



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

September 9, 2014
9:30 a.m.

- | | | |
|---|--|------------|
| 1) Call to order and determination of quorum | | M. Babcock |
| 2) Announcements | | M. Moore |
| 3) Approval of Agenda – September 9, 2014 (Pages 1-2) | | M. Babcock |
| 4) Approval of Minutes – June 10, 2014 (Pages 3-8) | | M. Babcock |
| 5) Approval of 2015 Board meeting
and examination schedule (Page 9) | (Document BLR2014-13) | M. Babcock |
| 6) Review of candidates passing examination
for Boiler Installer and Repairer,
September 2014 (Page 10) | (Document BLR2014-14)
(To be handed out at meeting) | M. Moore |
| 7) Accidents (Pages 11-25) | (Document BLR2014-15) | M. Moore |
| 8) Violations (Pages 26-30) | (Document BLR2014-16) | M. Moore |
| 9) Section 23 | | |
| a) Palisades Nuclear Plant (Pages 31-35) | (Document BLR2014-17) | M. Moore |
| b) Lafarge Cement (Pages 36-40) | (Document BLR2014-18) | M. Moore |

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- | | |
|--|------------|
| 10) Chief Inspector's Report | M. Moore |
| 11) Unfinished Business | M. Moore |
| 12) New Business | M. Moore |
| 13) Public Comment | M. Babcock |
| 14) Next Meeting – Tuesday, December 9, 2014 | M. Babcock |
| 15) Adjournment | M. Babcock |



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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

MINUTES
June 10, 2014
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
Mr. Frank Wiechert

MEMBERS ABSENT

Mr. Robert Hutsell

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. Ryan Randazzo, DTE Energy
Mr. Matt Jordan, Michigan State University
Mr. Don Nurmela, Verso Paper

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

Chairperson Babcock called the meeting to order at approximately 9:30 a.m. A quorum was determined present at that time.

2. **ANNOUNCEMENTS**

Boiler Division has a new inspector Norwood Bates, to reinspect low-pressure boilers 5,000,000 BTU and under for Macomb, Sanilac, and St. Clair counties. We are going to begin interviewing for an inspector to inspect boiler in the Eastern Upper Peninsula.

3. **APPROVAL OF AGENDA**

A **MOTION** was made by board member Lewis and board member Lanzon seconded the motion to approve the June 10, 2014 agenda. **MOTION CARRIED.**

4. **APPROVAL OF MINUTES**

A **MOTION** was made by board member Muterspaugh and board member Lewis seconded the motion to approve the minutes of the March 11, 2014 meeting. **MOTION CARRIED.**

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

Board reviewed the June 2014 examination results, listed on Document BLR2014-6.

A **MOTION** was made by board member Lewis and board member Cameron seconded the motion to approve names for issuance of the license application to the examinees on June 2014 examination. (Document BLR2014-6). **MOTION CARRIED.** Board member Lanzon **ABSTAINED.**

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

Board reviewed the recommendation for issuance of Boiler Operator Registration for the High Pressure Class registration listed in Document BLR2014-7.

A **MOTION** was made by board member Jenkins and board member Rupert seconded the motion to approve the issuance of the Boiler Operator Registration for the High Pressure Class registration. (Document BLR2014-7). **MOTION CARRIED.**

7. **ACCIDENT REPORT**

The board reviewed the accident report for Lake Crest Baptist Church and Copi Properties Apartments. (Document BLR2014-8).

Received and Filed.

8. **VIOLATION**

The board reviewed the violations issued. (Document BLR2014-9).

Received and Filed

9. **SECTION 23**

REQUALIFICATION OF SECTION 23

- a. Renewal of Section 23 Exempt status for Dow Chemical Company 593 Building Midland, Michigan facility and associated utility plants owned by Dow Chemical. Document BLR2014-10.

Recommending a motion to renew Dow Chemical Company 593 Building Midland, Michigan facility and associated utility plants owned by Dow Chemical section 23-exemption program for repairs to boilers, external piping, and non-external piping for a period of three years to expire on February 25, 2017 or continue until the next review can be conducted.

A **MOTION** was made by board member Lewis and board member Lanzon seconded the motion to approve the renewal of Dow Chemical Company 593 Building Midland, Michigan facility and associated utility plants owned by Dow Chemical 23-exemption status for repairs to boilers, external piping, and non-external piping for a period of three years to expire on February 25, 2017 or continue until the next review can be conducted. (Document BLR2014-10). **MOTION CARRIED.**

- b. Renewal of Section 23 Exempt status for Consumers Energy Company, JH Campbell Plant West Olive, MI facility and associated utility plants owned by Consumers Energy Company. Document BLR2014-11.

Recommending a motion to renew Consumers Energy Company JH Campbell Plant 17000 Croswell West Olive, Michigan facility and associated utility plants owned by Consumers Energy Company 23-exemption program for repairs to boilers, external piping, and non-external piping for a period of three years to expire on January 4, 2017 or continue until the next review can be conducted.

A **MOTION** was made by board member Muterspaugh and board member Jenkins seconded the motion to approve the renewal of Consumers Energy Company JH Campbell Plant 17000 Croswell West Olive, Michigan facility and associated utility plants owned by Consumers Energy Company 23-exemption status for repairs to boilers, external piping, and non-external piping for a period of three years to expire on January 4, 2017 or continue until the next review can be conducted. (Document BLR2014-11). **MOTION CARRIED.** Board member Babcock **ABSTAINED.**

10. 24 MONTH INTERNAL PROGRAM

The board reviewed the recommendation for Verso Paper Corporation 24 month internal program boiler MIR342395 listed in Document BLR2014-12.

A **MOTION** was made by board member Jenkins and board member Lewis seconded the motion to approve Verso Paper Corporation 24 month internal program boiler MIR342395. (Document BLR2014-12). **MOTION CARRIED.**

11. CHIEF INSPECTOR'S REPORT – MARK MOORE

- a. Department of Natural Resources acquired a 30-year lease for Belle Isle.
 - i. Belle Isle has 40 active boilers.
 - ii. The Boiler Division has jurisdiction of Belle Isle, City of Detroit.
 - iii. The Boiler Division will enforce the Michigan Boiler Rules and assign Michigan Boiler numbers. Boiler(s) will comply with ASME 705G standards.
- b. Liz Lukasik head of Board appointees is seeking two (2) manufacturer's representatives one water tube and one fired tube that make or sell boilers in Michigan.
- c. Mark is now an ASME committee member.
- d. The boiler explosion; located at a residence in Alpena, Michigan; not our jurisdiction.

12. DEPUTY DIRECTOR REPORT – KEITH LAMBERT

Not Present

13. UNFINISHED BUSINESS

None Reported

14. NEW BUSINESS

None Reported

15. PUBLIC COMMENT

No Public Comment

16. NEXT MEETING – Tuesday – September 9, 2014.

17. ADJOURNMENT

A **MOTION** was made by board member Lewis and board member Lanzon seconded the motion to adjourn the meeting at approximately 10:26 a.m. **MOTION CARRIED.**

APPROVED:

Chairman, Board of Boiler Rules

Date

**DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES**

Boiler Division
2501 Woodlake Circle
Okemos, MI 48864
(517) 241-9330

2015 Schedule of Board of Boiler Rules Meetings and Examinations

BOARD MEETINGS

Board Date	Location	Time
March 10 th	Okemos – Conference Room 3	9:30 AM
June 9 th	Okemos – Conference Room 3	9:30 AM
September 8 th	Okemos – Conference Room 3	9:30 AM
December 8 th	Okemos – Conference Room 3	9:30 AM

EXAMINATION DATES

Date and locations are subject to change.

Boiler Installer & Repairer License Exam Dates

Exam Date	Location	Time	Application Deadline Date
March 4 th & 5 th	Okemos - Conference Room 3	8:30 AM	February 6, 2015
June 3 rd & 4 th	Okemos - Conference Room 3	8:30 AM	May 8, 2015
September 2 nd & 3 rd	Okemos - Conference Room 3	8:30 AM	August 7, 2015
December 2 nd & 3 rd	Okemos - Conference Room 3	8:30 AM	November 6, 2015

The meeting site and parking is accessible. Individuals attending the meeting are requested to refrain from using heavily scented personal care products, in order to enhance accessibility for everyone. People with disabilities requiring additional services (such as materials in alternative format) in order to participate in the meeting should call Lisa Rambo at (517) 241-9334 at least 10 work days before the event. LARA is an equal opportunity employer/program.



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MIKE ZIMMER
ACTING DIRECTOR

(Document BLR2014-14)

September 4, 2014

To: Members, Board of Boiler Rules

From: Mark Moore
Chief Boiler Inspector

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

Name	Company	State	County	License Class
Leon Baker	LJB Mechanical	MI	Wayne	2B
Lawrence Dubey	Hillside Mechanical Services	MI	Missaukee	P
Jim Gaut	HarpcO Mechanical Heat & Cold Inc	MI	Oakland	3B
Bruce Gernaat	Mall City Mechanical	MI	Kalamazoo	3B
Patrick Neilan	AP Com Power Inc	CT		IV
Tomas Rose	William E Walter Inc	MI	Genesee	4B

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ACCIDENT REPORT SEPTEMBER 2014 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
Firstronic	MIR321348	WT	15	Gas Explosion	Boiler had tripped offline on a pilot error.	Limited to the burner assembly.	0	April 11, 2014	May 1, 2014	Insurance
Carousel Cleaners	MIR396164	FT	150	Cracking	Stress crack circled back at each end resulting in two (2) holes	Two holes in shell about 7" from top of boiler	0	May 19, 2014	June 13, 2014	Insurance

Accident Report - Boiler or Pressure Vessel
 Michigan Department of Energy, Labor Economic Growth
 Bureau of Construction Codes / Boiler Division
 P.O. Box 30254, Lansing, MI 48909
 517-241-9334

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

Authority: 1965 PA 200 Completion: Mandatory Penalty: None	DELEG is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
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Mail original copy of accident report to the address listed above.

Boiler Information

BOILER LOCATION <i>Firstronic</i>				
ADDRESS <i>1655 Michigan St NE</i>	CITY <i>Grand Rapids</i>	STATE <i>MI</i>	ZIP CODE <i>49503</i>	
OWNER NAME				
ADDRESS				
CITY				
STATE				
ZIP CODE				
BOILER CONSTRUCTION <input type="checkbox"/> WELD <input type="checkbox"/> RIVET <input type="checkbox"/> LAP <input checked="" type="checkbox"/> MECHANICAL ASSEMBLY		BOILER TYPE <input type="checkbox"/> FT <input checked="" type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER (Specify)		
BOILER MANUFACTURER <i>Bryan</i>				
STATE NUMBER <i>M 321348</i>	MFG. SERIAL NUMBER	NATIONAL BOARD NUMBER <i>8040</i>	MA/MP <i>15</i>	YEAR BUILT <i>1975</i>
SAFETY / RELIEF VALVE INSTALLED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	SET PRESSURE <i>15</i>	ASME / NB STAMPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		CAPACITY <i>8200 lbs/hr</i>
BOILER USED FOR <input type="checkbox"/> POWER <input checked="" type="checkbox"/> PROCESS <input type="checkbox"/> STEAM HEATING <input type="checkbox"/> HWH <input type="checkbox"/> HWS <input type="checkbox"/> OTHER (Specify)				
CSD-1 TESTING <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	CSD-1 TEST LAST PERFORMED <i>3/17/14</i>	BY WHOM <i>Hurst Mechanical</i>		BTU / HR INPUT <i>850,000</i>
IS CERTIFICATE CURRENT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EXPIRATION DATE <i>3/12/2014</i>		
DOES JURISDICTION REQUIRE LICENSED OPERATOR <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		WERE OPERATORS LICENSED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
TYPE OF BUSINESS WHERE USED <i>Electronics Manufacturing</i>	NUMBER KILLED <i>0</i>	NUMBER INJURED <i>0</i>		

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	ADDRESS	CITY	STATE	ZIP CODE
NAME	ADDRESS	CITY	STATE	ZIP CODE
NAME	ADDRESS	CITY	STATE	ZIP CODE

BCC-1049 (Rev. 3-09) Front

Accident

PROPERTY DAMAGE (Be Specific. Include dollar amounts. Attach a separate page if necessary)
New burner assembly and controls are needed. EST - \$14,000
New boiler grate - \$28,500

TYPE OF ACCIDENT (Explosion, Dry Flood, Rupture, etc.)
Gas Explosion

DESCRIBE THE CAUSE AND EVENTS WHICH PRECEDED THE ACCIDENT. DESCRIBE IN DETAIL THE EXTENT AND PARTS DAMAGED.
Boiler had tripped offline on a pilot error. After resetting pilot and during boiler restart a boiler explosion took place with flames coming out all sides.

DAMAGE TO BOILER Damage is limited to the burner assembly. The burner could be repaired but owner has elected to replace the boiler.	CAN BOILER BE REPAIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	IS REPAIR PERMIT REQUIRED <input 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
Improper purging between attempts to fire boiler lead to the accumulation of gas in the boiler. When igniter finally activated a gas explosion took place.

INSPECTOR'S RECOMMENDATION
None - with boiler replacement and planned operator training owner is doing due diligence.

WHAT HAS BEEN DONE OR WILL BE DONE TO PREVENT RECURRENCE OF LIKE OR SIMILAR FAILURES
A new boiler is being installed. The maintenance technician responsible for the boiler is being sent to boiler classes.

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				
NAME	ADDRESS	CITY	STATE	ZIP CODE
NAME	ADDRESS	CITY	STATE	ZIP CODE

Inspector

NAME OF INSPECTOR David Evans	LICENSE NUMBER 300449	DATE OF REPORT 5/1/2014
----------------------------------	--------------------------	----------------------------

Support | Help

Firstronic 1655 Michigan St NE , Grand Rapids, MI, 49503-2015

[-] Boiler Details

Jurisdiction Number * MIR321348 **Status *** Out of Service **Nat'l Bd. No.** 8040 **Owner or Batter**
Other No. **Specific Location** Boiler room **Year Built *** 1975
Year Installed * 2004 **Edit Manufacturer** Bryan **Construction Type *** Weld **Use *** Process B
Boiler Type * Water Tube **Method of Firing *** Auto **Fuel *** Gas
Manhole * No **Pressure Gauge Installed? *** Yes **Low Water Cutoff Type *** Float
Power Boiler Ht. Surface * 0 **Min SV Rel Cap Required *** 930 **MRSVC Based On *** Stamp
Input BTU/HR 850000 **Previous Pressure Allowed** 15 **Certificate Duration (MO) *** 12
Cert Exp Date * 03/12/2014 **Max Design Temp (HWH, HWS)** 250 **ASME Stamp *** H
 * Required Field

[-] Inspection Details

Current Certificate Expires: 03/12/2014 **Inspection Type:** Accident Insp

Condition OK to Issue Cert. * No **Inspection Date *** 05/01/2014 **Pressure Allowed * (15)** 15
S.V. Tested (Y) Yes **Rule 27 Complied *** Yes **Safety Valve Set At * (15)** 15 **Total Capac**
 * Required Field

[-] Object/Inspection Comments

Inspection Comments

The boiler sustained a gas explosion with damage to the burner assembly. The gas is disconnected and the burner assembly has been pulled. The boiler will be replaced. The boiler could be repaired but owner has made decision to replace the old boiler. It was a used boiler when installed back in 2004 and has a history of waterside deposits with plugging. An accident form is in the process of being filled out.

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

Boiler gas explosion 4/11/2014. Boiler being replaced.; Burner is disassembled and gas is capped off. Boiler is being replaced due to a gas explosion.(05/01/2014)

[-] Object History

[-] Scheduled Events for this Object

[edit](#) Recurring Cert - Next:3/12/2014

[-] Inspection History

- [View](#) 07/21/98 - Certificate Internal Inspection - Certificate Issued
- [View](#) 09/12/00 - Certificate Internal Inspection - Certificate Issued
- [View](#) 05/05/04 - Certificate Internal Inspection - Certificate Issued
- [View](#) 08/05/05 - Certificate Internal Inspection - Certificate Issued
- [View](#) 05/22/08 - Certificate Internal Inspection - Certificate Issued
- [View](#) 08/18/09 - Certificate Internal Inspection - Certificate Issued
- [View](#) 08/23/10 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 08/08/11 - Certificate Internal Inspection - Boiler Certificate - Certificate Issued
- [View](#) 03/13/12 - Certificate External Inspection - Boiler Certificate - Certificate Issued
- [View](#) 03/12/13 - Certificate External Inspection - Boiler Certificate - Certificate Issued
- [View](#) 05/01/14 - Accident Inspection

[-] Past Recommendations and Violations for this Object

[View](#) 08/23/10 - Not Certificate Blocking - Annual testing of controls not done - Closed

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 MAY 19, 2014
<input type="checkbox"/> BOILER EXPLOSION
<input type="checkbox"/> FURNACE EXPLOSION
<input type="checkbox"/> DRY FIRED
<input checked="" type="checkbox"/> OTHER (Explain): Cracking/Steam Leak

Authority: 1965 PA 290
 Completion: Mandatory
 Penalty: None

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

Boiler Information

BOILER LOCATION Carousel Cleaners				
ADDRESS 17240 E 13 Mile Rd	CITY Roseville	STATE MI	ZIP CODE 48066	
OWNER NAME Paul Pak				
ADDRESS 17240 E 13 M. Rd	CITY Roseville	STATE MI	ZIP CODE 48066	
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 Fulton				
STATE NUMBER M 396164 M	MFG SERIAL NUMBER 87342	NATIONAL BOARD NUMBER 87342	MAWP 150	YEAR BUILT 2000
SAFETY / RELIEF VALVE INSTALLED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	SET PRESSURE 150	ASME / NB STAMPED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		CAPACITY 690
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)				
CSD-1 TESTING <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA	CSD-1 TEST LAST PERFORMED	BY WHOM 08		BTU / HR INPUT
IS CERTIFICATE CURRENT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	inspection performed but invoice still outstanding		EXPIRATION DATE 08/19/2012	
DOES JURISDICTION REQUIRE LICENSED OPERATOR <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	WERE OPERATORS LICENSED OR REGISTERED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
TYPE OF BUSINESS WHERE USED Dry Cleaner	NUMBER KILLED 0	NUMBER INJURED 0		

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 Paul	ADDRESS	CITY Roseville	STATE MI	ZIP CODE
NAME Susie	ADDRESS	CITY Madison Heights	STATE MI	ZIP CODE
NAME	ADDRESS	CITY	STATE	ZIP CODE

Accident

PROPERTY DAMAGE (Be Specific. Include dollar amounts. Attach a separate page if necessary)
 Two holes in shell about 7" from top of boiler, about 3-1/2" left of exhaust
 foot flue. Holes in figure 8 pattern with 8 lying on its side. Left loop
 of the 8 is hole ~ 1/2" dia; right loop of 8 is hole ~ 1/8" dia. Cost of
 weld repair exceeds replacement cost. Replacement cost ~ \$25,000.

TYPE OF ACCIDENT (Explosion, Dry Fired, Rupture, etc.)
 Cracking which resulted in two holes.

DESCRIBE THE CAUSE AND EVENTS WHICH PRECEDED THE ACCIDENT. DESCRIBE IN DETAIL THE EXTENT AND PARTS DAMAGED.
 The original crack appears to be a stress crack at or near the
 normal water line. Owner continued to operate the boiler from
 May 19 to June 2nd. Only could get 50-60psi due to the steam leakage.
 Burner was at maximum firing rate. Crack appears to have circled
 back at each end resulting in the two holes.

DAMAGE TO BOILER Boiler was total loss since repair cost exceeds replacement cost.	CAN BOILER BE REPAIRED <input type="checkbox"/> YES <input checked="" 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
 Original crack was stress crack at or near the normal waterline.
 Likely caused by scale build up or erosion from evaporation.
 Holes were caused by addition stress when boiler continued to
 operate with steam leakage.

INSPECTOR'S RECOMMENDATION
 Recommended to owner that better chemical control be
 used; adherence to require internal inspection frequency;
 and shutting down the boiler whenever abnormal conditions occur.

WHAT HAS BEEN DONE OR WILL BE DONE TO PREVENT RECURRENCE OF LIKE OR SIMILAR FAILURES
 Education of the owner concerning the proper operation /
 dangers involved in high pressure steam boilers.

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 type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO
NAME	ADDRESS	CITY	STATE	ZIP CODE			
NAME	ADDRESS	CITY	STATE	ZIP CODE			

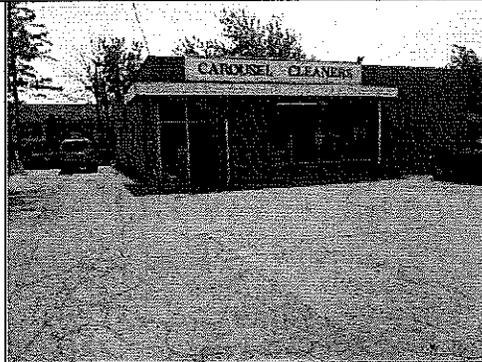
Inspector
 NAME OF INSPECTOR: David Hunt
 LICENSE NUMBER: 200920
 DATE OF REPORT: 6/13/2014

PHOTOS

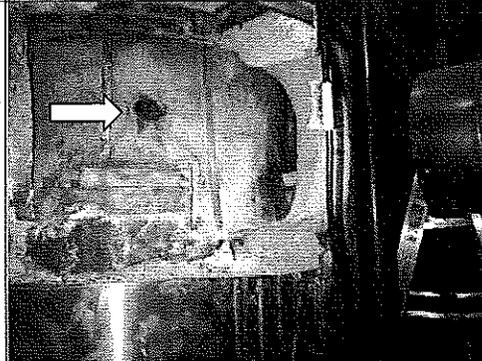
Type Description Below

Insert Photos Below

➤ This shows the front of the dry cleaners.



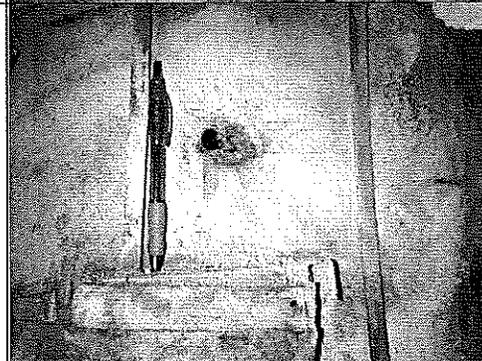
➤ This shows the area where the skin and insulating material have been removed. To the right you can see the end of the exhaust flue. The arrow points to the figure eight shaped holes.



➤ This is a closer shot of the holes. You can clearly see the 1/2-inch diameter hole. To the right of this is the smaller 1/8-inch diameter hole. The arrow points to the bottom of the smaller hole.



➤ This is another shot of the holes with an ink pen next to them. You can see the relative size based on an ink pen.



Carousel Cleaners 17240 E 13 Mile Rd , Roseville, MI, 48066-1619

[-] Boiler Details

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

Other No.
Specific Location
Year Built *

Year Installed *
Edit Manufacturer
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: 08/19/2012

Inspection Type: External Non-Cert

Condition OK to Issue Cert. *
Inspection Date *
Pressure Allowed * (150)

S.V. Tested (Y)
Rule 27 Complied *
Safety Valve Set At * (150)
Total Capacity

* Required Field

[-] Object/Inspection Comments

Inspection Comments

Boiler inspected as per insurance inspector's request to verify operation. Boiler not in use during visit. Boiler put into operation with Purvis & Foster to determined defects externally. Steam and water leaks noted coming out of the fan blower and boiler top head. Defect appears to be coming from the inner pass or upper handhole scale build-up. Owner ordered not to use boiler until the cause of leaks and overheating is determined and repaired. Skin needs to be stripped to determine the extent of damage. Special fee issued to the owner/user.

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

USE: Power Boiler;; SV SET: 150;; INSP AGENCY:HARTF; Method of Firing:Automatic; Method of Firing:Auto; LWCO Type:Probe Type; Construction:Welded; SV Capacity Type:LB/HR; Boiler Type:Fire Tube; Boiler Use:Power; Boiler is being replaced by RE Swartz, license #313315-3B.(06/13/2014)

[-] Object History

[-] Scheduled Events for this Object

- [edit](#) Recurring Cert - Next:6/13/2014
- [edit](#) Violation Follow Up - Next:6/17/2014

[-] Inspection History

- [View](#) 06/12/01 - Certificate External Inspection - Certificate Issued
- [View](#) 06/19/02 - Certificate External Inspection - Certificate Issued
- [View](#) 02/25/05 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 11/02/06 - Certificate Internal Inspection - Generic MI Cert Fee - Boiler - Certificate Issued
- [View](#) 12/12/07 - Certificate Internal Inspection - Certificate Issued
- [View](#) 04/23/09 - Certificate Internal Inspection - Boiler Certificate
- [View](#) 08/19/11 - Certificate Internal Inspection - Boiler Certificate
- [View](#) 03/09/12 - Non-Certificate External Inspection
- [View](#) 12/20/12 - Non-Certificate External Inspection
- [View](#) 06/13/13 - Certificate Internal Inspection - Boiler Certificate
- [View](#) 06/02/14 - Non-Certificate External Inspection
- [View](#) 06/03/14 - Non-Certificate External Inspection

[-] Past Recommendations and Violations for this Object

- [View](#) 08/08/11 - Not Certificate Blocking - Annual testing of controls not done - Closed
- [View](#) 08/18/11 - Not Certificate Blocking - Miscellaneous - Closed

[View](#) 12/20/12 - Not Certificate Blocking - Internal required - Closed

[View](#) 12/20/12 - Not Certificate Blocking - Cannot operate boiler without certificate. - Closed

[View](#) 06/02/14 - Certificate Blocking - Cannot operate boiler without certificate. - Closed

[View](#) 06/02/14 - Certificate Blocking - Defective boiler - Closed

[View](#) 06/03/14 - Not Certificate Blocking - Cannot operate boiler without certificate. - Open

[View](#) 06/03/14 - Certificate Blocking - Cannot operate boiler without certificate. - Open

[View](#) 06/03/14 - Certificate Blocking - Defective boiler - Open

[View](#) 06/03/14 - Certificate Blocking - Boiler overheating - Open

[-] Tests

No Record(s)

[-] Repairs

No Record(s)

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User Name: Lisa Rambo
Employer : State of Michigan

Stenrose, David (LARA)

From: Hunt,David L <DHUNT@travelers.com>
Sent: Friday, June 13, 2014 8:52 AM
To: Stenrose, David (LARA)
Subject: MIR396164 - Accident Report
Attachments: Accident Report 2014-05-19 MIR396164 pg1.pdf; Accident Report 2014-05-19 MIR396164 pg2.pdf; Accident Report 2014-05-19 MIR396164 pg3.pdf

David,

Here is the accident report for boiler MIR396164 at Carousel Cleaners, 17240 E 13 Mile Rd, Roseville, MI 48066.

David L. Hunt | Sr. Risk Control Consultant | Boiler and Machinery Risk Control
Travelers
1987 N Warren Rd
Ovid, MI 48866
W: 989.295.3584 F: 888.777.0471



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Stenrose, David (LARA)

From: Stenrose, David (LARA)
Sent: Monday, June 02, 2014 2:17 PM
To: Villarama, Felicisimo (LARA)
Cc: Moore, Mark (LARA); 'Hunt,David L'
Subject: Carousel Cleaners

MIR396164: Dave Hunt reports that this boiler is running, and leaking. He has tried to get them to shut it down. Please visit the location ASAP and check it out.

Contact is [REDACTED]

David Stenrose
Assistant Chief, Boiler Division
Department of Licensing and Regulatory Affairs
Phone 517-241-9334
Fax 517-241-6301
Providing for Michigan's Safety in the Built Environment

Michigan Department of Licensing and Regulatory Affairs

Bureau of Construction Codes / Boiler Division

P.O. Box 30254, Lansing, MI 48909

(517) 241-9334

Authority: 1965 PA 290

DATE INSPECTED: * 06/02/2014	CERT DUE DATE 06/02/2015	KIND OF INSP.: <input type="checkbox"/> INT <input checked="" type="checkbox"/> EXT	BOILER NO.: * MIR396164	NAT'L BD. NO.: 87342	OTHER NO.:
OWNER/USER Carousel Cleaners			NATURE OF BUSINESS: Cleaners		
OWNER/USER ADDRESS 17240 E 13 Mile Rd			OWNER/USER CITY Roseville	STATE MI	ZIP 48066-1619
LOCATION Carousel Cleaners			SPECIFIC LOCATION: Boiler Room	BOILER LOCATION COUNTY: Macomb	
LOCATION ADDRESS 17240 E 13 Mile Rd			LOCATION CITY Roseville	STATE MI	ZIP 48066-1619
TYPE: * Fire Tube	YEAR BUILT: * 2000	YEAR INSTALLED: * 2001	MANUFACTURER: * Fulton	CONSTRUCTION: * Weld	
USE: * Power Boiler	FUEL: * Gas	METHOD OF FIRING: * Auto	PRESSURE GAUGE: * Y	ASME STAMP: * S	
LOW WATER CUT OFF: * Probe	MAX. DESIGN TEMP. (HWH, HWS) 0 DEGREES F	MANHOLE: * N	PRESSURE ALLOWED THIS INSPECTION: * 0 PREVIOUS INSPECTION: 150		
RULE 27 COMPLIED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	SAFETY VALVE SET AT: THIS INSPECTION: 0	HAS THE VALVE BEEN TESTED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	BTU/HR INPUT: 840000	POWER BOILER HEATING SURFACE: * 60	
MIN. REQUIRED SAFETY VALVE RELIEVING CAPACITY BASED ON: Stamp	MIN. S. V. RE. CAP. REQUIRED: * 690	TOTAL CAP. OF SAFETY VALVES: * THIS INSPECTION: 0			
IS CONDITION OF BOILER SUCH THAT A CERTIFICATE MAY BE ISSUED: * <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (explain fully under condition)					

CONDITIONS OF BOILER: (attach additional sheet, if necessary)

Boiler appears to be leaking; steam was blowing out of the boiler. Boiler was reported as being cracked and I was there to do a claim investigation. Owner was operating the boiler when it was suspected of being cracked. I called David Stenrose and reported this situation.

VIOLETION DATE:	VIOLETION CODE:	CONDITION:	COMPLIANCE DATE:
-----------------	-----------------	------------	------------------

REQUIREMENTS - OWNER/USER MUST COMPLY WITH THESE REQUIREMENTS: (attach additional sheet, if necessary)

NAME AND TITLE OF CONTACT PERSON:

Susie Casalou, President

REQUIREMENTS FOLLOW UP DATE:

I HEREBY CERTIFY THIS IS A TRUE REPORT OF MY INSPECTION.

SIGNATURE OF INSPECTOR:

David A. Hunt

David Hunt

LICENSE NO. 300920

COMPANY NO.

NATIONAL BOARD COMMISSION NUMBER: 11420

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Michigan Department of Licensing and Regulatory Affairs

Bureau of Construction Codes / Boiler Division

P.O. Box 30254, Lansing, MI 48909

(517) 241-9334

Authority: 1965 PA 290

DATE INSPECTED: * 06/03/2014		CERT DUE DATE 06/03/2015		KIND OF INSP.: <input type="checkbox"/> INT <input checked="" type="checkbox"/> EXT		BOILER NO.: * MIR396164		NAT'L BD. NO.: 87342		OTHER NO.:		
OWNER/USER Carousel Cleaners						NATURE OF BUSINESS: Cleaners						
OWNER/USER ADDRESS 17240 E 13 Mile Rd						OWNER/USER CITY Roseville			STATE MI		ZIP 48066-1619	
LOCATION Carousel Cleaners						SPECIFIC LOCATION: Boiler Room			BOILER LOCATION COUNTY: Macomb			
LOCATION ADDRESS 17240 E 13 Mile Rd						LOCATION CITY Roseville			STATE MI		ZIP 48066-1619	
TYPE: * Fire Tube			YEAR BUILT: * 2000		YEAR INSTALLED:* 2001		MANUFACTURER: * Fulton			CONSTRUCTION: * Weld		
USE: * Power Boiler			FUEL: * Gas			METHOD OF FIRING: * Auto			PRESSURE GAUGE: * Y		ASME STAMP: * S	
LOW WATER CUT OFF:* Probe		MAX. DESIGN TEMP. (HWH, HWS) 0 DEGREES F				MANHOLE: * N		PRESSURE ALLOWED THIS INSPECTION: * 150 PREVIOUS INSPECTION: 0				
RULE 27 COMPLIED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		SAFETY VALVE SET AT: THIS INSPECTION: 150		HAS THE VALVE BEEN TESTED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			BTU/HR INPUT: 840000		POWER BOILER HEATING SURFACE: * 60			
MIN. REQUIRED SAFETY VALVE RELIEVING CAPACITY BASED ON: Stamp				MIN. S. V. RE. CAP. REQUIRED: * 690			TOTAL CAP. OF SAFETY VALVES: * THIS INSPECTION: 2582					
IS CONDITION OF BOILER SUCH THAT A CERTIFICATE MAY BE ISSUED: * <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (explain fully under condition)												

CONDITIONS OF BOILER: (attach additional sheet, if necessary)

Boiler inspected as per insurance inspector's request to verify operation. Boiler not in use during visit. Boiler put into operation with Purvis & Foster to determine defects externally. Steam and water leaks noted coming out of the fan blower and boiler top head. Defect appears to be coming from the inner pass or upper handhole scale build-up. Owner ordered not to use boiler until the cause of leaks and overheating is determined and repaired. Skin needs to be stripped to determine the extent of damage. Special fee issued to the owner/user.

<u>VIOLATION DATE:</u>	<u>VIOLATION CODE:</u>	<u>CONDITION:</u>	<u>COMPLIANCE DATE:</u>
06/03/2014	1.6	COND: Unlawful to operate boiler in Michigan without current valid inspection certificate Per 408.774 Sec 24 of PA-290 of 1965	
06/03/2014	1.6	COND: Unlawful to operate boiler in Michigan without current valid inspection certificate Per 408.774 Sec 24 of PA-290 of 1965	06/03/2014
06/03/2014	4.1	COND: Evidence of a leak, crack, or general corrosion Per Rule 408.4161 NBIC 2.2.7 and 2.2.8	06/03/2014
06/03/2014	2.5	COND: The boiler is showing indications of overheating. Per Rule 408.4024 NBIC 2.2.10.4 (b)	06/03/2014

REQUIREMENTS - OWNER/USER MUST COMPLY WITH THESE REQUIREMENTS: (attach additional sheet, if necessary)

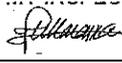
- 06/03/2014 REQ: Correct the violations issued and schedule boiler inspection.
- 06/03/2014 REQ: Correct the violations issued and schedule boiler inspection.
- 06/03/2014 REQ: Remove casing from boiler and have area of concern inspected by state or special inspector.
- 06/03/2014 REQ: Have insulation and or baffling repaired or replaced to prevent the overheating.

NAME AND TITLE OF CONTACT PERSON:

Paul-Owner

REQUIREMENTS FOLLOW UP DATE:

SIGNATURE OF INSPECTOR:



LICENSE NO. 301053

COMPANY NO. _____

Felicisimo Villarama

NATIONAL BOARD COMMISSION NUMBER: 9908

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BCC-310a (Rev. 5/10)

Stenrose, David (LARA)

From: Stenrose, David (LARA)
Sent: Thursday, June 12, 2014 11:49 AM
To: Villarama, Felicisimo (LARA)
Cc: 'Hunt,David L'; Moore, Mark (LARA); Williams, Charles (LARA); [REDACTED]
Subject: Emergency install 6/17/2014 carousel cleaners

RE Swartz license no. is 313315-3B

David Stenrose
Assistant Chief, Boiler Division
Department of Licensing and Regulatory Affairs
Phone 517-241-9334
Fax 517-241-6301
Providing for Michigan's Safety in the Built Environment

From: Diane [REDACTED]
Sent: Thursday, June 12, 2014 11:26 AM
To: Stenrose, David (LARA)
Subject: Emergency install 6/17/2014

R. E. Swartz & Son is performing an emergency boiler install for Carousel Cleaners located at 17240 E. 13 Mile Rd., Roseville, MI 48066. We are installing a 20 HP fulton boiler using all existing piping and connections on Tuesday June 17, 2014. They currently do NOT have a working boiler, that is why this is an emergency. The permit application will be in the mail as of 6/13/2014 due to my boss being out of the office until then, and the drawings need to be completed. Please respond to the email so I can ensure you received the email. Thank you for your time.

Sincerely;
Diane



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 BLR2014-16)

August 19, 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 2,518 for the State of Michigan and 258 for the insurance companies.

The total number of inspections conducted in Michigan during this quarter is 7,216. The total number of inspections with violations is 2,776. Approximately 37% of the inspections result in violations issued.

This signifies an increase from the last quarter of 1%.

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THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

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Welcome, mark moore

Violation Tracking Form

ID: 237
 StartDate: 4/1/2014
 EndDate: 6/30/2014
 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:	962	612	4937	149	574
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		4	24		1
1.2 Device Missing - Not Installed	1	3	3	1	
1.3 Improper Installation		11	61	2	13
1.4 Leaking		4	34		1
1.5 Incorrect Capacity		1	49		14
1.6 Missing Nameplate	1	3	7	1	2
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		3	17		
2.3 Improper Installation					
2.4 No Manual Reset	1	6	24		
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	1	1	5		
3.2 Device Missing - Not Installed	1	6			
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		1	26		
4.3 Improper Installation			5		
4.4 No Manual Reset		1	32		

	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	6	5	90		1
5.3 Improper Installation	1		2		1
5.4 Fuel Leaks					
5.5 Emergency Shut Down Switch–Missing / Not Functioning	9	6	101		
5.6 Fuel Train Damaged					
5.7 Flame Impingement					
5.8 Improper Combustion Air					
6) Level Indicators - Gage Glasses, Bulls Eyes and Fiber Opticals					
6.1 Inoperable					
6.2 Device Missing - Not Installed					
6.3 Improper Installation	1	1			
6.4 Leaking					
6.5 Internal Deposits		8			
7) Pressure / Temperature Indicators					
7.1 Damaged - Inoperable					
7.2 Device Missing - Not Installed		4	25	6	10
7.3 Improper Installation					
7.4 Leaking					
7.5 Improper Size / Range		4	8		1
8) Pressure - Retaining Items (PRI) / Boiler-Piping, Pumps, Systems Valves, Expansion Tanks					
8.1 Inoperable					
8.2 Item Missing – Not Installed					
8.3 Improper Installation	2	6	71		23
8.4 Item Leaking	3	6	15		1
8.5 Improper Repair / Alteration	3				
8.6 Materials Deficiencies	2	4	7		
8.7 Required documentation, nameplate-missing or damaged	3	12	81		6
8.8 Non-ASME Code Construction	6		4		6
8.9 Inspection Certificate-missing or expired	46	108	710	21	100
8.10 Testing required	7	20	539	1	1

Cancel

MI Inspector Statistics

4/1/2014 thru 6/30/2014

Company	Inspector	Total No. of Inspections	Internal Boiler	External Boiler	Cert Inspections	Non-Cert Inspections	Fees	COS Boiler
[Empty Table Area]								
Grand Totals		7,216	911	6,303	5,991	1,223	\$582,737.71	807

Violation Statistics

4/1/2014 thru 6/30/2014

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
	10	2	0	10	0	0	0	2	0	0
Grand Totals	2,776	2,894	1,332	1,444	0	0	1,325	1,569	0	0



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 BLR2014-17)

September 3, 2014

To: Members, Board of Boiler Rules

From: Mark Moore, Chief, Boiler Division

Subject: Entergy Nuclear Operations
Palisades Nuclear Plant
27780 Blue Star Hwy
Covert, Mi. 49043

A review was conducted on June 17, 2014 for purpose of determining Entergy – Palisades Nuclear Plant’s compliance with P.A. 290 in the conduct of repairs to their boilers and piping at its facilities in Covert, Michigan. Assistant Chief Dave Stenrose conducted the review in the presence of Jerome Nordby, Sr. Engineer, Engineering Programs for Entergy-Palisades Nuclear Plant. 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 piping be granted to The Entergy Nuclear facilities for a period of three years to expire on June 17, 2017, or continue until another 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 Inspector. Re-instatement of the exemption may only be granted by the Board of Boiler Rules.

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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

BOILER DIVISION ATTENDANCE SHEET

Review Audit Other

Company: Entergy – Palisades Nuclear Plant _____

Address: 27780 Blue Star Memorial Highway _____

Covert Mi. 49043 _____

Date: June 17, 2014 _____

Print Name	Print Title	Signature	Organization
Jerome Nordby	Senior Engineer		Engineering
DAVE STENROSG	ASSISTANT CHIEF BOILER DIVISION		STATE OF MICHIGAN

S:Boiler/Forms/Attendance sheet 6-13.doc

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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

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

Date Review Conducted June 17, 2014_____

Application type: Renewal

1. Organization's Name and Business Address.

Entergy - Palisades Nuclear Plant
Name
27780 Blue Star Memorial Highway, Covert Mi., 49043
Street, City, State, Zip
Utility Power Station
Principal Business

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

Name Jerome Nordby_____

Title Sr. Engineer, Engineering Programs_____

Mailing Address: Entergy - Palisades Nuclear Plant_____

Street 27780 Blue Star Hwy._____

City Covert_____

Michigan_____ 49043_____

State Zip

(269) 764-2821_____

Phone Number

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3. **Authorized Inspection Agency.** HSB Global Standards
4. **ASME Symbol Stamp(s) Held:** None
5. **National Board Symbol Stamp(s):** None
6. **Are the boilers and piping owned and operated by the applicant.** Yes
7. **Type of code items to be repaired/installed.**
Section IV: Boilers and Boiler non-external piping. The plant reports that no Sec.IV boiler repairs have been done in-house since the last Audit and it is anticipated that Sec.IV boiler repairs will be done by outside contractors in the future.
8. **Where are repairs done?**
Shop and Field
9. **Does the organization have the latest edition of the applicable Codes and Addenda and Boiler Law and Rules.**
Section I-No will update
Section IX-2013 B31.1-No will update to 2010
NBIC-No will update to 2011 Michigan Boiler Law and Rules-Yes
10. **Does the organization have a Quality Assurance Manual or Procedures for the work anticipated?** Yes, the manual is a computer based PDF read only file. There are no controlled hard copies. Job specific procedures are written into the work orders.
11. **Does the organization have and maintain a maintenance record for each exempt boiler?** Yes
12. **How is Heat Treatment capability provided?**
Sub-contracted to corporate services, procedures available on line in a fleet procedures library.
13. **How is Non-destructive examination capability provided?**
Sub-contracted to corporate services, procedures available on line in a fleet procedures library. Level 2 qualified personnel on site, Level 3 qualified personnel at fleet level services.
14. **Does the QA Manual or Procedures provide for pressure tests?**
Yes, when required the work order will contain the procedure as a hold point.
15. **What welding processes are used?**
SMAW and GTAW

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

Yes

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

Yes

17a. Is a Continuity Log maintained? Yes

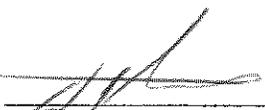
18. Are welders regular employees?

The plant employs 5 full time welders. During plant outages Entergy will employ welders out of the local hall. These welders are qualified to Entergy's welding program and QA manual before they are allowed to weld in the plant.

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

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

Yes



Inspector Signature

June 17, 2014

Date

Chief Inspector

Date

Chair, Boiler Board

Date



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 BLR2014-18)

September 3, 2014

To: Members, Board of Boiler Rules

From: Mark Moore, Chief, Boiler Division

Subject: Lafarge Cement
1435 Ford Ave
Alpena, MI 49707

A review was conducted on May 22, 2014 for purpose of determining The Lafarge Cement's compliance with P.A. 290 in the conduct of repairs to their boilers and piping at its facilities in Alpena, Michigan. Assistant Chief Dave Stenrose conducted the review in the presence of Jim Forrest, Maintenance Inspector and Jeff Ferguson, Millwright, both of Lafarge Cement Company. The proceedings were also attended by Steve Ayotte, Special Inspector with ARISE Insurance Co. 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 piping be granted to Lafarge Cement Company facilities for a period of three years to expire on May 21, 2017.

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

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P.O. BOX 30254 • LANSING, MICHIGAN 48909
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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

BOILER DIVISION ATTENDANCE SHEET

Review Audit Other

Company: LAFARGE CEMENT

Address: 1435 FORD AVE.

ALPENA MI. 49707

Date: 5-22-2014

Print Name	Print Title	Signature	Organization
James Forrest	Maintenance Inspector	<i>James Forrest</i>	Lafarge
STEVE AYOTTE	ARISE INSPECTOR	<i>SA</i>	ARISE
Jeff Ferguson	Millwright	<i>Jeff Ferguson</i>	Lafarge
DAVE STENROSE	ASSISTANT CHIEF STATE OF MICHIGAN	<i>DS</i>	SOM Boiler Division

S:Boiler/Forms/Attendance sheet 6-13.doc

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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

Application type:

_____ May 22, 2014 _____

New _____ Renewal X _____

1. Organization's Name and Business Address.

Lafarge Cement
1435 Ford Ave., Alpena Mi. 49707

Cement Production

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

James Forrest, Maintenance Inspector

Mailing Address:1435 Ford Ave.
Alpena Mi. 49707
(989) 358-3261

3. Authorized Inspection Agency: ARISE Insurance

4. ASME Symbol Stamp(s) Held: NONE

_____, _____, _____; _____, _____, _____; _____, _____, _____;

5. National Board Symbol Stamp(s): NONE

_____, _____, _____; _____,

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
 Boiler non-external piping X
8. Where are repairs done?
- Shop _____ Field _____ Shop and Field X
9. Does the organization have the latest edition of the applicable Codes and Addenda and Boiler Law and Rules.
- Section I 2007 Section IX 2007
 B31.1 2007 NBIC 2011
 Michigan Boiler Law and Rules X
 The organization will need to procure current ASME Section 1, Section IX, and B31.1 code books.
10. Does the organization have a Quality Assurance Manual or Procedures for the work anticipated? Yes X
11. Does the organization have and maintain a maintenance record for each exempt boiler? Yes X
12. How is Heat Treatment capability provided?
 Repairs of the type requiring heat treatment are not done under this Section 23 exemption program.
13. How is Non-destructive examination capability provided?
- In-house X (Visual inspection only) Procedures available X
 Repairs of the type requiring Non-destructive examination other than visual inspection are not done under this Section 23 exemption program.
14. Does the QA Manual or Procedures provide for pressure tests?
 Yes X Procedures Available X
15. What welding processes are used?
- SMAW X
 LC-1 uses backing with 6010 root and 7018 over
 LC-2 uses no backing, all welding with 7018

