

FORM P-2 MANUFACTURERS' DATA REPORT FOR ALL TYPES OF BOILERS EXCEPT WATERTUBE
As Required by the Provisions of the ASME Code Rules

1. Manufactured by Struthers Wells Corp., P.O. Box 8, Warren, Pa. 16365
(Name and address of manufacturer)

2. Manufactured for Foster Wheeler Energy Corp., Livingston, New Jersey
(Name and address of purchaser)

3. Location of Installation Philadelphia Gas Works, Philadelphia, Pennsylvania
(Name and address)

4. Type 78" ID Steam Drum Boiler No. 1-77-03-33099 77-03-33099-D1
(HRT, etc.) (Mfr's Serial No.) (CRN) (Drawing No.)
14435 Year Built 1978
(Nat'l. Board No.)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section I, 1974 and Addenda to Winter 1976
(Year) (Date)

Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report: _____

6. Boiler Shells or Drums: No. One Dia. 78" Length 14'-0" Dia. _____ Length _____
(Name of part, item number, mfr's name and identifying stamp)

7. Shell Plates SA516-Gr. 70 PVO 1-1/2"
(For each Shell or Drum state: Material Specification No. & grade, nominal thickness)

8. Longitudinal Joint(s) Welded Joint Efficiency 100%
(Seamless, Welded) (As compared to Seamless)

9. Heads SA516-Gr. 70 1-1/2" 2:1 Ellipsoidal 78" I.D.
(Material Specification No.; Thickness—Flat, Dished, Ellipsoidal—Radius of Dish)

10. Girth Joint(s) Welded No. of Shell Courses 2
(Seamless, Welded)

11. Tube Sheet _____ Tube Holes _____
(Mat'l Spec., Grade, Thickness) (Dia.)

12. Boiler Tubes: No. _____
(Mat'l. Spec., Grade) (Straight or Bent)
Dia. _____ Length _____ Gauge _____
(If various, give max. & min.) (or thickness)

13. Furnace No. _____ Size _____ Length, each section _____ Total _____
(O.D. or W x H)
Type _____
(Plain, Adamson, Ring Reinforced, Corrugated, Combined or Stayed)
_____ Seams: Type _____
(Mat'l Spec., Grade, Thickness) (Seamless, Welded)

14. Staybolts: No. _____ Size _____
(Diam., Mat'l. Spec. Grade Size Tensile, Net Area)
Pitch _____ Max. AWP _____ psi.
(Hor. and Vert.)

15. Stays or Braces

Location	Material Spec. No.	Type	No. & Size	Max. Pitch	Total Net Area	Fig. PFT-32 L/1	Dist. Tubes to Shell	Area to be Stayed	Max. A.W.P. psi.
(a) F.H. above tubes									
(b) R.H. above tubes									
(c) F.H. below tubes									
(d) R.H. below tubes									
(e) Through stays									
(f) Dome braces									

16. Other Parts. 1. _____ 2. _____ 3. _____
(Brief Description—i.e. Dome, Boiler Piping, etc.)

1. _____
2. _____
3. _____
(Mat'l. Spec., Grade, Size, Material Thickness, Max. AWP)

(Safety

Form P-2 (Back)

17. Openings: (a) Steam 1-6" x 600# RF LWN Flg. (b) Other 2-3"-600# RF LWN Flgs. Valve,
(No., Size, and Type) 5-1" - 6000# S.W. Cplgs.
 (c) Other (2) 20", (4) 16" W.E. (d) 3-1-1/2"-300# RF LWN Flgs.
(No., Size, Type, and Location) 4-1"-300# RF WN Flgs.
 (e) Manholes: No. 2 Size 18" x 300# Location Centerline of Ellipsoidal Head
 (f) Handholes: No. _____ Size _____ Location _____

18. Fusible Plug (if used) _____
(No., Diam., Location, Mfrs. Stamp)

19. Boiler Supports: No. Two Type Saddles Attachment Welded
(Saddles, Legs, Lugs) (Boiled or Welded)

20. Max. AWP 515 psi Based On P.G. 27.2.2 Heating Surface _____ sq ft
(Code Par. and/or Formula) (Total)

21. Shop Hydrostatic Test 773 psig. _____ kw.
(Electric Boilers)

CERTIFICATE OF COMPLIANCE

We certify the statements in this data report to be correct.

Date June 1, 1978 Signed Struthers Wells by [Signature]
(Manufacturer) Corp. (Authorized Representative)

Our Certificate of Authorization No. 10678 to use the (A) or (S) S Symbol expires
April 6, 19 80.

CERTIFICATE OF SHOP INSPECTION

BOILER MADE BY Struthers Wells Corporation at Warren, Pennsylvania

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Hartford, Connecticut and employed by Hartford Stm. Boil. Insp. & Ins. Co of Hartford, Connecticut have inspected parts of this boiler referred to as data items _____ and have examined Manufacturer's Partial Data Reports for items _____

and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date April 2, 1978 Commissions 715 3760 N Pa 1710
[Signature] Inspector Nat'l Board, State, Province and No.

CERTIFICATE OF COMPLIANCE

We certify that the field assembly of all parts of this boiler conforms with the requirements of SECTION I of the ASME BOILER AND PRESSURE VESSEL CODE.

Date _____ Signed _____ By _____
(Assembler) (Representative)

Our Certificate of Authorization No. _____ to use the (A) or (S) _____ Symbol expires
 _____ 19 _____

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of _____ and employed by _____ of _____ have compared the statements in this Manufacturer's Data Report with the described boiler and state that the parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief the manufacturer and/or the assembler has constructed and assembled this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of _____ psi.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date _____ Commissions _____
 _____ Inspector Nat'l Board, State, Province and No.