

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8695-20409-20406 NA 131D00740 Rev1 6710 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.31" NA 57.31" 152.00"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.25"	NA	52.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.25"	NA	52.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long, 45 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~press.~~, or ~~vacuum~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Inlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.38"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-25-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 2/25 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

2/25/99 Signed [Signature] Commissions NB 10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8694-20408-20407 NA 131D00740 Rev1 6709 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.31" NA 57.31" 152.00"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.25"	NA	52.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.25"	NA	52.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long, 45 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~proof~~, or ~~burst~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

"	Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
	Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	SA 278 CL.40	1.38"	NA	Integral	Thru Crown
	Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/31 2000.

Date 2-25-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 2/25 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

I 2/25/99 Signed [Signature] Commissions NB 19961A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8686-20327-20363 NA 131D00733 Rev2 6708 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-25-99 Co. Name GL&V / SANDY HILL INC. Signed J. Pauli
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/25 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

2/25/99 Signed [Signature] Commissions AB10961A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
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1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8688-20329-20354 NA 131D00733 Rev2 6707 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-25-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/25 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

L 2/25/99 Signed [Signature] Commissions NB10961 A NY5 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8684-20339-20368 NA 131D00733 Rev2 6706 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~proof~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Net/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 8/30 2000.

Date 2-25-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/25 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

L 2/25/99 Signed [Signature] Commissions NB10961 A NY5 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

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As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8680-20346-20377 NA 131D00733 Rev2 6705 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~flame~~, or ~~vacuum~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UC1-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 2/23 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

2/23/99 Signed [Signature] Commissions NB 10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8685-20333-20353 NA 131D00733 Rev2 6704 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~static~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 2000.

Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 2/23 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

L 2/23/99 Signed [Signature] Commissions NB10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8682-20343-20365 NA 131D00733 Rev2 6703 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None
(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed J. Patel
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

C 2/23/99 Signed Matthew Commissions NB10961 A NY55054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8681-20330-20375 NA 131D00733 Rev2 6702 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~static~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose Outlet, Drain	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed J. Paul
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 2/23 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

Signature 2/23/99 Signed [Signature] Commissions NB 10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8676-20344-20378 NA 131D00733 Rev2 6701 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~thermo~~, or ~~combustion~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125. Over pressure protection provided else where in system. Impact exemptions, SA 278

UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE			
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. <u>792</u> expires <u>2000</u>			
Date <u>2-23-99</u>	Co. Name <u>GL&V / SANDY HILL INC.</u>	Signed <u>[Signature]</u>	(Representative)

CERTIFICATE OF SHOP INSPECTION			
Vessel constructed by <u>GL&V / SANDY HILL INC.</u> at <u>HUDSON FALLS, NEW YORK 12839</u>			
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>N.Y.</u> and employed by <u>HSB I&I Co.</u> <u>Hartford, CT.</u> have inspected the component described in this Manufacturer's Data Report on <u>2/23</u> <u>1999</u> and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.			
C <u>2/23/99</u>	Signed <u>[Signature]</u>	Commissions <u>NB 10961 A</u> <u>NYS 5054</u>	(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8677-20338-20374 NA 131D00733 Rev2 6700 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1
1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~flue~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Inlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125. Over pressure protection provided else where in system. Impact exemptions, SA 278
UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-23-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/23 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

Signed [Signature] 2/23/99 Commissions NB1096 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8671-20326-20369 NA 131D00733 Rev2 6699 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
to 1997 NA NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (')	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. <u>792</u> expires <u>3/30</u> <u>2000</u> .	
Date <u>2-18-99</u> Co. Name <u>GL&V / SANDY HILL INC.</u> Signed <u>[Signature]</u>	(Manufacturer) (Representative)
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>GL&V / SANDY HILL INC.</u> at <u>HUDSON FALLS, NEW YORK 12839</u>	
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>N.Y.</u> and employed by <u>HSB I&I Co.</u> <u>Hartford, CT.</u> have inspected the component described in this Manufacturer's Data Report on <u>2/18</u> <u>1999</u> and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.	
D <u>2/18/99</u> Signed <u>[Signature]</u> Commissions <u>NB10961 A</u> <u>NYS 5054</u>	(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8674-20345-20469 NA 131D00733 Rev2 6698 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (')	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None
(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 8/30 2000.

Date 2-18-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 2/18 1998 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

2/18/99 Signed [Signature] Commissions NB10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8673-20336-20376 NA 131D00733 Rev2 6697 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

"	Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
	Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
	Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
	Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE			
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. <u>792</u> expires <u>3/30</u> <u>2000</u> .			
Date <u>2-18-99</u>	Co. Name <u>GL&V / SANDY HILL INC.</u>	Signed <u>[Signature]</u>	(Representative)
(Manufacturer)			
CERTIFICATE OF SHOP INSPECTION			
Vessel constructed by <u>GL&V / SANDY HILL INC.</u> at <u>HUDSON FALLS, NEW YORK 12839</u>			
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>N.Y.</u> and employed by <u>HSB I&I Co.</u> <u>Hartford, CT.</u> have inspected the component described in this Manufacturer's Data Report on <u>2/18</u> <u>1999</u> and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.			
Signed <u>[Signature]</u> <u>2/18/99</u>		Commissions <u>NB 10961 A</u> <u>NYS 5054</u>	
(Authorized Inspector)		(Nat'l Board (incl. endorsements) State, Prov. and No.)	

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8675-20332-20468 NA 131D00733 Rev2 6696 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UCI-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 2-18-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 2/18 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

2/18/99 Signed [Signature] Commissions NB 10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8672-20342-20372 NA 131D00733 Rev2 6678 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~pressure~~, or ~~vacuum~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None
(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 1-28-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB J&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 1/28 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

C 1/28/99 Signed [Signature] Commissions NB 10961 A NY 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8666-20347-20361 NA 131D00733 Rev2 6677 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA278 CL.40 (b) Matl. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
 Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~proof~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Drain	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 8/30 2000.

Date 1-28-99 Co. Name GL&V / SANDY HILL INC. Signed J. P. [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 1/28 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

D. 1/28/99 Signed [Signature] Commissions NB 10961 A NY 5554
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8664-20466-20362 NA 131D00733 Rev2 6676 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1
to 1997 NA NA 1995
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (')	Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet		1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway		1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain		1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. <u>792</u> expires <u>3/99</u> <u>2000</u> .	
Date <u>1-28-99</u> Co. Name <u>GL&V / SANDY HILL INC.</u>	Signed <u>[Signature]</u> (Representative)

CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>GL&V / SANDY HILL INC.</u> at <u>HUDSON FALLS, NEW YORK 12839</u>	
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>N.Y.</u> and employed by <u>HSB I&I Co.</u> <u>Hartford, CT.</u> have inspected	
the component described in this Manufacturer's Data Report on <u>1/28</u> <u>1999</u> and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.	
C <u>1/28/99</u> Signed <u>[Signature]</u> (Authorized Inspector)	Commissions <u>NB10961 A</u> <u>NYS 5054</u> (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8669-20348-20359 NA 131D00733 Rev2 6675 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~other~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Outlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UCI-1&23. Bolting. fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE			
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. <u>792</u> expires <u>3/30</u> <u>2000</u> .			
Date <u>1-26-99</u>	Co. Name <u>GL&V / SANDY HILL INC.</u>	Signed <u>[Signature]</u>	(Representative)
(Manufacturer)			
CERTIFICATE OF SHOP INSPECTION			
Vessel constructed by <u>GL&V / SANDY HILL INC.</u> at <u>HUDSON FALLS, NEW YORK 12839</u>			
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>N.Y.</u> and employed by <u>HSB I&I Co.</u> <u>Hartford, CT.</u> have inspected			
the component described in this Manufacturer's Data Report on <u>1/26</u> <u>1999</u> and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.			
<u>1/26/99</u>	Signed <u>[Signature]</u>	Commissions <u>NB 10961 A NYS 5054</u>	(Nat'l Board (incl. endorsements) State, Prov. and No.)
(Authorized Inspector)			

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8670-20340-20358 NA 131D00733 Rev2 6674 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~static~~, or ~~dynamic~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Inlet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 1-26-99 Co. Name GL&V / SANDY HILL INC. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

I 1/26/99 Signed [Signature] Commissions NB 10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8663-20350-20373 NA 131D00733 Rev2 6673 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings) SA-193-B7, 1.00"-8 x 3.75" long 36 each end.
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~flame~~, or ~~combustion~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
et/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None
(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278
UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.
GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 9/30 2000.

Date 1-26-99 Co. Name GL&V / SANDY HILL INC. Signed J. Paley
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

D 1/26/99 Signed [Signature] Commissions NB 12961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8665-20351-20356 NA 131D00733 Rev2 6672 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~proof~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Net/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UC1-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/20 2000.

Date 1-26-99 Co. Name GL&V / SANDY HILL INC. Signed J. Paul
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

1/26/99 Signed [Signature] Commissions NB 10961 A NVS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8668-20335-20366 NA 131D00733 Rev2 6671 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~proof~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 1-26-99 Co. Name GL&V / SANDY HILL INC. Signed J. Philif
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected

the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

1/26/99 Signed [Signature] Commissions 1310961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8667-20349-20357 NA 131D00733 Rev 2 6670 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~static~~, or ~~other~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Jet/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfr's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 1-26-99 Co. Name GL&V / SANDY HILL INC. Signed J. Paul
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

1/26/99 Signed [Signature] Commissions NB12961A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by GL&V / SANDY HILL INC., 27 ALLEN STREET, HUDSON FALLS, NEW YORK 12839
(Name and address of manufacturer)

2. Manufactured for Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address of purchaser)

3. Location of installation Wausau Paper Mills Co., Brokaw Div., Second St., Brokaw, WI 54417
(Name and address)

4. Type Horizontal 8662-20467-20367 NA 131D00733 Rev 2 6669 1999
(Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

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 VIII, Division 1 1995
Year

to 1997 NA NA
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA 278 CL. 40 1.00" NA 45.86" 151.50"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Seamless NA 100 NA NA Seamless NA 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA278 CL.40 (b) Mat'l. SA278 CL.40
(Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex
(b)	End	2.12"	NA	38.00"	NA	NA	NA	NA	NA	Convex

If removable, bolts used (describe other fastenings)

SA-193-B7, 1.00"-8 x 3.75" long 36 each end.

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 150 psi at max. temp. 450 ° F
Min. design metal temp. 32 ° F at 0 psi. Hydro., ~~proof~~, or ~~comb~~ test pressure 300 psi.

10. Nozzles, inspection and safety valve openings:

Purpose ('	Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
et/Outlet	1	3.50"	Core	SA 278 CL.40	NA	NA	Integral	Thru Journal	
Manway	1	10" x 16"	Core	SA 278 CL.40	1.25"	NA	Integral	Thru Crown	
Drain	1	.75"	NPT	NA	NA	NA	Drilled	Thru Flange	

11. Supports: Skirt No Lugs NA Legs NA Other NA Attached See Remarks
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report:
None

(Name of part, item number, Mfg's name and identifying stamp)

UG125, Over pressure protection provided else where in system. Impact exemptions, SA 278

UCI-1&23. Bolting, fig. UCS-66(e). Inner Manway or handhole covers Per UG11(a)(1), UCS-66.

GL&V / SANDY HILL INC., Job #C981622

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 792 expires 3/30 2000.

Date 1-26-99 Co. Name GL&V / SANDY HILL INC. Signed J. Phelan
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GL&V / SANDY HILL INC. at HUDSON FALLS, NEW YORK 12839
I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of N.Y. and employed by HSB I&I Co. Hartford, CT. have inspected the component described in this Manufacturer's Data Report on 1/26 1999 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel 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.

L 1/26/99 Signed [Signature] Commissions NB 10961 A NYS 5054
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)