK IN HWH PIPING IS REPORTED TO HAVE BEEN CORRECTED. ADJACENT BOILERS TO BE CHEMICAL CLEANED & INSPECTED FOR DAMAGE.

**Other Investigative Agencies**

WERE OTHER INVESTIGATIVE AGENCIES INTERVIEWED		IS A REPORT AVAILABLE		WERE PHOTOGRAPHS TAKEN		ARE PHOTOGRAPHS ATTACHED TO REPORT	
<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
NAME	ADDRESS	CITY	STATE	ZIP CODE			
NAME	ADDRESS	CITY	STATE	ZIP CODE			

**Inspector**

NAME OF INSPECTOR	LICENSE NUMBER	DATE OF REPORT
DENNIS DOBRANSKY	300531	11-30-2012

Support | Help

SJPS St Johns High School 501 W Sickles St , Saint Johns, MI, 48879-2173

[-] Boiler Details

Jurisdiction Number \*  Status \* Scrapped Nat'l Bd. No.  Owner or Batter No.

Other No.  Specific Location  Year Built \*

Year Installed \*  [Edit Manufacturer](#) Aldrich Construction Type \*  Use \*

Boiler Type \*  Method of Firing \*  Fuel \*

Manhole \*  Pressure Gauge Installed? \*  Low Water Cutoff Type \*

Power Boiler Ht. Surface \*  Min SV Rel Cap Required \*  MRSVC Based On \*

Input BTU/HR  Previous Pressure Allowed  Certificate Duration (MO) \*

Cert Exp Date \*  Max Design Temp (HWH, HWS)  ASME Stamp \*

\* Required Field

[-] Inspection Details

Current Certificate Expires: 07/19/2012

Inspection Type: External Cert

Condition OK to Issue Cert. \*  Inspection Date \*  Pressure Allowed \*

S.V. Tested  Rule 27 Complied \*  Safety Valve Set At \*  Total Capacity of Safety

\* Required Field

[-] Object/Inspection Comments

Inspection Comments

Pr1 Inspection, "Cert Posted" is not tracked in the legacy MI DB, "Conditions OK to issue cert" is not tracked in the legacy MI DB. Date: Jul 20 200; Rule 27: ; MC: 3.00; I/E: 2.00; L/B: B; Total Cap SVC: 5400000.00; Insp #: 300920.00; Ins Co #: 497.00; Invoice #: BLR0669159; Insp Type: REINSP;

Object Comments [Click here to change Object Comments](#)

Method of Firing: Automatic; Method of Firing:Auto; LWCO Type:Probe Type; Boiler Type:Fire Tube; Boiler Use:Hot Water Heating

[-] Object History

[-] Scheduled Events for this Object

[edit](#) External Cert - Next:7/19/2012

[-] Inspection History

[View](#) 12/17/03 - Certificate External Inspection - Certificate Issued

[View](#) 08/17/06 - Certificate External Inspection - Certificate Issued

[View](#) 07/20/09 - Certificate External Inspection - Certificate Issued

[-] Past Recommendations and Violations for this Object

No Record(s)

[-] Tests

No Record(s)

[-] Repairs

No Record(s)

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User Name: Lisa Rambo  
Employer : State of Michigan

## Accident Follow-up

**From:** Manente, Frank A. (LARA) Deputy Boiler Inspector  
**Sent:** Wednesday, February 20, 2013 8:25 AM  
**To:** Vallance, Bill (LARA); Moore, Mark S. (LARA)  
**Subject:** accident @ St Johns High School

Conditions of boiler MIR403706 at St Johns High School 2/19/2013.

- 1) Burner removed to access combustion chamber (boiler is isolated from system)
- 2) Inside approximately two foot bulge at bottom left with about a 4" vertical crack
- 3) 1 ½" drain opening at bottom used for inspection is plugged with a black paste like sludge going all the way around and 6 to 8 inches deep

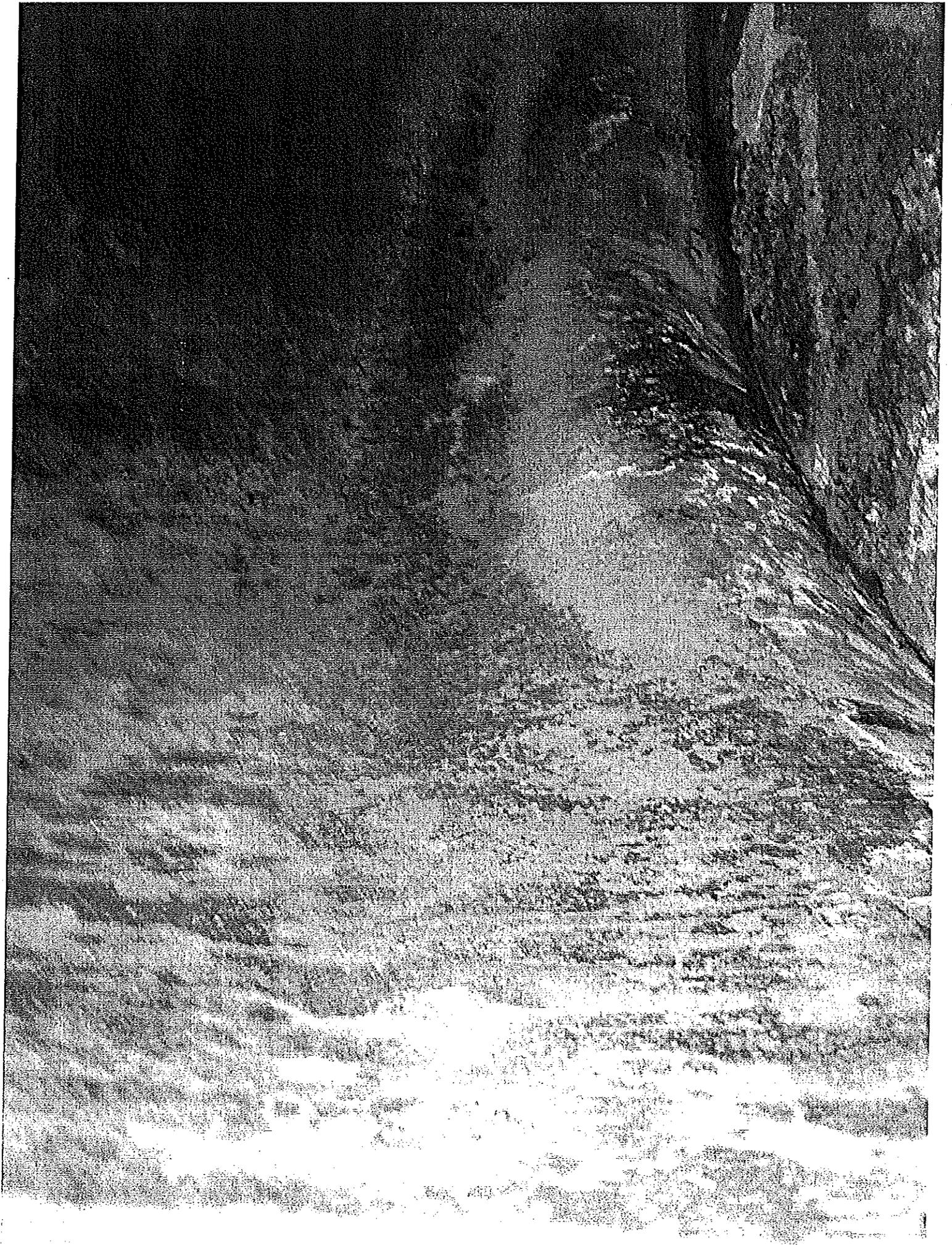
Let me know if any more info is needed.

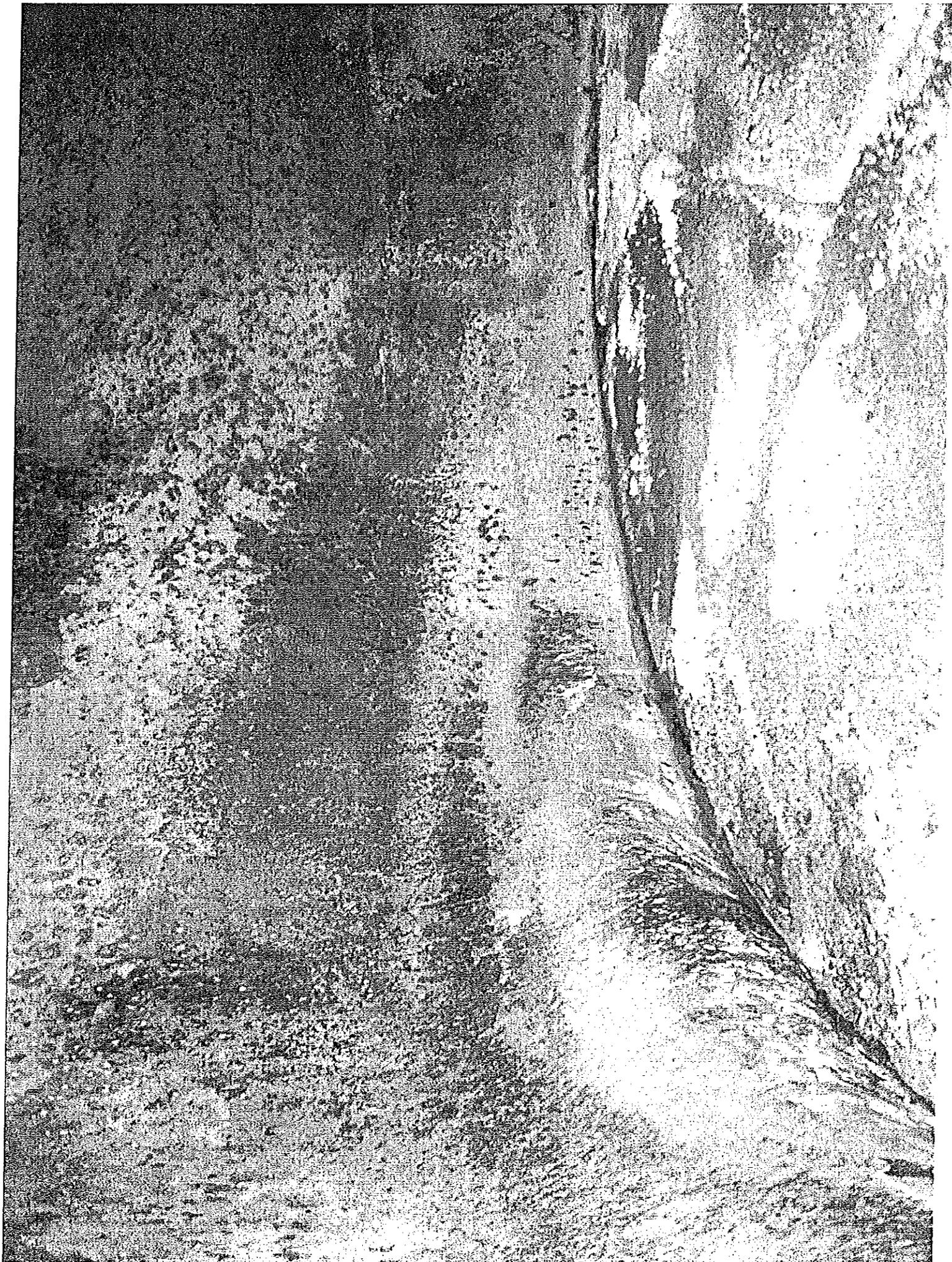
Frank Manente/Boiler

From William Vallance,

I had a phone conversation on 2/20/2013 with a boiler installer/repairer, Morris Mechanical, Mr. Chuck Morris who has serviced this location for years. I asked him his opinion of the cause of the sludge build-up in the boiler. He indicated the school has had several leaking hydronic pipes causing raw water to be placed into the system overloading the chemical treatment program. He has been contracted to complete a boiler repair of the areas of the boilers that have failed.

He also indicated 2 other boilers have had a complete sludge clean out of the boilers because of the sludge build up and this one was next on the to do list.









Received

DEC 13 2012

Boiler Division

**Accident Report - Boiler or Pressure Vessel**  
 Michigan Department of Licensing and Regulatory Affairs  
 Bureau of Construction Codes / Boiler Division  
 P.O. Box 30254, Lansing, MI 48909  
 517-241-9334

ACCIDENT DATE
<input type="checkbox"/> BOILER EXPLOSION
<input type="checkbox"/> FURNACE EXPLOSION
<input checked="" type="checkbox"/> DRY FIRED
<input type="checkbox"/> OTHER (Explain)

Authority: 1985 PA 250 Completion: Mandatory Penalty: None	LARA is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
--	--

Mail original copy of accident report to the address listed above.

**Boiler Information**

BOILER LOCATION				
ADDRESS		CITY	STATE	ZIP CODE
OWNER NAME BULLDOG BOILER				
ADDRESS 1641 CANIFF		CITY HAMTRAMCK	STATE MICHIGAN	ZIP CODE 48212
BOILER CONSTRUCTION <input checked="" type="checkbox"/> WELD <input type="checkbox"/> RIVET <input type="checkbox"/> LAP <input type="checkbox"/> MECHANICAL ASSEMBLY		BOILER TYPE <input checked="" type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER (Specify)		
BOILER MANUFACTURER JOHNSTON				
STATE NUMBER M 381939 M	MFG. SERIAL NUMBER 538AH62005	NATIONAL BOARD NUMBER 4883	MAWP 2.00 PSI	YEAR BUILT 1965
SAFETY / RELIEF VALVE INSTALLED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (4)		SET PRESSURE 150 PSI	ASME / NB STAMPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	CAPACITY 43456 B/LK
BOILER USED FOR <input checked="" type="checkbox"/> POWER <input type="checkbox"/> PROCESS <input type="checkbox"/> STEAM HEATING <input type="checkbox"/> HWH <input type="checkbox"/> HWS <input type="checkbox"/> OTHER (Specify) BUILDING STEAM (H.S) HEAT				
CSD-1 TESTING <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA		CSD-1 TEST LAST PERFORMED 11-17-2012	BY WHOM MARK CARNEY	BTU / HR INPUT 5000000
IS CERTIFICATE CURRENT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		EXPIRATION DATE		
DOES JURISDICTION REQUIRE LICENSED OPERATOR <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WERE OPERATORS LICENSED OR REGISTERED <input type="checkbox"/> YES <input type="checkbox"/> NO		
TYPE OF BUSINESS WHERE USED VACANT FACTORY BUILDING		NUMBER KILLED	NUMBER INJURED	

**Personal Injury**

NAME OF PERSON INJURED	NAME OF PERSON INJURED
ADDRESS OF PERSON INJURED	ADDRESS OF PERSON INJURED
EXTENT OF INJURY	EXTENT OF INJURY
HOSPITALIZED <input type="checkbox"/> YES <input type="checkbox"/> NO	HOSPITALIZED <input type="checkbox"/> YES <input type="checkbox"/> NO

**Witnesses Interviewed**

NAME RICHARD WELLS	ADDRESS 1641 CANIFF	CITY HAMTRAMCK	STATE MI	ZIP CODE 48212
NAME MARK CARNEY	ADDRESS 1641 CANIFF	CITY HAMTRAMCK	STATE MI	ZIP CODE 48212
NAME	ADDRESS	CITY	STATE	ZIP CODE

**Accident**

PROPERTY DAMAGE (Be Specific. Include dollar amounts. Attach a separate page if necessary)

Boiler Total Loss (opinion) \$1,200,000.00

TYPE OF ACCIDENT (Explosion, Dry Fire, Rupture, etc.)

Dry Fire

DESCRIBE THE CAUSE AND EVENTS WHICH PRECEDED THE ACCIDENT. DESCRIBE IN DETAIL THE EXTENT AND PARTS DAMAGED.

SEE ATTACHED SHEET

DAMAGE TO BOILER

TUBE SHEET OVERHEATED, SHELL BLISTERS, TUBES SAGGED

CAN BOILER BE REPAIRED

YES  NO (OPINION)

IS REPAIR PERMIT REQUIRED

YES  NO

WERE DAMAGED PARTS EXAMINED

YES  NO IF NO, WHY NOT.

BASED ON YOUR INVESTIGATION, PROVIDE YOUR OPINION OF THE CAUSE OF ACCIDENT

SEE ATTACHED SHEET

INSPECTOR'S RECOMMENDATION

DECOMMISSION + SCRAP OUT BOILER  
INSTALL EXPANSION LOOP IN STEAM LINE TO PLANT

WHAT HAS BEEN DONE OR WILL BE DONE TO PREVENT RECURRENCE OF LIKE OR SIMILAR FAILURES

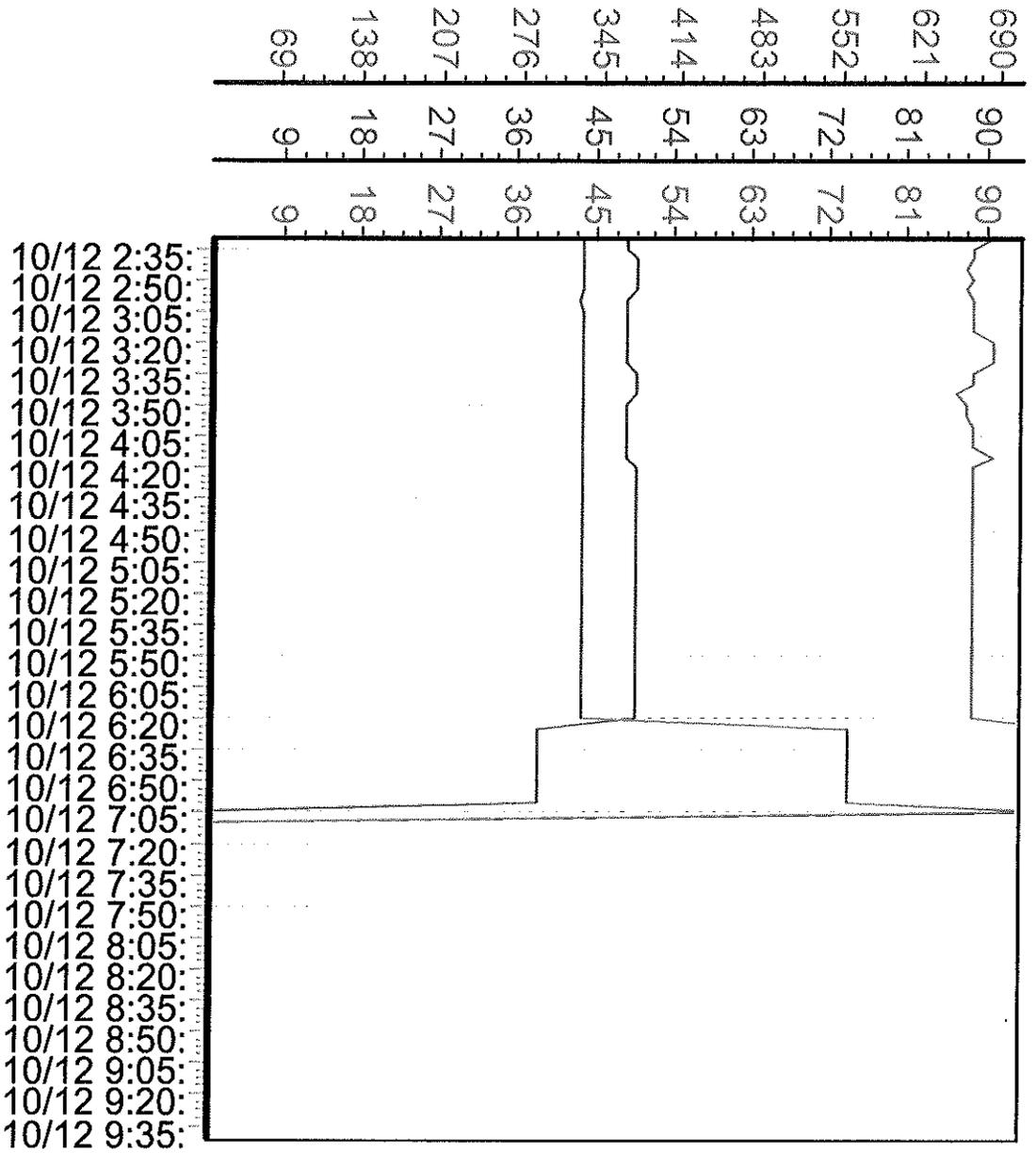
Information To Follow

**Other Investigative Agencies**

WERE OTHER INVESTIGATIVE AGENCIES INTERVIEWED		IS A REPORT AVAILABLE		WERE PHOTOGRAPHS TAKEN		ARE PHOTOGRAPHS ATTACHED TO REPORT	
<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO E-MAILED
NAME	ADDRESS	CITY	STATE	ZIP CODE			
NAME	ADDRESS	CITY	STATE	ZIP CODE			

**Inspector**

NAME OF INSPECTOR	LICENSE NUMBER	DATE OF REPORT
DAVE STENROSG	1077	12-11-13-2012



— Load Index (0-100%)  
 — Actual Value (0-100 psi)  
 — Exhaust (0-750 °F)

**Narrative Report**  
Michigan Department of Energy, Labor & Economic Growth  
Bureau of Construction Codes / Boiler Division  
P.O. Box 30254, Lansing, MI 48909  
517-241-9334  
Authority: 1965 PA 260

NAME OF OWNER <b>Bulldog Boiler</b>				
OWNER ADDRESS <b>1641 Caniff</b>		CITY <b>Hamtramck</b>	ZIP CODE <b>48212</b>	COUNTY <b>Wayne</b>
BOILER LOCATION NAME <b>American Axle</b>				
LOCATION ADDRESS <b>Poland Avenue Gate</b>		CITY <b>Hamtramck</b>	ZIP CODE <b>48212</b>	COUNTY <b>Wayne</b>
NATURE OF REPORT <b>Attachment to accident report</b>				
LICENSEE NAME		LICENSEE COMPANY NAME		LICENSE NUMBER AND CLASS
BOILER NUMBER <b>MIR381939</b>	PERMIT NUMBER	VIOLATION NUMBER		INVOICE NUMBER
MAKE <b>Johnston</b>	PRESSURE <b>150 psi</b>	SIZE BTU/LBS <b>40000000</b>	TYPE <b>Fire Tube</b>	YEAR <b>1965</b>

**Describe the preceeding cause and events:**

Rental boilers (2) installed to provide building heating steam to a large, vacant auto parts plant of several hundred thousand square feet. Boiler MAWP = 200psi, safety valves (4) set at 150psi, boiler controls set for 50psi steam. Subject boiler placed on line on 11/17/2012. Load on boiler steady at 80% to 90% . Steam enters plant through 150' of 4" 150psi insulated pipe, roller supported on building roof, anchored at roof penetration and at boiler manifold. Taps into existing building heating system. The water trailer D.A. tank blanketing steam tap is a 2" brass ball valve about 20' downstream from the boiler.

At about 6:15PM the boiler load jumped to 100% , steam pressure fell to about 40psi and exhaust temperature rose to 552F. At about 7:05PM, steam pressure fell to 0, exhaust temperature spiked to over 690F, then fell to ambient. When Mr. Carney entered the plant at about 7:20PM, the boiler was off and the control enclosure upper corners were on fire, which Mr. Carney extinguished. Only one boiler was in use at the time of the accident.

**Opinion of the cause of accident:**

The D.A. tank steam tap ball valve broke off from the main steam line resulting in the boiler seeing an instant, infinite load, with resultant rapid pressure drop. The pressure drop in the boiler caused rapid foaming and carryover. The water line fell, but the foaming action kept the boiler shell LWCO probe wet enough to give a false indication of a water level. The front chamber mounted LWCO probes were kept submerged by the siphon effect as water was drawn into the bottom of the chamber by the low pressure at the top. The tube bundle portion above the Morrison tube was not provided sufficient cooling due to the low heat transfer properties of the foaming bubble mass. I think the 25 minute duration of the event, as the water violently boiled away (feed tanks ran dry during the event), the LWCO probes remained wetted, and the boiler fired at 100% was the cause of the dry fire and damage to the boiler.

Photographs sent in a seperate E-mail.

INSPECTOR SIGNATURE	INSPECTOR NUMBER <b>1077</b>	REPORT DATE <b>12/11-13/2012</b>
---------------------	---------------------------------	-------------------------------------

Support | Help

Bulldog Boiler Rental Ltd 1641 Caniff St , Hamtramck, MI, 48212-2914

[-] Boiler Details

Jurisdiction Number \*  Status \* Active Nat'l Bd. No.  Owner or Batter No

Other No.  Specific Location  Year Built \*

Year Installed \*  Edit Manufacturer Johnston Boiler Co. Construction Type \*  Use \*

Boiler Type \*  Method of Firing \*  Fuel \*

Manhole \*  Pressure Gauge Installed? \*  Low Water Cutoff Type \*

Power Boiler Ht. Surface \*  Min SV Rel Cap Required \*  MRSVC Based On \*

Input BTU/HR  Previous Pressure Allowed  Certificate Duration (MO) \*

Cert Exp Date \*  Max Design Temp (HWH, HWS)  ASME Stamp \*

\* Required Field

[-] Inspection Details

Current Certificate Expires: 09/26/2013

Inspection Type: Internal Non-Cert

Condition OK to Issue Cert. \*  Inspection Date \*  Pressure Allowed \* (200)

S.V. Tested (N)  Rule 27 Complied \*  Safety Valve Set At \* (200)  Total Capac

\* Required Field

[-] Object/Inspection Comments

Inspection Comments

Internal inspection of this dry fired boiler revealed blistered tube sheet, blistered fire side face of wet back, and sagged tubes. The furnace tube appears to be straight and in good condition.

Object Comments [Click here to change Object Comments](#)

USE: Power Boiler;; SV SET: 200;; INSP AGENCY:STAT; Method of Firing:Automatic; Method of Firing:Auto; Boiler Type:Fire Tube; Boiler Use:Power

[-] Object History

[-] Scheduled Events for this Object

edit Recurring Cert - Next:9/26/2013

[-] Inspection History

- [View 03/01/04 - Certificate Internal Inspection - Certificate Issued](#)
- [View 02/16/05 - Certificate Internal Inspection - Certificate Issued](#)
- [View 03/30/06 - Certificate Internal Inspection - Certificate Issued](#)
- [View 03/23/07 - Certificate Internal Inspection - Certificate Issued](#)
- [View 03/17/08 - Certificate Internal Inspection - Certificate Issued](#)
- [View 07/17/09 - Certificate Internal Inspection - Certificate Issued](#)
- [View 07/15/10 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued](#)
- [View 07/11/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued](#)
- [View 09/26/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued](#)
- [View 12/11/12 - Accident Inspection](#)
- [View 02/12/13 - Non-Certificate Internal Inspection](#)

[-] Past Recommendations and Violations for this Object

- [View 12/11/12 - Certificate Blocking - Miscellaneous - Open](#)
- [View 02/12/13 - Certificate Blocking - Miscellaneous - Open](#)

Bulldog Boiler Rental Ltd 1641 Caniff St , Hamtramck, MI, 48212-2914

**[-] Boiler Details**

Jurisdiction Number \*  Status \* Active Nat'l Bd. No.  Owner or Batter No.

Other No.  Specific Location  Year Built \*

Year Installed \*  [Edit Manufacturer](#) Johnston Boiler Co. Construction Type \*  Use \*

Boiler Type \*  Method of Firing \*  Fuel \*

Manhole \*  Pressure Gauge Installed? \*  Low Water Cutoff Type \*

Power Boiler Ht. Surface \*  Min SV Rel Cap Required \*  MRSVC Based On \*

Input BTU/HR  Previous Pressure Allowed  Certificate Duration (MO) \*

Cert Exp Date \*   Max Design Temp (HWH, HWS)  ASME Stamp \*

\* Required Field

**[-] Inspection Details**

Current Certificate Expires: 09/26/2013

Inspection Type: Accident Inspect

Condition OK to Issue Cert. \*  Inspection Date \*   Pressure Allowed \* (200)

S.V. Tested (N)  Rule 27 Complied \*  Safety Valve Set At \* (200)  Total Capacity

\* Required Field

**[-] Object/Inspection Comments**

**Inspection Comments**

Boiler dry fired. Rear tube sheet badly discolored, boiler shell blistered, tubes pulled from front rolls.  
Boiler not to be used until repairs are completed.  
Boiler red tagged out of service, accident report to be filed.

**Object Comments** [Click here to change Object Comments](#)

USE: Power Boiler;; SV SET: 200;; INSP AGENCY:STAT; Method of Firing:Automatic; Method of Firing:Auto; Boiler Type:Fire Tube; Boiler Use:Power

**[-] Object History**

**[-] Scheduled Events for this Object**

[edit](#) Recurring Cert - Next:9/26/2013

**[-] Inspection History**

- [View](#) 03/01/04 - Certificate Internal Inspection - Certificate Issued
- [View](#) 02/16/05 - Certificate Internal Inspection - Certificate Issued
- [View](#) 03/30/06 - Certificate Internal Inspection - Certificate Issued
- [View](#) 03/23/07 - Certificate Internal Inspection - Certificate Issued
- [View](#) 03/17/08 - Certificate Internal Inspection - Certificate Issued
- [View](#) 07/17/09 - Certificate Internal Inspection - Certificate Issued
- [View](#) 07/15/10 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 07/11/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 09/26/12 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 12/11/12 - Accident Inspection
- [View](#) 02/12/13 - Non-Certificate Internal Inspection

**[-] Past Recommendations and Violations for this Object**

- [View](#) 12/11/12 - Certificate Blocking - Miscellaneous - Open
- [View](#) 02/12/13 - Certificate Blocking - Miscellaneous - Open

**[-] Tests**

No Record(s)



RICK SNYDER  
GOVERNOR

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

STEVE ARWOOD  
DIRECTOR

(Document BLR2013-6)

February 14, 2013

To: Members, Board of Boiler Rules  
From: William Vallance  
Subject: Violations Issued

Attached you will find the violation reports from the National Board. The report contains violations issued in Michigan and for all reporting jurisdictions for the fourth quarter of 2012. The fourth quarter reports for 30 jurisdictions consisting of 153,521 total inspections with 13,745 total violations. This is a 9% violation rate.

The category showing the highest number of violations is pressure retaining items. The second highest is safety relief devices.

The fourth quarter report of violations issued in Michigan consists of 7,670 total inspections with 2,441 violations. This is a 31% violation rate.

The category showing the highest number of violations is pressure retaining items. The second highest is burner management.

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www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

# Violations Tracking Statistics

Jurisdiction: All Period: 10/1/2012 to 12/31/2012

Number of Jurisdictional reports: 30

Total number of inspections: 153521

Total Violations: 13745

Device Type (ASME Certification Designator)		High Pressure / High Temperature Boilers (S M E)	Hot Water Heating / Supply Boilers (H)	Low Pressure Steam Boilers (H)	Potable Water Heaters (HLW)	Pressure Vessels (U UM)
Total Inspections:		(16610)	(63978)	(13191)	(14127)	(45615)
1) Safety Relief Devices	1.1 Inoperable	36 (0.22 %)	199 (0.31 %)	42 (0.32 %)	43 (0.30 %)	81 (0.18 %)
	1.2 Device Missing - Not Installed	5 (0.03 %)	95 (0.15 %)	16 (0.12 %)	19 (0.13 %)	165 (0.36 %)
	1.3 Improper Installation	64 (0.39 %)	625 (0.98 %)	147 (1.11 %)	152 (1.08 %)	230 (0.50 %)
	1.4 Leaking	49 (0.30 %)	367 (0.57 %)	40 (0.30 %)	53 (0.38 %)	24 (0.05 %)
	1.5 Incorrect Capacity	20 (0.12 %)	264 (0.41 %)	33 (0.25 %)	52 (0.37 %)	83 (0.18 %)
	1.6 Missing Nameplate	17 (0.10 %)	66 (0.10 %)	20 (0.15 %)	9 (0.06 %)	60 (0.13 %)
	1.7 Incorrect Set Pressure	3 (0.02 %)	34 (0.05 %)		19 (0.13 %)	60 (0.13 %)
2) Low Water Cutoffs / Flow Sensing Devices	2.1 Inoperable	39 (0.23 %)	136 (0.21 %)	62 (0.47 %)	3 (0.02 %)	
	2.2 Device Missing - Not Installed	9 (0.05 %)	221 (0.35 %)	59 (0.45 %)	4 (0.03 %)	
	2.3 Improper Installation	3 (0.02 %)	17 (0.03 %)			
	2.4 No Manual Reset	7 (0.04 %)	97 (0.15 %)	34 (0.26 %)	4 (0.03 %)	
	2.5 Sediment / Dirty / Leaking	25 (0.15 %)	56 (0.09 %)	10 (0.08 %)	2 (0.01 %)	
3) Pressure Controls	3.1 Inoperable	3 (0.02 %)	24 (0.04 %)	3 (0.02 %)	2 (0.01 %)	
	3.2 Device Missing - Not Installed	3 (0.02 %)	8 (0.01 %)	56 (0.42 %)		3 (0.01 %)
	3.3 Improper Installation	18 (0.11 %)	22 (0.03 %)	65 (0.49 %)		2 (0.00 %)
	3.4 No Manual Reset	2 (0.01 %)	6 (0.01 %)	2 (0.02 %)		
4) Temperature Controls - Operator or High Limit	4.1 Inoperable	4 (0.02 %)	19 (0.03 %)	3 (0.02 %)	6 (0.04 %)	
	4.2 Device Missing - Not Installed		296 (0.46 %)		2 (0.01 %)	1 (0.00 %)
	4.3 Improper Installation	8 (0.05 %)	310 (0.48 %)	38 (0.29 %)	15 (0.11 %)	3 (0.01 %)
	4.4 No Manual Reset	1 (0.01 %)	54 (0.08 %)	3 (0.02 %)	7 (0.05 %)	
5) Burner Management	5.1 Flame Failure – Operating, Management System	5 (0.03 %)	3 (0.00 %)	3 (0.02 %)		
	5.2 Electrical Power Disconnect – Missing / Not Functioning	10 (0.06 %)	221 (0.35 %)	20 (0.15 %)	41 (0.29 %)	
	5.3 Improper Installation	39 (0.23 %)	211 (0.33 %)	47 (0.36 %)	80 (0.57 %)	1 (0.00 %)
	5.4 Fuel Leaks	3 (0.02 %)	13 (0.02 %)	1 (0.01 %)	3 (0.02 %)	
	5.5 Emergency Shut Down Switch– Missing / Not Functioning	55 (0.33 %)	468 (0.73 %)	104 (0.79 %)	93 (0.66 %)	2 (0.00 %)
	5.6 Fuel Train Damaged	2 (0.01 %)	19 (0.03 %)			

# Violations Tracking Statistics

Jurisdiction: All Period: 10/1/2012 to 12/31/2012

Device Type (ASME Certification Designator)	High Pressure / High Temperature Boilers (S M E)	Hot Water Heating / Supply Boilers (H)	Low Pressure Steam Boilers (H)	Potable Water Heaters (HLW)	Pressure Vessels (U UM)	
<b>Total Inspections:</b>	(16610)	(63978)	(13191)	(14127)	(45615)	
5) Burner Management	5.7 Flame Impingement	4 (0.02 %)	15 (0.02 %)	4 (0.03 %)		
	5.8 Improper Combustion. Air	13 (0.08 %)	47 (0.07 %)	21 (0.16 %)	9 (0.06 %)	
6) Level Indicators - Gage Glasses, Bulls Eyes and Fiber Opticals	6.1 Inoperable	7 (0.04 %)	1 (0.00 %)	5 (0.04 %)		
	6.2 Device Missing - Not Installed	27 (0.16 %)	174 (0.27 %)	55 (0.42 %)	2 (0.00 %)	
	6.3 Improper Installation	10 (0.06 %)	5 (0.01 %)	3 (0.02 %)		
	6.4 Leaking	27 (0.16 %)	3 (0.00 %)	7 (0.05 %)	1 (0.00 %)	
	6.5 Internal Deposits	26 (0.16 %)	34 (0.05 %)	56 (0.42 %)	2 (0.00 %)	
7) Pressure / Temperature Indicators	7.1 Damaged - Inoperable	15 (0.09 %)	92 (0.14 %)	28 (0.21 %)	23 (0.16 %)	7 (0.02 %)
	7.2 Device Missing - Not Installed	5 (0.03 %)	157 (0.25 %)	13 (0.10 %)	129 (0.91 %)	22 (0.05 %)
	7.3 Improper Installation	3 (0.02 %)	14 (0.02 %)	3 (0.02 %)	29 (0.21 %)	
	7.4 Leaking	8 (0.05 %)	12 (0.02 %)	5 (0.04 %)	1 (0.01 %)	
	7.5 Improper Size / Range	6 (0.04 %)	44 (0.07 %)	6 (0.05 %)	3 (0.02 %)	26 (0.06 %)
8) Pressure - Retaining Items (PRI) / (Boiler, Piping, Pumps, Systems Valves, Expansion Tanks)	8.1 Inoperable	21 (0.13 %)	33 (0.05 %)	23 (0.17 %)	3 (0.02 %)	7 (0.02 %)
	8.2 Item Missing – Not Installed	64 (0.39 %)	403 (0.63 %)	150 (1.14 %)	17 (0.12 %)	104 (0.23 %)
	8.3 Improper Installation	73 (0.44 %)	684 (1.07 %)	171 (1.30 %)	188 (1.33 %)	311 (0.68 %)
	8.4 Item Leaking	75 (0.45 %)	195 (0.30 %)	91 (0.69 %)	33 (0.23 %)	18 (0.04 %)
	8.5 Improper Repair / Alteration	36 (0.22 %)	195 (0.30 %)	74 (0.56 %)	6 (0.04 %)	19 (0.04 %)
	8.6 Materials Deficiencies	104 (0.63 %)	146 (0.23 %)	73 (0.55 %)	43 (0.30 %)	54 (0.12 %)
	8.7 Required documentation, nameplate-missing or damaged	89 (0.54 %)	337 (0.53 %)	84 (0.64 %)	79 (0.56 %)	66 (0.14 %)
	8.8 Non-ASME Code Construction	20 (0.12 %)	53 (0.08 %)	13 (0.10 %)	28 (0.20 %)	27 (0.06 %)
	8.9 Inspection Certificate-missing or expired	153 (0.92 %)	823 (1.29 %)	180 (1.36 %)	76 (0.54 %)	51 (0.11 %)
	8.10 Testing required	29 (0.17 %)	563 (0.88 %)	30 (0.23 %)	3 (0.02 %)	5 (0.01 %)

**VIOLATIONS TRACKING STATISTICS**  
**JURISDICTION: MICHIGAN** Period: October 1, 2012 to December 31, 2012

	Device Type (ASME Certification Designator)	Low Pressure Steam Boilers (H)	Hot Water Heating / Supply Boilers (H)	Potable Water Heaters (HLW)	High Pressure / High Temperature Boilers (S M E)	Grand Total of Inspections & Violations
	<b>Total Inspections</b>	<b>569</b>	<b>5582</b>	<b>458</b>	<b>1061</b>	<b>7670</b>
	<b>Total Violations</b>	<b>207</b>	<b>2040</b>	<b>96</b>	<b>98</b>	<b>2441</b>
1) Safety Relief Devices	1.1 Inoperable	4 (0.70 %)	29 (0.52 %)	3 (0.66 %)		
	1.2 Device Missing - Not Installed	1 (0.18 %)	1 (0.02 %)			
	1.3 Improper Installation	6 (1.05 %)	81 (1.45 %)	2 (0.44 %)	1 (0.09 %)	
	1.4 Leaking	1 (0.18 %)	20 (0.36 %)		2 (0.19 %)	
	1.5 Incorrect Capacity	2 (0.35 %)	47 (0.84 %)	8 (1.75 %)		
	1.6 Missing Nameplate	2 (0.35 %)	3 (0.05 %)		1 (0.09 %)	
2) Low Water Cutoffs / Flow Sensing Devices	2.2 Device Missing - Not Installed	5 (0.88 %)	25 (0.45 %)	1 (0.22 %)		
	2.4 No Manual Reset	2 (0.35 %)	18 (0.32 %)			
3) Pressure Controls	3.1 Inoperable		12 (0.21 %)	1 (0.22 %)		
	3.2 Device Missing - Not Installed	10 (1.76 %)				
4) Temperature Controls - Operator or High Limit	4.2 Device Missing - Not Installed		27 (0.48 %)	1 (0.22 %)		
	4.3 Improper Installation		12 (0.21 %)			
	4.4 No Manual Reset		30 (0.54 %)			
5) Burner Management	5.2 Electrical Power Disconnect – Missing / Not Functioning	10 (1.76 %)	108 (1.93 %)		5 (0.47 %)	
	5.3 Improper Installation	2 (0.35 %)	6 (0.11 %)		1 (0.09 %)	
	5.5 Emergency Shut Down Switch– Missing / Not Functioning	11 (1.93 %)	100 (1.79 %)		7 (0.66 %)	
6) Level Indicators - Gage Glasses, Bulls Eyes and Fiber Opticals	6.5 Internal Deposits	7 (1.23 %)	1 (0.02 %)			
7) Pressure / Temperature Indicators	7.2 Device Missing - Not Installed	1 (0.18 %)	30 (0.54 %)	5 (1.09 %)		
	7.5 Improper Size / Range		8 (0.14 %)	1 (0.22 %)		
8) Pressure - Retaining Items (PRI) / (Boiler, Piping, Pumps, Systems Valves, Expansion Tanks)	8.3 Improper Installation	9 (1.58 %)	104 (1.86 %)	10 (2.18 %)	5 (0.47 %)	
	8.4 Item Leaking	5 (0.88 %)	8 (0.14 %)		2 (0.19 %)	
	8.5 Improper Repair / Alteration				1 (0.09 %)	
	8.6 Materials Deficiencies	1 (0.18 %)	9 (0.16 %)		5 (0.47 %)	
	8.7 Required documentation, nameplate-missing or damaged	10 (1.76 %)	116 (2.08 %)		4 (0.38 %)	
	8.8 Non-ASME Code Construction		2 (0.04 %)	7 (1.53 %)		
	8.9 Inspection Certificate-missing or expired	104 (18.28 %)	691 (12.38 %)	56 (12.23 %)	51 (4.81 %)	
	8.10 Testing required	14 (2.46 %)	552 (9.89 %)	1 (0.22 %)	13 (1.23 %)	



RICK SNYDER  
GOVERNOR

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

STEVE ARWOOD  
DIRECTOR

(Document BLR2013-7)

LICENSE ACTION  
THOMAS J. DECARLO

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RICK SNYDER  
GOVERNOR

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

STEVE ARWOOD  
DIRECTOR

Date Mailed from BCC: 02/12/2013

IN THE MATTER OF:

Docket No.: B-12-080

Bureau of Construction Codes,  
Petitioner

Case Type: Licensing

V

Filing Type: Revocation

Thomas J. DeCarlo,  
Respondent

NOTICE OF HEARING

You are hereby notified that a formal administrative hearing under the jurisdiction of the Administrative Procedures Act, 1969 PA 306, MCL 24.201 *et seq.*, and the Boiler Act of 1965, 1965 PA 290, MCL 408.751 *et seq.*, has been scheduled before the Board of Boiler Rules on:

Date: March 12, 2013  
Time: 9:30 AM, E.S.T.  
Location: Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes  
2501 Woodlake Circle, Conference Room 3  
Okemos, MI 48864

Issue: Did the respondent violate the Boiler Act of 1965, 1965 PA 290, by failing to comply with minimum licensing and/or public safety standards, as alleged in the attached Decision of the Chief Boiler Inspector issued October 19, 2012? Does the evidence support the imposition of license revocation by the director?

This notice is to provide you the opportunity to provide testimony to the Board of Boiler Rules regarding this matter. If you are unable to attend the meeting or you choose not to appear before the board, please contact the Boiler Division in advance of the meeting at (517) 241-9334. In the event that you fail to appear at the meeting as scheduled, a decision may be entered in your absence.

William Vallance  
William Vallance, Chief Boiler Inspector

02/12/2013  
Date

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**PROOF OF SERVICE**

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



\_\_\_\_\_  
Lisa Rambo  
Boiler Division  
Bureau of Construction Codes

2/12/2013

Date

Thomas J. DeCarlo  
DeCarlo Sheet Metal Shop  
460 E Vaughn Street  
Ironwood MI 49938

Keith Lambert, Deputy Director  
Bureau of Construction Codes

Deborah Young, Director  
BCC OAS

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS  
BUREAU OF CONSTRUCTION CODES  
BOILER DIVISION  
2501 Woodlake Circle  
Okemos, MI 48864

Date Mailed from BCC: October 19, 2012

Thomas J. DeCarlo  
DeCarlo Sheet Metal Shop  
460 E. Vaughn Street  
Ironwood MI 49938

BCC Complaint No. B-12-080  
Suspension of License

Respondent License No:  
Boiler Installer License #311785

DECISION OF THE CHIEF BOILER INSPECTOR

Thomas J. DeCarlo was notified in writing about boiler violations at Sully's Bar & Grill on October 5, 2009, January 21, 2010, May 10, 2010, June 22, 2011, June 30, 2011, and June 27, 2012. He was also notified in writing about boiler violations at The Crossing Inn on January 15, 2009, September 30, 2009, June 22, 2011, June 30, 2011, and June 27, 2012. Mr. DeCarlo failed to appear at an informal compliance conference with the bureau scheduled for September 11, 2012, to discuss the outstanding boiler violations at these two locations. This decision is issued pursuant to the Boiler Act, 1965 PA 290.

FINDINGS AND CONCLUSIONS: The attached Statement of Intent to Commence Proceedings; Notice of Opportunity to Show Why Such Proceedings Should Not Be Commenced Pursuant to the Boiler Act; and Notice of Informal Compliance Conference was properly mailed to the Respondent's address of record: Thomas J. DeCarlo, DeCarlo Sheet Metal Shop, 460 E. Vaughn Street, Ironwood, MI 49938 on August 7, 2012, notifying him that a compliance conference would be held on September 11, 2012, to address the counts outlined in the Statement of Intent. The postal authorities did not return the notice as undeliverable. Mr. DeCarlo did not attend the September 11, 2012, compliance conference and did not request an adjournment.

THEREFORE, it is the decision of the Chief Boiler Inspector to suspend the boiler installer license of Thomas J. DeCarlo, license #311785, for demonstrating incompetence by failing to follow the requirements of the Boiler Act, 1965 PA 290, and boiler administrative rule R408.4111. Further, a recommendation will be submitted to the Board of Boiler Rules to revoke Thomas J. DeCarlo's boiler installer license #311785. The matter will be placed on the agenda for the December 11, 2012, board meeting.

You have the right to appeal this decision to the Board of Boiler Rules as provided in Section 22 of the Boiler Act which states in part that a "person who is aggrieved by an order or act of the director or the chief inspector within 15 days' notice after the order or act, may appeal the order or act to the board." Section 14 (3) of the Boiler Act states that "a person whose registration or license has been suspended may apply, after 90 days from the date of the suspension, for reinstatement of the registration or license."

  
William Vallance  
Chief Boiler Inspector

10/18/12  
Date

FINAL DECISION

Thomas J. DeCarlo/DeCarlo Sheet Metal Shop

BCC Complaint No. B-12-080

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PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.

*Eric O. Allen*

Boiler Division

Bureau of Construction Codes

*10-19-12*

Date

Thomas J. DeCarlo  
460 E. Vaughn Street  
Ironwood MI 49938

Keith Lambert, Deputy Director  
Bureau of Construction Codes

Board of Boiler Rules

STATE OF MICHIGAN  
DEPARTMENT OF LICENSING & REGULATORY AFFAIRS  
BUREAU OF CONSTRUCTION CODES

In the Matter of:

Respondent:

Thomas J. DeCarlo  
DeCarlo Sheet Metal Shop  
460 E. Vaughn Street  
Ironwood, MI 49938

BCC Complaint No:

B-12-080

Respondent License No:

311785

Complainant:

Bureau of Construction Codes  
Boiler Division  
Okemos, Michigan 48864

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STATEMENT OF INTENT TO COMMENCE PROCEEDINGS;  
NOTICE OF OPPORTUNITY TO SHOW WHY SUCH PROCEEDINGS SHOULD NOT BE  
COMMENCED PURSUANT TO THE BOILER ACT, 1965 PA 290; AND  
NOTICE OF INFORMAL COMPLIANCE CONFERENCE  
SCHEDULED FOR SEPTEMBER 11, 2012 FROM 1:00 PM – 4:00 PM

TAKE NOTICE that the Michigan Department of Licensing & Regulatory Affairs (hereafter the Department), Bureau of Construction Codes (hereafter the Bureau), pursuant to the Administrative Procedures Act of 1969, 1969 PA 306, MCL 24.201 et seq; the Boiler Act, 1965 PA 290 MCL 408.751 et seq (hereafter the Boiler Act); and the Michigan Boiler Rules (hereafter the Boiler Rules) intends to begin proceedings relating to possible violations of the Boiler Act and Rules. These proceedings may result in the imposition of the penalties and remedies provided in the Boiler Act and rules unless a satisfactory response to this Statement of Intent to Commence Proceedings and Notice of Opportunity to Show Why Such Proceedings Should Not Be Commenced Pursuant to the Boiler Act and Rules is provided during the informal compliance conference.

THE REASONS for this Statement of Intent are:

FACTS COMMON TO ALL COUNTS

STATEMENT OF INTENT

Thomas J. DeCarlo  
Complaint # B-12-080  
Page 3 of 5

The Crossing Inn, 460 E Vaughn, Ironwood, MI 49938

Prior to July 2009, Respondent DeCarlo installed boiler number MIR422605 at The Crossing Inn. On July 15, 2009, the Boiler Division issued Notice of Violation #301059-422605 to Respondent DeCarlo requiring compliance on or before September 1, 2009. The boiler was installed in violation of:

- Boiler Administrative rule R 408.4027, whereas the boiler lacked proper controls, safety devices, and documentation.
- Boiler Administrative rule R 408.4187, whereas a proper connection to the potable water supply system, to prevent contamination, was not installed.

These acts by respondent DeCarlo demonstrate incompetence under MCL 408.764, Section 14(1) of the Boiler Act of 1965, Act 290 of 1965.

THE CONDUCT alleged in Counts I and II may constitute grounds for the imposition of penalties and remedies provided in the Boiler Act and Rules.

BE ADVISED that the Bureau must provide you with an opportunity to show compliance with all lawful requirements before commencing formal proceedings that might lead to penalties provided in the Boiler Act and Rules. This is your Notice of the right to that opportunity.

BE ADVISED you MUST appear at an informal conference scheduled for September 11, 2012 from 1:00 p.m. – 4:00 p.m., at the Bureau's offices at 2501 Woodlake Circle, Okemos, Michigan 48864.

BE ADVISED that it is important you understand that any statements which you present at the informal conference may be used against you at a formal hearing if one is held. It is also important that you understand you have the right, at your own expense, to have an attorney assist you in preparing for or assist you during the informal conference.

BE FURTHER ADVISED that if the Bureau's representatives decide you have not made a sufficient showing of compliance or if you do not respond to this Statement of Intent, the Bureau's representatives will request a formal hearing before an administrative law judge to address the charges set forth in this Statement of Intent.

ANY COMMUNICATION regarding this Statement of Intent should be directed to the Bureau of Construction Codes, Boiler Division, Attention: William Vallance, Chief, P.O. Box 30254, Lansing, Michigan 48909, telephone: (517) 241-9334.

STATEMENT OF INTENT

Thomas J. DeCarlo  
Complaint # B-12-080  
Page 5 of 5

PROOF OF SERVICE

I hereby state, to the best of my knowledge, information, and belief, that a copy of the foregoing document was served on this date upon all parties and/or attorneys of record in this matter by email to those parties employed by the State of Michigan and by first class mail to the remaining parties at their respective addresses as disclosed below.



\_\_\_\_\_  
Lisa Rambo  
Boiler Division  
Bureau of Construction Codes

8/7/12

\_\_\_\_\_  
Date

Thomas J. DeCarlo  
DeCarlo Sheet Metal Shop  
460 E. Vaughn Street  
Ironwood, MI 49938

Keith Lambert, Deputy Director  
Bureau of Construction Codes

Deborah Young, Director, OAS  
Bureau of Construction Codes