



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 1 of 11

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



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 2 of 11

- 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



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 3 of 11

- 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



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 4 of 11

- 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.



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 5 of 11

- 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. **2nd Hand?** – Use only when inspecting a boiler that is moved to another location.



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 6 of 11

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'.



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 7 of 11

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:

A handwritten signature in blue ink, appearing to read "Rob D. Troutt".

Rob D. Troutt , Chief Inspector

May 5, 2016



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 8 of 11

Exhibit 1

The screenshot shows the 'JURISDICTION ONLINE' web application interface. At the top, it displays the location 'Candlewood Suites 4220 S Interstate 35 Austin, TX 78745-2823'. Below this is a table of inspection objects. The table has columns for Object ID, Last Inspect, OK, Inspection Type, Conditions OK?, Cert Fees, and Other Fees. Three rows are highlighted with red boxes and numbered annotations:

- Row 1 (Object TX202396): Last Inspect 12/14/2013, OK status is 'Not Inspected'. A red box labeled '1' is around the location and '2' is around the OK status.
- Row 2 (Object TX202397): Last Inspect 12/14/2013, OK status is 'Not Inspected'. A red box labeled '4' is around the Object ID.
- Row 3 (Object TX202399): Last Inspect 02/13/2013, OK status is 'Not Inspected'. A red box labeled '3a' is around the Object ID, '3b' is around the OK status, and '3c' is around the 'Conditions OK?' dropdown menu.

At the bottom of the table, there are three buttons labeled '3a', '3b', and '3c' with red arrows pointing to the corresponding columns in the table above. The bottom of the page shows a navigation bar with 'Submit', 'Cancel', 'Preview Insp. Report', and a dropdown menu 'What do you want to do...'. The user name 'User Name: Rob Trout' and 'Employer: State of Texas' is visible in the bottom right corner.

Example TX202399 is the boiler that needs the inspection

The footer of the application shows a navigation bar with the following elements from left to right: 'Submit', 'Cancel', 'Preview Insp. Report', and a dropdown menu 'What do you want to do...'. In the bottom right corner, there is a zoom level indicator showing '100%'.



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 9 of 11

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

[Edit Manufacturer *](#) RAYPAK INC MFR Model #

Identified By * Year Built * 2005 Specific Location in Plant * BLDG 505 OUTSIDE

Texas Special * Variance * Type * Use *

Htg Surface (Sq. Ft.) 39 Capacity (gallons) ASME Code Stamp * SV Count *

Min SV Cap Required Min SV Cap Required Type

Fuel * Input BTU/HR 390000 Output BTU/HR Max Steam Capacity

Max Steam Capacity Type External Pipe ASME Boiler MAWP * 160

Expansion Tank MAWP 125 Expansion Tank ASME * LWCO MAWP 160

LWCO Type Installed New? Certificate Duration (MO) * 24 2nd Hand?

Cert Exp Date * 12/13/2013

* Required Field

[-] Inspection Details

Current Certificate Expires: 12/13/2013

Issue Cert. * Inspection Date * 11/13/2013 First Inspection? * S/SR Valve Total Capacity *

Set Pressure Highest * Set Pressure Lowest * SV Based On (Type)

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



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program

P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687

Email Address: boilers@tdlr.texas.gov

Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 10 of 11

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



TEXAS DEPARTMENT OF LICENSING AND REGULATION

Compliance Division/Boiler Program
P. O. Box 12157 • Austin, Texas 78711 • (512) 539-5716 • Fax (512) 539-5687
Email Address: boilers@tdlr.texas.gov Web site: www.tdlr.texas.gov

Procedure 3

Rev 0

Electronic Subsequent Boiler Inspection Report

Page 11 of 11

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
$\frac{I \times E}{1000}$	$\frac{I \times E \times P.F.}{1000}$	$\frac{I \times E \times 1.73 \times P.F.}{1000}$

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: kW x 3.5 x 1,000 = Btu/hr