



# TEXAS DEPARTMENT OF LICENSING & REGULATION

Regulatory Program Management Division • PO Box 12157 • Austin, Texas 78711 • (512) 463-6599

[www.tdlr.texas.gov](http://www.tdlr.texas.gov)

## Procedure 3

Rev 0

### Electronic Subsequent Boiler Inspection Report

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#### a. Purpose

0. *The purpose of this procedure is to describe the steps in completing the Jurisdiction Online (JO) Inspection Report.*

#### b. Scope

0. *This report may be used in the following situations:*
  - A. *When conducting a subsequent inspection of an object that has previously been assigned a Texas Boiler number.*
  - B. *When inactivating or reactivating a boiler.*
  - C. *When moving an object from one location to another.*
  - D. *When reporting, checking or clearing a violation.*
2. *This procedure is a complete rewrite of previous versions.*

#### c. Description

1. *All previous methods of electronic reporting are obsolete. The electronic JO Inspection Report will be the only one accepted under this procedure.*
2. *Authorized inspection agencies reporting on JO must submit the web based electronic report.*
3. *Complete the report as described in 4.1 below.*

#### d. Description

1. *Ensure the boiler location matches the one on record. The information below describes how to complete each block. If there is no instruction after the block heading, the heading is considered self-explanatory. Fields with an asterisk (\*) are required fields.*

*(Refer to Exhibit 1)*

A. Last Date of Site – Date of inspection

B. Conditions Explained to - Name, title and phone number of person



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- C. **\*Texas Blr #** in the section for the boiler being inspected
- a. **\* Inspection Type** (internal or external, Cert or Non-Cert, Change status DU, Junked ect)
  - b. **\* Condition OK?**
  - c. **\* Cert Fees**
- D. **Click the "Edit" link**
- (Refer to Exhibit 1A for items 5 thru 47)
- E. **National Board Number** –
- F. **Serial Number** - Manufacturer's serial number as shown on the ASME stamping or nameplate.
- G. **\*Manufacturer** - Enter the complete 'Certified by' manufacturer's name (not assembler) as shown on the ASME stamping or nameplate. Do not put trade or model names.
- H. **Manufacturer's Model Number** – Enter the manufacturer's model number.
- I. **\*Identified by:** Decal, stamp or metal tag.
- J. **\*Year Built** – Enter year built. If estimated, enter "Est".
- K. **\*Specific Location in Plant**
- L. **\*Texas Special** - If a Texas Special status has been granted, enter "Yes" in this space. Verify the Texas SPCL stamping. If no Texas Special status, check the "No" block.
- M. **\*Variance** - If a variance to any rule has been granted by the Chief Inspector, "Yes" will be entered in this space and a Certificate of Variance shall be posted on or near the boiler. If a variance is required or requested, refer to AIA Procedure 4. If no variance has been granted, check the "No" block.
- N. **\*Type – Select from drop down menu.**
- C - Cast iron/aluminum
  - CA - Cast Aluminum



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**CK - Steam Pressure Cooker**  
**DC - Direct Contact**  
**E - Electric**  
**F - Fire Tube**  
**FW- Fire/Water Tube**  
**O - Other (must be fully explained in conditions section)**  
**PG- Process Steam Generator**  
**SJ - Steam Jacketed Kettle**  
**U - Unfired**  
**W - Water Tube**

**O. \*Use - Select from drop down menu.**

**H - Hot Water Heating (provisions for thermal expansion must be addressed)**  
**HT - High Temp Water Boiler**  
**PWH - Potable Water Heater**  
**P - Power**  
**PH - Portable Hot Water Heating**  
**PS - Portable Hot Water Supply**  
**PP - Portable Power**  
**R - Process**  
**S - Steam Heat**  
**W - Hot Water Supply (provisions for thermal expansion may be required)**  
**U - Unfired (this is a boiler type; not use)**

**P. Heating Surface (square feet) - The heating surface should only be indicated in square feet if available. Do not use kilowatts (kW) or horsepower (H.P.). To convert kW to heating surface, see Exhibit 2.**

**Q. Capacity – Enter capacity in gallons for potable water heaters.**

**R. \*ASME Code Stamp - This indicates the ASME Code stamp on the boiler. If the ASME Code stamp is not visible and other Code required stamping information is present, the owner should be directed to contact TDLR/Austin for possible permission to restamp. Select from drop down menu.**

**A - Boiler Assembly (in conjunction with “S” stamp)**  
**E - Electric Boilers**  
**H - Heating Boilers**  
**HLW- Water Heaters**  
**M - Miniature Boilers**



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- N - None (Explain)**
- S - Power Boilers**
- U - Unfired Boilers**
- U2 - Div. 2 Unfired Boilers**
- U3 - Div. 3 Unfired Boilers**

- S. \*SV Count – Enter the total number of safety/safety relief valves.**
- T. Minimum SV/SRV Capacity (Section IV Only) – Enter the stamped data for ASME Section IV boilers if applicable.**
- U. Min SV/SRV Capacity Required Type - Select 'lb/hr' or 'btu/hr' from drop down menu.**
- V. \*Boiler Fuel - Select from drop down menu.**

Alcohol	Natural Gas/Rec Heat
Bagasse	Natural Gas/Wood
Black Liquor	Other (explain)
Butane	Propane
Coke	Recovered
Coal	Recovered Heat
Electricity	Recovered
Fuel Oil	Heat/Natural Gas
Hydrogen Sulfide	Solar/Electric
Hydrogen	Sewer Gas
Kerosene	Solid Waste/Natural Gas
LP/Diesel	Solar
Methane	Steam
Natural Gas/Fuel Oil	Sulfur
Natural Gas	Solid Waste-GRBG
Natural Gas/Methane	Wood
Natural Gas/Propane	

- W. Input Btu/Hr – Enter the Btu/hr input as shown on stamping or nameplate information. For electric boilers, convert kW to Btu/hr (Exhibit 2). This information is mandatory for all heating boilers.**
- X. Output Btu/Hr – Enter the Btu/hr input as shown on stamping or nameplate information. For electric boilers, convert kW to Btu/hr (Exhibit 2). This information is mandatory for all heating boilers.**



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- Y. Maximum Steam Capacity** – Enter the maximum design steam capacity in lbs/hr from either the Manufacturer's Data Report or the name plate/Code stamping as applicable.
- Z. Maximum Steam Capacity Type** - Select 'lb/hr' or 'btu/hr' from drop down menu.
- AA. External Piping ASME** - This applies to Section I boilers and Section VIII, unfired boilers and process steam generators. Select from 'yes' or 'no' on the drop down menu.
- BB. \*Boiler MAWP** - as shown on ASME stamping or nameplate.
- CC. Expansion Tank MAWP** - as shown on ASME Code stamping or nameplate. If the expansion tank is not constructed to the ASME Code, the system working pressure is limited to 30 PSIG.
- DD. \*Expansion Tank ASME** - as shown on ASME Code stamping or nameplate. Indicate the Code or non-Code status of the installed expansion tank. Note: Provisions for thermal expansion is mandatory for hot water heating boilers. For closed systems operating above 30 psig, ASME Code Section VIII, Division 1 construction and stamping is required. If the system is of the open type, clearly indicate in the conditions section of the report the provisions for thermal expansion. If this block is not applicable to the installation, check N/A.
- EE. Low Water Fuel Cutoff MAWP** – Enter the LWFC MAWP. Note: The low water fuel cutoff device(s) must be equal to or greater than the MAWP for the boiler.
- FF. Low Water Fuel Cutoff Type** – Select the LWFC type MAWP from the drop down menu. If type is other than probe, float & chamber or flow switch, describe in 'other' or 'comments' section.
- GG. Installed New?** Yes or No but may be left as unknown.
- HH. \*Certificate Duration (in months)** – Enter the inspection interval in months.
- II. 2<sup>nd</sup> Hand?** – Use only when inspecting a boiler that is moved to another location.



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**JJ. \*Certificate Expiration Date – Required only at JO roll out. Subsequent inspections will automatically populate based on the certificate duration entry in months.**

**KK. \*Issue Certificate - Select 'yes' or 'no' from drop down menu.**

**LL. \*Date of inspection – Use calendar icon to select the inspection date.**

**MM. \*First Inspection? - Select 'no' from drop down menu.**

**NN. \*S/SR Valve Total Capacity - Enter total valve capacity of all S/SR Valves installed on the boiler (including super-heaters).**

**OO. \*Set Pressure Highest – Enter highest safety/safety relief valve set pressure.**

**PP. \*Set Pressure Lowest – Enter lowest safety/safety relief valve set pressure. If there is only one valve installed, enter the same information twice.**

**QQ. SV Based on (Type) - Select 'lb/hr' or 'btu/hr' from drop down menu**

**RR. \*Extension Inspection? – Is inspection based on an owner/operator extension request? Yes or No**

**SS. Extension Approval Date - Enter date of the Chief Inspector's approval letter to the owner/user.**

**TT. Inspection Comments – Document inspection general comments.**

**UU. Object Comments – Document inspection specific to the boiler. Provide billing information such as bill owner, bill operator, bill other (explain).**

**(Refer to Exhibit 1A)**

**VV. Violations – If a violation exists, click on "Add a violation" (Exhibit 1A) under the 'Edit Boiler Tab'. In the pop up window select the appropriate category in the pull down menu then click 'Next'. In the subsequent pop up window select a 'Sub Category' from the pull down menu and click 'Next' and verify the follow information: Date Found, Status, Type, and enter the 'Date To Be Resolved By'.**



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**Note: 'Conditions' and 'Requirement' will auto populate with preselected data. Verify this information is correct and add additional information as needed. If there are no more violations click 'Submit' in the bottom left corner of window. If there are additional violations select 'Submit and Add Another Violation' from the pull down menu in the bottom center of window. Repeat as necessary.**

**When checking or clearing a violation, submit a 'non-certificate external inspection report.'**

- 2. Provide the owner/user with the paper proof of inspection and include Date, Violations, Inspection Organization, Commission Number and Applicable Fee using TDLR FORM 006BLR 12/07- Exhibit 1C.**
- 3. Submit the completed inspection report to TDLR within 30 days of inspection.**
- 4. Should you need additional information, contact TDLR at (512) 539-5716.**

**Approved:**

**Rob D. Troutt, Chief Inspector**

**October 2019**





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### Exhibit 1

My Current Open Inspection - Internet Explorer

<http://solutions.proses.com/LocationInspectionEnter.asp?PopUp=true&btnCancelClose=true&btnLinkID=0&btnLocationID=271267&btnReadOnly=false&btnSelectedObjects=NA>

**JURISDICTION ONLINE** Home | Help | Support | Logout

Monday, December 30, 2013

BPV | Location | Review | View | Accounting | Admin | Contact | Policy | My Offline Work | Reports

Work Planning | Open Inspections | Search Inspections | Search Objects | Move Objects | Object Mgmt | Reports

Location: Candelwood Suites 4320 S Interstate 35 Austin, TX 78745-3823

Inspector: Trovitt, Rob

Last Date on Site: 12/14/2013

Conditions Explained To: UNIC

Object	Last Inspect	OK	Inspection Type	Conditions OK?	Cert Fees	Other Fees	Other Fees	Other Fees
TX202296	12/14/2013	X	Not Inspected	UNIC				
TX202307	12/14/2013	X	Not Inspected	UNIC				
TX202399	02/13/2013	X	Not Inspected	UNIC				
TX222335	12/06/2012	X	Not Inspected	UNIC				

By pressing the submit button, you certify that the data submitted is correct to the best of your knowledge. Submission constitutes your application of a digital signature as defined by the United States "Electronic Signatures in Global and National Commerce Act" for your State Number (1787).

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User Name: Rob Trovitt  
Employer: State of Texas

3a 3b 3c

Example TX202399 is the boiler that  
needs the inspection

Submit Cancel Preview Insp. Report What do you want to do...

100%





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Exhibit 1A

Big Spring State Hospital 1901 N Us Highway 87 , Big Spring, TX, 79720-0283

**[ - ] Boiler Details**

Jurisdiction Number *	TX230896	Status *	Active	NB Number	241378	Serial No.	0510241378		
<a href="#">Edit Manufacturer *</a>	RAYPAK INC	MFR Model #							
Identified By *	Unknown	Year Built *	2005	Specific Location in Plant *	BLDG 505 OUTSIDE				
Texas Special *	?	Variance *	No	Type *	Water Tube	Use *	Hot Water Heating		
Htg Surface (Sq. Ft.)	39	Capacity (gallons)			ASME Code Stamp *	Unknown	SV Count *		
Min SV Cap Required			Min SV Cap Required Type	Unknown					
Fuel *	Natural Gas	Input BTU/HR	390000	Output BTU/HR				Max Steam Capacity	
Max Steam Capacity Type	Unknown	External Pipe ASME	No	Boiler MAWP *	160				
Expansion Tank MAWP	125	Expansion Tank ASME *	Unknown	LWCO MAWP	160				
LWCO Type	Flow Switch	Installed New?	No	Certificate Duration (MO) *	24	2nd Hand?	?		
Cert Exp Date *	12/13/2013								
* Required Field									

**[ - ] Inspection Details**

Current Certificate Expires: 12/13/2013

Issue Cert. *	Ye	Inspection Date *	11/13/2013	First Inspection? *	?	S/SR Valve Total Capacity *	
Set Pressure Highest *		Set Pressure Lowest *		SV Based On (Type)	Unknown		
Extension Inspection ? *	?	Extension Approval Date					
* Required Field							
* Required Field							

**[ - ] Object/Inspection Comments**

**Inspection Comments**

SV discharge

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

Pipe SV to a safe point of discharge



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### Exhibit 1B

### Exhibit 1C

THIS IS YOUR PROOF OF INSPECTION ONLY.

TEXAS  
BOILER #

THIS IS NOT A CERTIFICATE OF OPERATION.

3

INSPECTION  
DATE

VIOLATIONS  
NOTED? 4.2

INSPECTING  
ORGANIZATION

INSPECTOR  
NUMBER

38

☐ YES ☐ NO

4.2

4.2

AN INVOICE WILL FOLLOW FOR THE CERTIFICATE/INSPECTION FEE OF:  
☐ \$70.00 (AIA INSP.) ☐ \$110.00 (STATE INSP.) ☐ \$140.00 (STATE INSP.) 4.2  
 FEE IS INCURRED FOR EACH BOILER INSPECTED.

### Exhibit 2



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This formula should be used to convert kW to Sq. Ft. heating surface.

## Alternating Current

$$\text{Sq. Ft.} = \frac{\text{kW} \times 3413.0 \times 3.8}{33475}$$

This formula should be used to convert amperes/volts to kilowatts.

Direct Current	Alternating Current	
	Single Phase	Three Phase
$\frac{I \times E}{1000}$	$\frac{I \times E \times \text{P.F.}}{1000}$	$\frac{I \times E \times 1.73 \times \text{P.F.}}{1000}$

I = Amperes

E = Volts

P = Power Factor

(Power Factor can be obtained from each city utility company. However, each city in Texas has a Power Factor over .95. Therefore, a Power Factor of .95 can always be used.)

To convert kW to Btu/hr:  $\text{kW} \times 3.5 \times 1,000 = \text{Btu/hr}$