

ATTACHMENT

**BOILER INSPECTION REPORTS
AF1222**

**FORT CAMPBELL VISIT NO. 1
OCTOBER 20-24, 2003**

NOVEMBER 19, 2003

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>Bldg. 98</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1981</i>	12B. YEAR INSTALLED <i>1981</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Setters</i>	16. MANUFACTURER'S RATING MBTU / BS. / HR <i>1,674 MBH 40 HP</i>	17. NATIONAL BOARD NUMBER <i>NBS399</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*VERY HEAVY SCALE ACCUMULATION IN BOTTOM OF BOILER
EVIDENCE OF LONG TERM LEAKAGE OF REAR HAND HOLE GASKET HAS CAUSED SEVERE DETERIORATION OF THE REAR TUBESHEET.
CONTROL PIPING PARTIALLY OBSTRUCTED*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
*PRESSURE GAGE READS 5 PSI WITH BOILER IDLE.
REAR DOOR AND OUTER CASING DETERIORATED*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

CORROSION ON SUPPORT LEGS

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4445</i>	34. CONDITION AND HOW TESTED <i>USUALLY POOR, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SHOWS 5 PSI WITH BOILER OPEN & IDLE</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>HEAVY SCALE & OXYGEN IN LWCO FLOAT CHAMBER</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. This boiler is NOT SAFE for continued operation. The deteriorated condition of the REAR TUBESHEET AND HAND HOLE MAKES THIS boiler INOPERABLE UNTIL THE TUBESHEET HAS BEEN REPAIRED IAW the NBIC.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

ANDY NICHOLS

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270)-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE
HSBCT CONTRACT NUMBER	
2. INSTALLATION <i>FT. CAMPBELL</i>	2A. CITY
3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
5. PLANT OR BLDG. <i>Bldg 98</i>	
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>
8. DELIVERY ORDER NO.	9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>0</i>
12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,185 MBH</i>
17. NATIONAL BOARD NUMBER <i>NB 16989</i>	18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>
22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*HEAVY SCALE ACCUMULATION OF SCALE HAS BRIDGED BETWEEN THE FURNACE TUBE AND BOILER SHELL.
 HEAVY SOOT ON ALL PIPESIDE SURFACES*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
*REAR AND LEFT SIDE HANDHOLE PLUG GASKETS ARE LEAKING AND CAUSING EXTERNAL CORROSION.
 LWCO CONTROL PIPING PARTIALLY OBSTRUCTED*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
APPEARS SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3,854</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler idle</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>VISUALLY SAT. NOT TESTED, BOILER IDLE</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) HEAVY SCALE ACCUMULATION OF THIS DEGREE CAN REDUCE CIRCULATION AND CAUSE OVERHEATING OF THE FURNACE TUBE. THIS BOILER SHOULD BE THOROUGHLY CLEANED TO REMOVE SCALE AND SOOT.

PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN.

ALL HANDHOLE GASKETS SHOULD BE CHANGED EACH TIME THE BOILER IS PREPARED FOR INSPECTION.

CONTROL PIPING CLEAN OUT PLUGS SHOULD BE REMOVED AND PIPING CLEARED AT LEAST ANNUALLY.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>F.F. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>D-650</i>
6. DATE OF INSPECTION <i>10/22/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1978</i>	12B. YEAR INSTALLED <i>1998</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>Oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>			
15. MANUFACTURER <i>TRANE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>1597 5g/HR</i>	17. NATIONAL BOARD NUMBER <i>A13492</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Aux Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>145/150</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse conditions noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>19,363</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler idle</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually Good, not tested, boiler idle</i>		
41. ASME CODES Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input type="checkbox"/> No (Explain)			

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

John Wilson Foreman

49. SIGNATURE OF OFFICER IN CHARGE

John Wilson

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION							
		Internal and External	<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA					
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>		4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>D-650</i>	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned							
				11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1978</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>							
				15. MANUFACTURER <i>TRANE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>1,599 5/8/84</i>		17. NATIONAL BOARD NUMBER <i>NB491</i>	
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)									
		20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>145/145</i>		22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair									

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse conditions noted.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse conditions noted.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>19,363</i>	34. CONDITION AND HOW TESTED <i>Not tested, b/c. Idle</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usurary Good, NOT tested, boiler Idle</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

John Wilson Foreman

49. SIGNATURE OF OFFICER IN CHARGE

John Wilson

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>DC50</i>
6. DATE OF INSPECTION <i>10/22/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>50</i>	12A. YEAR BUILT <i>1978</i>	12B. YEAR INSTALLED <i>1978</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>		
15. MANUFACTURER <i>TRANE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>1,597 52/HR</i>	17. NATIONAL BOARD NUMBER <i>NB 490</i>	18. USAF NUMBER <i>#3</i>	
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>145/150</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)
Replaced safety valves

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No adverse conditions noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE <i>Number 2-1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>19,363</i>	34. CONDITION AND HOW TESTED <i>Test sat. by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & Fire-eye test SAT</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

10/22/03

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

John Wilson Foreman

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

John Wilson

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>Bldg. 858</i>
6. DATE OF INSPECTION <i>10/22/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>86</i>	11B. PRESSURE THIS INSPECTION <i>90</i>	12A. YEAR BUILT <i>1986</i>	12B. YEAR INSTALLED <i>1986</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Kewanee</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>14,645 MBH 350 HP</i>	17. NATIONAL BOARD NUMBER <i>NB39686</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Auro Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>150</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
Type "C" inspection

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Appear SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>16,964</i>	34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO failed to put the boiler into lockout</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)
ASME CSD-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Controls

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 998 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

Judson
39686

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/22/03</i>		7. DATE OF LAST INSPECTION <i>10/10/02</i>		4. ZIP CODE <i>40475</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>858</i>
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
12A. YEAR BUILT <i>1986</i>		12B. YEAR INSTALLED <i>1986</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>Kewanee</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>11,716 MBH 350 Hp</i>		17. NATIONAL BOARD NUMBER <i>NIB39687</i>
18. USAF NUMBER <i>#2</i>		19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>150</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No		27. DATE:		28. PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)
Replaced 3 Tubes 2002

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2" 1-1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>18,310</i>	34. CONDITION AND HOW TESTED <i>Not tested, Bldg. Idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Not tested, boiler Idle</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chris Boilers Controls

46A. SIGNATURE

Roger P. Chris

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

290 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

J. Anderson
39687

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External			<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)			<input type="checkbox"/> BB	<input type="checkbox"/> VB
External Under Operation			<input type="checkbox"/> BC	<input type="checkbox"/> VC
External Under Hydrostatic Test			<input type="checkbox"/> BD	<input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT			<input type="checkbox"/> BE	<input type="checkbox"/> VE
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>FT. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/21/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		4. ZIP CODE <i>40475</i>
		8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>3213</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1984</i>
				12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>KOWANEE</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>H5=500 59/ft 100 MP</i>		17. NATIONAL BOARD NUMBER <i>NIB38570</i>
				18. USAF NUMBER <i>#1</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*HEAVY ACCUMULATION OF SCALE IN BOTTOM OF BOILER WITH BRIDGING BETWEEN THE FURNACE TUBE AND BOILER SHELL.
INDICATION OF TUBE LEAKAGE ON BOTH TUBESHEETS
HEAVY CORROSION ON TUBES UNDER SCALE*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

APPEAR SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5509</i>	34. CONDITION AND HOW TESTED <i>Usually SAT, not tested</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT. Not tested, b/c. Idle</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *HEAVY SCALE ACCUMULATION OF THIS DEGREE CAN REDUCE CIRCULATION AND CAUSE OVERHEATING OF THE FURNACE TUBE. THE BOILER SHOULD BE THOROUGHLY CLEANED TO REMOVE THIS SCALE BUILD UP. PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN. THE BOILER SHOULD BE HYDROSTATICALLY TESTED FOR LEAKAGE. ANY LEAKS MUST BE REPAIRED IAW THE NBIC.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>K. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3213</i>
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8. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.
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10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
---	---

11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>H5=500 5g/1ft 100 HP</i>	17. NATIONAL BOARD NUMBER <i>NB 38582</i>	18. USAF NUMBER <i>#2</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---	---------------------------------	---

24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
both tubesheets. HEAVY fireside deposits with indication of leakage at Very Heavy accumulation of scale in bottom of boiler with bridging between the furnace tube & boiler shell

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Appear SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5509</i>	34. CONDITION AND HOW TESTED <i>Usually SAT. Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Operate</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Scale and oxygen contamination in LWCA</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *HEAVY SCALE ACCUMULATION OF THIS DEGREE CAN REDUCE CIRCULATION AND CAUSE OVERHEATING OF THE FURNACE TUBE. THE BOILER SHOULD BE THOROUGHLY CLEANED TO REMOVE THE SCALE BUILD-UP. PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN. THE BOILER SHOULD BE HYDROSTATICALLY TESTED FOR LEAKAGE. ANY LEAKS MUST BE REPAIRED IAW THE NBIC.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

105

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER		2A. CITY	3. STATE	4. ZIP CODE
2. INSTALLATION <i>F. Campbell</i>			<i>KY</i>	<i>40475</i>
5. PLANT OR BLDG. <i>3213</i>		6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.
9. CONTRACT NO.		10. OBJECT		
<input checked="" type="checkbox"/> Fire Tube		<input type="checkbox"/> Cast Iron		
<input type="checkbox"/> Water Tube		<input type="checkbox"/> Expansion Tank		
<input type="checkbox"/> Pressure Vessel		11. PLANT		
<input type="checkbox"/> Manned		<input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>22</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>H5=500 5g/ft 100 MP</i>	17. NATIONAL BOARD NUMBER <i>NB38577</i>	18. USAF NUMBER <i>#3</i>	
19. USE				
<input type="checkbox"/> Power				
<input checked="" type="checkbox"/> Steam Heating				
<input type="checkbox"/> Process				
<input type="checkbox"/> Storage				
<input type="checkbox"/> HTHW Heating				
<input type="checkbox"/> Heat Exchange				
<input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
24. PURPOSE OF HYDROSTATIC TEST		25. LAST HYDROSTATIC TEST		26. HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		Date: PSI:		<input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

APPEAR SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5,509</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY TRANS</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>TEST OF LUBCO FAILED TO PUT THE BOILER INTO LOCKOUT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSB-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

10/21/03

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

Andy Nichols

10/22/03

270-998-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION		
		Internal and External	<input type="checkbox"/> BA	<input type="checkbox"/> VA
2. INSTALLATION		2A. CITY	3. STATE	4. ZIP CODE
Ft. Campbell			KY	40475
6. DATE OF INSPECTION		7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.	9. CONTRACT NO.
10/22/02				3214
10. OBJECT			11. PLANT	
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION	12A. YEAR BUILT	12B. YEAR INSTALLED	
	38	1985	1985	
13A. PRIMARY FUEL (Boiler)	13B. SECONDARY FUEL (Boiler)	14. DESIGN WORKING PRESSURE OR TEMPERATURE		
NAT. GAS	N/A			
15. MANUFACTURER	16. MANUFACTURER'S RATING MBTU / LBS. / HR	17. NATIONAL BOARD NUMBER	18. USAF NUMBER	
BURNHAM	15=500 sg/hr 100 HP	NB15682	#1	
19. USE				
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers)	21. SAFETY/RELIEF VALVES SETTING	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED
AUTO BURNER	50			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST	25. LAST HYDROSTATIC TEST	26. HYDROSTATIC TEST		
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	Date: PSI:	<input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/2, 1-1/4	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 4,311	34. CONDITION AND HOW TESTED TEST SAT BY BRAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) Good		
37. OTHER APPLIANCES	38. CONDITION CLEAR & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO failed to put the boiler into Lockout		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LUKO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
		4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>3214</i>
6. DATE OF INSPECTION <i>10/31/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		8. DELIVERY ORDER NO.
				9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1985</i>
				12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>Burnham</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>HS-500 5g/ft 100 Hp</i>		17. NATIONAL BOARD NUMBER <i>NB 15683</i>
				18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
BURNER FILES LOOSE

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,311</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>Good</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually Good</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) ONE OF THE BURNER TILES IS LOOSE AND ABOUT TO FALL. THIS COULD CAUSE FLAME IMPINGEMENT AND LOCALIZED OVERHEATING ON THE FURNACE TUBE. A CASTABLE REFRACTORY MIX OR THIN SET MORTAR CAN BE USED TO RE-SET THE LOOSE TILE.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Fr. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3214</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>32</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>15-500 58/4 100HP</i>	17. NATIONAL BOARD NUMBER <i>NB 15677</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)
REPLACED BURNER T/E 2002

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
NO ADVERSE CONDITIONS NOTED

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,311</i>	34. CONDITION AND HOW TESTED <i>Not tested, b/c idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clear & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUALLY SAT, NOT TESTED</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>F. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>3902</i>		
6. DATE OF INSPECTION <i>10/22/03</i>		7. DATE OF LAST INSPECTION <i>10/10/02</i>		8. DELIVERY ORDER NO.
9. CONTRACT NO.				
10. OBJECT				
<input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11A. PRESSURE PREVIOUS INSPECTION <i>82</i>		11B. PRESSURE THIS INSPECTION <i>86</i>		12A. YEAR BUILT <i>1976</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		12B. YEAR INSTALLED <i>1976</i>
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>		15. MANUFACTURER <i>NEBRASKA</i>		
16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>15,000 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NIB 1709</i>		18. USAF NUMBER <i>#1</i>
19. USE				
<input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>115/120</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
24. PURPOSE OF HYDROSTATIC TEST		25. LAST HYDROSTATIC TEST		26. HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		Date: PSI:		<input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

FIREBOX FRONT AND REAR SEALS FALLING AWAY

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES		32. SIZE Number. <i>2-2"</i>		33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>22,545</i>		34. CONDITION AND HOW TESTED <i>TEST SAT. BY HAND</i>	
35. PRESSURE GAGES		36. CORRECTION TAKEN (if none give reason) <i>SAT</i>					
37. OTHER APPLIANCES		38. CONDITION <i>CLEAN & CLEAR</i>					
39. REGULATORS AND CONTROLS		40. CONDITION <i>LWCU AND FIRE-EYE TEST SAT</i>					
41. ASME CODES							

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

Replace fiber seats at front & rear walls.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

10/22/03

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler controls

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

Roger P Chism

10/22/03

290 998 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

[Signature]

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ed. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
		4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>3902</i>
6. DATE OF INSPECTION <i>10/22/03</i>		7. DATE OF LAST INSPECTION <i>10/10/02</i>		8. DELIVERY ORDER NO.
9. CONTRACT NO.				
10. OBJECT				
<input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT <input checked="" type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1976</i>
				12B. YEAR INSTALLED <i>1976</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>
15. MANUFACTURER <i>NEBRASKA</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>50,000 / 6/hr</i>		17. NATIONAL BOARD NUMBER <i>NB 1706</i>
				18. USAF NUMBER <i>#5</i>
19. USE				
<input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>115/120</i>		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

FRONT AND REAR FIREBOX SEATS FALLING AWAY.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>55,954</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT, Not tested, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

Replace fiber firebox seats on front and rear walls.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler Control

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

290 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

[Signature]

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>3902</i>
6. DATE OF INSPECTION <i>10/22/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input checked="" type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input checked="" type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1976</i>	12B. YEAR INSTALLED <i>1976</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>200</i>			
15. MANUFACTURER <i>Nebraska</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>50,000 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB 1707</i>	18. USAF NUMBER <i>#3</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>115/120</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	28. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:			

Deletio R. D. P.
Plant is Manned
10/22/03

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
FRONT WALL REFRACTORY BOWED INWARD. BURNER REFRACTORY FALLING AWAY. FIREBOX SEALS FALLING AWAY.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>55954</i>	34. CONDITION AND HOW TESTED <i>Not tested, B1R. Idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT. Not tested, boiler IDLE</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

Bowed front wall indicates failure of anchors, this condition should be monitored until the next scheduled outage, then repaired.
Replace fiber firebox seals on front and rear walls.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Control

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

290 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

[Signature]

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External	<input type="checkbox"/> BA	<input type="checkbox"/> VA	
2. INSTALLATION <i>St. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>5207</i>
6. DATE OF INSPECTION <i>20 Oct. 2003</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>50</i>	11B. PRESSURE THIS INSPECTION <i>37</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>70 HP 2,343 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB38467</i>	18. USAF NUMBER <i>#1</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO MANUAL RESET ON 2ND LWCO

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,625</i>	34. CONDITION AND HOW TESTED <i>SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>MANUAL RESET ON LWCO disabled</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. ASME CSD-1 REQUIRES A MANUAL RESET ON THE LOW WATER FUEL CUT-OUT DEVICE. THIS IMPORTANT SAFETY FEATURE MUST NOT BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Fr. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>5307</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT
 Fire Tube Cast Iron Water Tube Expansion Tank Pressure Vessel
 11. PLANT
 Manned Unmanned

11A. PRESSURE PREVIOUS INSPECTION <i>50</i>	11B. PRESSURE THIS INSPECTION <i>37</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>Nat. Gas</i>	13B. SECONDARY FUEL (Boiler)	14. DESIGN WORKING PRESSURE OR TEMPERATURE
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15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>70HP 2,343</i>	17. NATIONAL BOARD NUMBER <i>NB 39366</i>	18. USAF NUMBER <i>#2</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers)	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
APPEAR SOLID

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,625</i>	34. CONDITION AND HOW TESTED <i>SAT. by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>MANUAL RESET DISABLED</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NIB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>5210</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/25/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>26</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>	
13A. PRIMARY FUEL (Boiler) <i>ALAT GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU/LBS./HR <i>70HP 2,343 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB39308</i>	18. USAF NUMBER <i>#1</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *INDICATION OF OXYGEN CONTAMINATION IN THE FORM OF Blisters ON TOP ROW OF TUBES.*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *No Adverse Conditions Noted*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3,846</i>	34. CONDITION AND HOW TESTED <i>Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>Boiler Idle</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>SAT</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. PROPER CHEMICAL TREATMENT AND BLOWDOWN MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

4

HSBCT CONTRACT NUMBER

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>F.A. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>5210</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT
 Fire Tube Cast Iron Water Tube Expansion Tank Pressure Vessel

11. PLANT
 Manned Unmanned

11A. PRESSURE PREVIOUS INSPECTION <i>36</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>2511 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB 16165</i>	18. USAF NUMBER <i>#2</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
1 tube plugged, indication of at least 1 tube leaking, very heavy corrosion on fireside.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3872</i>	34. CONDITION AND HOW TESTED <i>B/R. Idle, not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>Boiler Idle</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>indication of oxygen inside Lusco float chamber</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

The firesides of this boiler should be thoroughly cleaned and vacuumed. A 100% hydrostatic pressure test should be applied. Any leaks must be repaired IAW the NBIC

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER		2A. CITY	3. STATE	4. ZIP CODE	5. PLANT OR BLDG.
			KY	40475	6256
2. INSTALLATION	6. DATE OF INSPECTION		7. DATE OF LAST INSPECTION		8. DELIVERY ORDER NO.
Kt. Campbell	10/30/03		10/22/02		
10. OBJECT		11. PLANT			
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION	12A. YEAR BUILT	12B. YEAR INSTALLED		
	30	1985	1985		
13A. PRIMARY FUEL (Boiler)	13B. SECONDARY FUEL (Boiler)	14. DESIGN WORKING PRESSURE OR TEMPERATURE			
NAT. GAS	N/A	150			
15. MANUFACTURER	16. MANUFACTURER'S RATING MBTU / A.B.S. / HR	17. NATIONAL BOARD NUMBER	18. USAF NUMBER		
Cleaver Brooks	1,255 MBH	NB 60018	# 1		
19. USE					
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers)		21. SAFETY/RELIEF VALVES SETTING		22. EXPLAIN IF PRESSURE CHANGED	
Auto Burner		50			
23. PRESSURE GAGE TESTED		24. PURPOSE OF HYDROSTATIC TEST			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair			
25. LAST HYDROSTATIC TEST		26. HYDROSTATIC TEST			
Date: PSI:		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

Type "C" inspection

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

CONDENSATE INLET VALVE LEAKING AND CORRODED.
 OUTER CASING LOOSE AND HANGING.
 HEAVY CORROSION ON RIGHT SUPPORT LEG.
 Attempted to test LWCO using blowdown, blowdown piping obstructed.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Right front support leg corroded

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 1,503	34. CONDITION AND HOW TESTED Test SAT by hand
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION NO MANUAL RESET ON LWCO		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. This boiler should be removed from service and thoroughly cleaned internally. The blowdown piping must be cleared of obstruction.
2. The condensate/feed inlet valve must be replaced
3. Deteriorated areas of the outer casing should be cut away, the boiler shell preserved and new insulation and sheet metal installed.
4. ASME CSD-1 requires a manual reset on the LWCO. Safety devices must never be disabled.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

10/20/03

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

Andy Nichols

10-21-03

(278) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

George J. Schaffer

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER

1: TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

2. INSTALLATION <i>F. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6726</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION <i>150</i>	11B. PRESSURE THIS INSPECTION <i>38</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU./LBS./HR <i>100HP 4,185 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB 15679</i>	18. USAF NUMBER <i>#1</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
1st Safety Valve shows indication of leakage

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>3,340</i>	34. CONDITION AND HOW TESTED <i>Test SAT by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>MANUAL RESET ON LUPCD disabled</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. THE 1ST SAFETY VALVE SHOWS EVIDENCE OF LEAKAGE DURING OPERATION. THE INDUSTRY STANDARD FOR REPLACING SAFETY VALVES IS EVERY 2 YEARS.
2. ASME CSD-1 REQUIRES A MANUAL RESET ON THE LUCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>F. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6726</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION <i>26</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>Burakham</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>100 HP 4,185 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB 15680</i>	18. USAF NUMBER <i>#2</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION <input type="checkbox"/> None <input type="checkbox"/> Other (Specify)
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INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *No Adverse Conditions Noted*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *No Adverse Conditions Noted*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>14,140</i>	34. CONDITION AND HOW TESTED <i>Blk Idle, Not Tested</i>
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35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>Blk. Idle</i>
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37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>
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39. REGULATORS AND CONTROLS	40. CONDITION <i>MANUAL RESET disabled</i>
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41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NR 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Ft. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6726</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
---	---

11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>38</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>100HP 4,185 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB 15678</i>	18. USAF NUMBER <i>#3</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---	---------------------------------	---

24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
---	--	---

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
1st SAFETY VALVE APPEARS TO HAVE BEEN LEAKING DURING OPERATION - REPLACE

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>14,140</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO MANUAL RESET DISABLED</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. THE 1ST SAFETY VALVE SHOWS EVIDENCE OF LEAKAGE DURING OPERATION. THIS SAFETY VALVE SHOULD BE REPLACED WITH AN ASME APPROVED VALVE OF THE SAME SIZE AND CAPACITY.
2. ASME UCS-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

21311658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/20/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>		4. ZIP CODE <i>40475</i>
		8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>6732</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>38</i>		12A. YEAR BUILT <i>1985</i>
				12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>Burnham</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>3,450 16/HR 100 HP</i>		17. NATIONAL BOARD NUMBER <i>NB 15686</i>
				18. USAF NUMBER <i>#1</i>
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,170 B/HR</i>	34. CONDITION AND HOW TESTED <i>TEST SAT by HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LUCO, FLAME SENSOR TEST SAT. MANUAL RESET DISABLED</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LUXO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Ered LAWRENCE

45A. SIGNATURE OF INSPECTOR

Ered Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER

Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>F. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
		4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>6732</i>
6. DATE OF INSPECTION <i>10/20/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>		8. DELIVERY ORDER NO.
9. CONTRACT NO.				
10. OBJECT				
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel 11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>35</i>		12A. YEAR BUILT <i>1985</i>
				12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3,450 16/hr 100 HP</i>		17. NATIONAL BOARD NUMBER <i>NB 15687</i>
				18. USAF NUMBER <i>#2</i>
19. USE				
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Aura Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,170</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & FLAME SENSOR TEST SAT. MANUAL RESET DISABLED.</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>R. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6732</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	8. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION <i>38</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LB. / HR <i>3,450 16/hr 100 HP</i>	17. NATIONAL BOARD NUMBER <i>NB 15688</i>	18. USAF NUMBER <i>#3</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION <input type="checkbox"/> None <input type="checkbox"/> Other (Specify)
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INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *No Adverse Conditions Noted*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *No Adverse Conditions Noted*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4170</i>	34. CONDITION AND HOW TESTED <i>Blr. Idle Not Tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>ADJUSTS SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>INDICATION OF OXYGEN CONTAMINATION IN LIQUID FLOAT CHAMBER</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER

Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Ft. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6801</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>5</i>	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>INDUSTRIAL</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>207016/Hr</i>	17. NATIONAL BOARD NUMBER <i>NB3362</i>	18. USAF NUMBER <i>#1</i>	

19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*HEAVY SCALE ON DRUM AND TUBE SURFACES
 CONTROL PIPING PARTIALLY OBSTRUCTED.*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
*HEAVY CORROSION ON SHELL AND AREA AROUND RIGHT FRONT SUPPORT LEG.
 OUTER CASING DETERIORATED AND HANGING LOOSE
 GAS REGULATOR VENT NOT IAW CSB-1*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Corroded support leg

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4260</i>	34. CONDITION AND HOW TESTED <i>Blk. Idle, not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>APPEARS SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>No MANUAL RESET installed on LWCO</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. LOOSE SCALE MUST BE FLUSHED OUT TO ALLOW PROPER CIRCULATION AND PREVENT OVERHEATING.
2. CONTROL PIPING MUST BE CLEAR TO INSURE PROPER OPERATION OF THE LWCO.
3. PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN.
4. THE HIGH PRESSURE GAS REGULATOR MUST BE VENTED OUTSIDE THE BOILER ROOM.
5. ACTIVE CORROSION SHOULD BE REMOVED, THE SHELL PRESERVED AND OUTER CASING (SHEET METAL) REPAIRED

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>F. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/20/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>		4. ZIP CODE <i>40475</i>
		8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>6843</i>
10. OBJECT				
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT				
<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1995</i>
				12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>Cleaver Brooks</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>30 Hp 15 = 150 8 1/2</i>		17. NATIONAL BOARD NUMBER <i>NB 60048</i>
				18. USAF NUMBER <i>#1</i>
19. USE				
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

None

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

INDICATION OF ACTIVE OXYGEN CONTAMINATION IN LUGS PLAT CHAMBER

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1503</i>	34. CONDITION AND HOW TESTED <i>Blk. Idle, Not Tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>Appears SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Blk. Idle, Appears SAT</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

11311658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
6. DATE OF INSPECTION <i>10/20/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO. <i>6849</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1995</i>	12B. YEAR INSTALLED <i>1995</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>CLEVELAND BROOKS</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>HS = 350 5/14</i>	17. NATIONAL BOARD NUMBER <i>NB 59960</i>	18. USAF NUMBER <i>#1</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
Very HEAVY CORROSION AT REAR TUBESHEET WITH INDICATION OF NUMEROUS LEAKING TUBES. MODERATE SCALE BUILD-UP ON ALL INTERNAL SURFACES

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
Lower gage glass cutout valve leaking. Lower right hand hole plug shows evidence of past leakage causing corrosion of support leg. REAR DOOR AND OUTER CASING DETERIORATED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
HEAVY CORROSION ON RIGHT SUPPORT LEG.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,633</i>	34. CONDITION AND HOW TESTED <i>Rte. Idle, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>APPEARS SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>NO MANUAL RESET INSTALLED ON LWCO</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)
1. The firesides should be thoroughly cleaned and vacuumed so leaks can be detected. A 100% hydrostatic pressure test applied. Any leaks must be repaired IAW the NBIC.
 2. All handhole plugs should be removed and new gaskets installed.
 3. Proper chemical treatment and blowdowns must be administered to control scale and oxygen.
 4. The outer casing and rear door should be preserved to stop corrosion.
 5. ASME CSD-1 requires a manual reset on the LUCO.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

2.5

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ff. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/21/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>		4. ZIP CODE <i>40475</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>6929</i>
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>0</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
12A. YEAR BUILT <i>1984</i>		12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU /LBS./ HR <i>15=500 58/17 100 HP</i>		17. NATIONAL BOARD NUMBER <i>NB 38325</i>
18. USAF NUMBER <i>#1</i>		19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>SD</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		
25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse conditions noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-3"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5,495</i>	34. CONDITION AND HOW TESTED <i>USUAL SAT. Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUAL SAT. Not tested boiler Idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER

Supv. LM Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

10/23/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION				
		Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
		Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
		External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
		External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
		Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
2. INSTALLATION <i>E. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6929</i>		
6. DATE OF INSPECTION <i>10/21/05</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.		
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned			
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>34</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>			
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>				
15. MANUFACTURER <i>Kewanee</i>	16. MANUFACTURER'S RATING MBTU/LBS./HR <i>15=500 5g/1A 100 MP</i>	17. NATIONAL BOARD NUMBER <i>NB 38429</i>	18. USAF NUMBER <i>#2</i>			
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:				

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-3"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5495</i>	34. CONDITION AND HOW TESTED <i>TEST SAT. by hand</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>GAGE GLASS DIRTY</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO failed to put boiler into lockout</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)
ASME CSB-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5153

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>K. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6929</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>HS-520 58/ft. 100 Hp</i>	17. NATIONAL BOARD NUMBER <i>NB 38405</i>	18. USAF NUMBER <i>#3</i>		

19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		28. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:			

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
evidence of tube leakage at rear tubesheet.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
FEEDWATER INLET VALVE LEAKING ONTO HIGH PRESSURE GAS REGULATOR CAUSING EXTERNAL CORROSION.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-3"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>5495</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler Idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Not tested, boiler Idle</i>		

41. ASME CODES
Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *The boiler should be hydrostatically tested for leakage. Any leaks must be repaired IAW the NBIC. The feedwater inlet valve should be replaced to prevent further damage to the gas regulator.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER

Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Ft. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6936</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT
 Fire Tube Cast Iron Water Tube Expansion Tank Pressure Vessel

11. PLANT
 Manned Unmanned

11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>HS=350 Sp/HR 70 Hp</i>	17. NATIONAL BOARD NUMBER <i>NB 38117</i>	18. USAF NUMBER <i>#1</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e. scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
EVIDENCE OF TUBE LEAKAGE AT REAR TUBESHEET

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,266</i>	34. CONDITION AND HOW TESTED <i>Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>USUALLY SAT. Not tested b/c. Idle</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *The boiler should be hydrostatically tested for leakage. Any leaks must be repaired IAW the NBIC.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>H. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6936</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>36</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>HS=350 g/ft. 70 MP</i>	17. NATIONAL BOARD NUMBER <i>NB38119</i>	18. USAF NUMBER <i>#2</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
---	---	---

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>TYPE "C" INSPECTION</i>
--

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>NO ADVERSE CONDITIONS NOTED</i>

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES <i>SAT</i>

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4266</i>	34. CONDITION AND HOW TESTED <i>TEST SAT. BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO Failed to put the boiler into LOCKOUT</i>		

41. ASME CODES Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input type="checkbox"/> No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(210) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/21/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>		4. ZIP CODE <i>40475</i>
8. DELIVERY ORDER NO.			5. PLANT OR BLDG. <i>6938</i>	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>32</i>		12A. YEAR BUILT <i>1985</i>
12B. YEAR INSTALLED <i>1985</i>		13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		
13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>H5=500 59/ft. 100 MP</i>		17. NATIONAL BOARD NUMBER <i>NB 15685</i>
18. USAF NUMBER <i>#1</i>				
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No ADVERSE CONDITIONS NOTED VISUALLY, INSPECTION halted due to failure of the LOW WATER FUEL CUT-OUT DEVICE

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

APPEAR SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,238</i>	34. CONDITION AND HOW TESTED <i>Not tested</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO failed to shut the boiler down - UNSAT</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) This boiler is in an unmananled space. Test of the Low Water Fuel Cutoff device was unsatisfactory. The boiler water level was extremely slow returning to normal level. This boiler should be removed from service until the LWCO is repaired. The feedwater system should be investigated for obstruction, proper pump capacity and proper function of the non-return valve.

45. TYPE OR PRINT NAME OF INSPECTOR

Ered LAWRENCE

45A. SIGNATURE OF INSPECTOR

Ered Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/23/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>H. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6938</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	

15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR. <i>HS-500 5g/ft. 3,450 16/HR</i>	17. NATIONAL BOARD NUMBER <i>NB 15676</i>	18. USAF NUMBER <i>#2</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Appear SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR:	34. CONDITION AND HOW TESTED <i>Not tested, boiler Idle</i>
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35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>
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37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>
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39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, Not tested boiler Idle</i>
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41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

2.5

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE
HSBCT CONTRACT NUMBER	
2. INSTALLATION <i>F. Campbell</i>	2A. CITY
3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
5. PLANT OR BLDG. <i>6938</i>	
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>
8. DELIVERY ORDER NO.	9. CONTRACT NO.
10. OBJECT	
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	
11. PLANT	
<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>
12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>BURKHAM</i>	16. MANUFACTURER'S RATING MBTU/LBS. / HR <i>M5=500-58/14 3,450 16/hr</i>
17. NATIONAL BOARD NUMBER <i>NB 15675</i>	18. USAF NUMBER <i>#3</i>
19. USE	
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>
22. EXPLAIN IF PRESSURE CHANGED	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
EVIDENCE OF SEVERAL TUBES LEAKING AT REAR TUBESHEET

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
APPEAR SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR:	34. CONDITION AND HOW TESTED <i>Not tested, b/c Idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT, NOT tested, boiler Idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *The boiler should be hydrostatically tested for leakage. Any leaks must be repaired IAW the NBIC.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-22-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(278) 998-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>FF. CAMPBELL</i>		2A. CITY		3. STATE <i>KY</i>
		4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>6944</i>
6. DATE OF INSPECTION <i>10/21/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		8. DELIVERY ORDER NO.
9. CONTRACT NO.				
10. OBJECT				
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT				
<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>36</i>		12A. YEAR BUILT <i>1983</i>
				12B. YEAR INSTALLED <i>1983</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3348 MBH 100 Hp</i>		17. NATIONAL BOARD NUMBER <i>NB37395</i>
				18. USAF NUMBER <i>#1</i>
19. USE				
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

APPEAR SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,260</i>	34. CONDITION AND HOW TESTED <i>TEST SAT. BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO FAILED TO PUT THE BOILERS INTO LOCKOUT</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LULLO. SAFETY DEVICES MUST NEVER BE DISABLED

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11659

48. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

48A. SIGNATURE

Andy Nichols

48B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5253

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION.		
		Internal and External	<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA
		Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB	<input type="checkbox"/> VB
		External Under Operation	<input type="checkbox"/> BC	<input type="checkbox"/> VC
		External Under Hydrostatic Test	<input type="checkbox"/> BD	<input type="checkbox"/> VD
		Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE	<input type="checkbox"/> VE
2. INSTALLATION <i>St. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6944</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1983</i>	12B. YEAR INSTALLED <i>1983</i>	
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>Kewanee</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4185 MBH 100 HP</i>	17. NATIONAL BOARD NUMBER <i>NB 37607</i>	18. USAF NUMBER <i>#2</i>	
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
evidence of tube leakage at rear tubesheet

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Appear SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,260</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Visually SAT. Not tested, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *The boiler should be hydrostatically tested for leakage. Any leaks must be repaired LAW the NBIC.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

48. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>A. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>6944</i>
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/21/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1983</i>	12B. YEAR INSTALLED <i>1983</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,185 MBH 100 Hp</i>	17. NATIONAL BOARD NUMBER <i>NB 37516</i>	18. USAF NUMBER <i>#3</i>
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19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)

20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, pit, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) <i>No adverse conditions noted</i>
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EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) <i>No adverse conditions noted</i>

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4,260</i>	34. CONDITION AND HOW TESTED <i>Not tested, boiler idle</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT, Not tested, boiler idle</i>		

41. ASME CODES Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input type="checkbox"/> No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

48. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

48A. SIGNATURE

Andy Nichols

48B. DATE OF SIGNATURE

10-22-03

48C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Suov. I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/23/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
4. ZIP CODE <i>40475</i>		5. PLANT OR BLDG. <i>7005</i>		
6. DATE OF INSPECTION <i>10/20/03</i>		7. DATE OF LAST INSPECTION <i>10/21/02</i>		8. DELIVERY ORDER NO.
9. CONTRACT NO.				
10. OBJECT				
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				
11. PLANT				
<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned				
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1985</i>
				12B. YEAR INSTALLED <i>1985</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>Cleaver Brooks</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>30 HP HS = 150 5/8" HT</i>		17. NATIONAL BOARD NUMBER <i>NB 60026</i>
18. USAF NUMBER <i>#1</i>				
19. USE				
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED				
<input type="checkbox"/> Yes <input type="checkbox"/> No				
24. PURPOSE OF HYDROSTATIC TEST		25. LAST HYDROSTATIC TEST		26. HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		Date: PSI:		<input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

HEAVY OXYGEN CONTAMINATION ON TOP ROW OF TUBE IN THE FORM OF BLISTERS.

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

FRONT RIGHT HAND HOLE PLUG LEAKING CAUSING CORROSION OF THE OUTER CASING AND RIGHT FRONT SUPPORT LEG.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

CORROSION ON FRONT SUPPORT LEGS

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1517</i>	34. CONDITION AND HOW TESTED <i>B/r. Idle, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>APPEARS SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>GAGE GLASS STAINED FROM WATER LEVEL DOWN. - CLEAN</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>NO MANUAL RESET ON LWCO</i>		

41. ASME CODES

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. Proper chemical treatment and blowdowns must be administered to control scale and oxygen.
2. All handhole plugs should be removed and new gaskets installed.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NR11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv. J.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

George J. Schaffer

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE
HSBCT CONTRACT NUMBER	
2. INSTALLATION <i>F. Campbell</i>	2A. CITY
3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
5. PLANT OR BLDG. <i>7008</i>	
6. DATE OF INSPECTION <i>10/22/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>
8. DELIVERY ORDER NO.	9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>
12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>25,106 MBH 750 HP</i>
17. NATIONAL BOARD NUMBER <i>NB38595</i>	18. USAF NUMBER <i>#1</i>
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>150</i>
22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	
STATEMENT OF BASE CIVIL ENGINEER	
27. REPAIRS MADE SINCE LAST INSPECTION <input checked="" type="checkbox"/> None <input type="checkbox"/> Other (Specify)	

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
No Adverse Conditions Noted

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
Stack Gas Thermometer Inoperative

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Appears SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-2 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>43,588</i>	34. CONDITION AND HOW TESTED <i>Not Tested, b/c Idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT, Not Tested, b/c Idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

REPLACE STACK GAS THERMOMETER

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAURENCE

45A. SIGNATURE OF INSPECTOR

Fred Laurence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

11311658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler Controls

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

[Signature]

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input checked="" type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE
HSBCT CONTRACT NUMBER	
2. INSTALLATION <i>H. Campbell</i>	2A. CITY
3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
5. PLANT OR BLDG. <i>7008</i>	
6. DATE OF INSPECTION <i>10/23/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>
8. DELIVERY ORDER NO.	9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>106</i>	11B. PRESSURE THIS INSPECTION <i>90</i>
12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSI</i>	
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>25,106 MBH 750 HP</i>
17. NATIONAL BOARD NUMBER <i>NB 38607</i>	18. USAF NUMBER <i>#2</i>
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	
20. METHOD OF FIRING (Boilers) <i>ALSO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING
22. EXPLAIN IF PRESSURE CHANGED	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2 1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>47,775</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & Clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO Failed to put boiler into Lockout</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LUCO SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/22/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P. Chism Boiler Controls

46A. SIGNATURE

Roger P. Chism

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

290 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

[Signature]

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE
HSBCT CONTRACT NUMBER	
2. INSTALLATION <i>F. Campbell</i>	2A. CITY
3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>
5. PLANT OR BLDG. <i>7008</i>	
6. DATE OF INSPECTION <i>10/22/03</i>	7. DATE OF LAST INSPECTION <i>10/10/02</i>
8. DELIVERY ORDER NO.	9. CONTRACT NO.
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel	
11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>0</i>
12A. YEAR BUILT <i>1992</i>	12B. YEAR INSTALLED <i>1992</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>
14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>25,106 MBH 750 Hp</i>
17. NATIONAL BOARD NUMBER <i>NB 44047</i>	18. USAF NUMBER <i>#3</i>
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input checked="" type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)	
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>150</i>
22. EXPLAIN IF PRESSURE CHANGED	
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:
26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*SEVERAL TUBES APPEAR TO BE LEAKING AT REAR TUBESHEET.
HEAVY OXYGEN CONTAMINATION ON TOP ROW OF TUBES*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No Adverse Conditions Noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Appears SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>3-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>35,553</i>	34. CONDITION AND HOW TESTED
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually SAT. Not inspected, ble. Idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

The boiler should be hydrostatically tested for leakage. Any leaks MUST be repaired IAW the NBIC.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

10/22/03

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Roger P Chism Boiler controls

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

Roger P. Chism

10/22/03

270 798 2620

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

[Signature]

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>Ft. Campbell</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7042</i>
6. DATE OF INSPECTION <i>10/20/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.	9. CONTRACT NO.	

10. OBJECT
 Fire Tube Cast Iron Water Tube Expansion Tank Pressure Vessel

11. PLANT
 Manned Unmanned

11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1985</i>	12B. YEAR INSTALLED <i>1985</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>779 MBH 30 HP</i>	17. NATIONAL BOARD NUMBER <i>NB 15773</i>	18. USAF NUMBER <i>#1</i>
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED	23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input type="checkbox"/> No
--	---	---------------------------------	--

24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.) *MODERATE SCALE AND EVIDENCE OF OXYGEN CONTAMINATION CONTROL PIPING PARTICULARLY OBSTRUCTED.*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.) *LOWER OUTER CASING DETERIORATED SAFETY VALVE DISCHARGE PIPING NEED 1/8" DRAIN HOLE GAS FUEL TRAIN IN POOR CONDITION. COVER PLATE MISSING FROM GAS PRESSURE SWITCHES AND AUTOMATIC SHUT-OFF VALVES.*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
APPEAR SOLID

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1669</i>	34. CONDITION AND HOW TESTED <i>BLK IDLE, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>MANUAL RESET ON LWCO DISABLED</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

1. PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN.
2. THE FUEL TRAIN, SWITCHES AND REGULATOR OPERATION SHOULD BE TESTED, ANY COMPONENT NOT FUNCTIONING PROPERLY SHOULD BE REPLACED. NEW COVER PLATES MUST BE INSTALLED ON SWITCHES AND GAS SHUT-OFF VALVES.
3. SAFETY VALVE DISCHARGE PIPING SHOULD HAVE 1/8" HOLE FOR DRAINAGE.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10-21-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

(270) 798-5153

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/21/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

35

1. TYPE OF INSPECTION				
Internal and External		<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA	
Internal/External with Hydrostatic Test (same day)		<input type="checkbox"/> BB	<input type="checkbox"/> VB	
External Under Operation		<input type="checkbox"/> BC	<input type="checkbox"/> VC	
External Under Hydrostatic Test		<input type="checkbox"/> BD	<input type="checkbox"/> VD	
Expansion/Receiver Tank or Internal with UT		<input type="checkbox"/> BE	<input type="checkbox"/> VE	
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>F. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/20/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		4. ZIP CODE <i>40475</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		5. PLANT OR BLDG. <i>7049</i>		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
12A. YEAR BUILT <i>1985</i>		12B. YEAR INSTALLED <i>1985</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>Cleaver Brooks</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>HS=150 58/ft</i>		17. NATIONAL BOARD NUMBER <i>NB 60022</i>
18. USAF NUMBER <i>#1</i>		19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		22. EXPLAIN IF PRESSURE CHANGED
23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		
25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)
REPLACED SAFETY VALVE

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*HEAVY SCALE ACCUMULATION HAS BRIDGED BETWEEN THE FURNACE TUBE AND BOILER SHELL.
 HEAVY SOOT ON ALL FIRESIDE SURFACES*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
FEEDWATER INLET VALVE LEAKING

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
APPEAR SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>1,652</i>	34. CONDITION AND HOW TESTED <i>Blr. Idle, NOT TESTED</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>LOWEST GAGE GLASS CUTOFF VALVE LEAKING</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>NO MANUAL RESET ON LWCO</i>		

41. ASME CODES
 Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

SCALE ACCUMULATION IN THE BOTTOM OF THE BOILER CAN REDUCE CIRCULATION AND CAUSE OVERHEATING OF THE FURNACE TUBE. THIS BOILER SHOULD BE THOROUGHLY CLEANED TO REMOVE SCALE.
PROPER CHEMICAL TREATMENT AND BLOWDOWNS MUST BE ADMINISTERED TO CONTROL SCALE AND OXYGEN.
ALL EXTERNAL LEAKS SHOULD BE CORRECTED IMMEDIATELY TO PREVENT EXTERNAL CORROSION.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/20/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/21/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External			<input type="checkbox"/> BA	<input checked="" type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)			<input type="checkbox"/> BB	<input type="checkbox"/> VB
External Under Operation			<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC
External Under Hydrostatic Test			<input type="checkbox"/> BD	<input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT			<input type="checkbox"/> BE	<input type="checkbox"/> VE
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>F. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
6. DATE OF INSPECTION <i>10/21/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		4. ZIP CODE <i>40475</i>
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel		5. PLANT OR BLDG. <i>7116</i>		
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>38</i>		8. DELIVERY ORDER NO.
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		9. CONTRACT NO.
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>MS-750 5/8" 6277 MBH</i>		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)		12A. YEAR BUILT <i>1984</i>		12B. YEAR INSTALLED <i>1984</i>
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING <i>50</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		17. NATIONAL BOARD NUMBER <i>NB 38626</i>
		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:		18. USAF NUMBER <i>#1</i>

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

APPEAR SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4269</i>	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LUCCO failed to put the boiler into LOCKOUT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)
 Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSD-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION				
		Internal and External			<input type="checkbox"/> BA	<input type="checkbox"/> VA
		Internal/External with Hydrostatic Test (same day)			<input type="checkbox"/> BB	<input type="checkbox"/> VB
		External Under Operation			<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC
		External Under Hydrostatic Test			<input type="checkbox"/> BD	<input type="checkbox"/> VD
		Expansion/Receiver Tank or Internal with UT			<input type="checkbox"/> BE	<input type="checkbox"/> VE
2. INSTALLATION <i>H. Campbell</i>	2A. CITY	3. STATE <i>Ky</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7116</i>		
6. DATE OF INSPECTION <i>10/21/03</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.		
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel				11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>40</i>	12A. YEAR BUILT <i>1984</i>	12B. YEAR INSTALLED <i>1984</i>			
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>				
15. MANUFACTURER <i>Kewanee</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>2,511 MBTU 60 HP</i>	17. NATIONAL BOARD NUMBER <i>NB 38298</i>	18. USAF NUMBER <i>#2</i>			
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)						
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:				

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
TYPE "C" INSPECTION

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
APPEAR SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR:	34. CONDITION AND HOW TESTED <i>TEST SAT BY HAND</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCC failed to put the boiler into LOCKOUT</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

ASME CSB-1 REQUIRES A MANUAL RESET ON THE LWCO. SAFETY DEVICES MUST NEVER BE DISABLED.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION				
Internal and External			<input checked="" type="checkbox"/> BA	<input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)			<input type="checkbox"/> BB	<input type="checkbox"/> VB
External Under Operation			<input type="checkbox"/> BC	<input type="checkbox"/> VC
External Under Hydrostatic Test			<input type="checkbox"/> BD	<input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT			<input type="checkbox"/> BE	<input type="checkbox"/> VE
HSBCT CONTRACT NUMBER				
2. INSTALLATION <i>Ft. Campbell</i>		2A. CITY		3. STATE <i>KY</i>
4. DATE OF INSPECTION <i>10/21/03</i>		7. DATE OF LAST INSPECTION <i>10/22/02</i>		4. ZIP CODE <i>40475</i>
8. DELIVERY ORDER NO.		5. PLANT OR BLDG. <i>7116</i>		
10. OBJECT				
<input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT	
			<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION <i>36</i>		11B. PRESSURE THIS INSPECTION <i>0</i>		12A. YEAR BUILT <i>1984</i>
				12B. YEAR INSTALLED <i>1984</i>
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>6277 MBtu 150 Hp</i>		17. NATIONAL BOARD NUMBER <i>NB 38156</i>
				18. USAF NUMBER <i>#3</i>
19. USE				
<input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)				
20. METHOD OF FIRING (Boilers) <i>AUTO BURNER</i>		21. SAFETY/RELIEF VALVES SETTING		22. EXPLAIN IF PRESSURE CHANGED
				23. PRESSURE GAGE TESTED
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
24. PURPOSE OF HYDROSTATIC TEST		25. LAST HYDROSTATIC TEST		26. HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		Date: PSI:		<input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION

None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)

*EVIDENCE OF TUBE LEAKAGE AT NEAR TUBESHEET
VERY HEAVY SCALE BUILD-UP ON ALL INTERNAL SURFACES*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)

SCALE AND OXYGEN BLISTERS IN FLOAT CHAMBER

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

APPEARS SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,210</i>	34. CONDITION AND HOW TESTED <i>Not tested</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Usually poor condition, not tested, boiler idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.)

The boiler should be hydrostatically tested for leakage. Any leaks must be repaired IAW the NBIC.
Proper chemical treatment and blowdowns must be administered to control scale and oxygen.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

10/21/03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

Andy Nichols

46B. DATE OF SIGNATURE

10/22/03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

George J. Schaffer

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

10/22/03

BOILER OR PRESSURE VESSEL INSPECTION REPORT

1. TYPE OF INSPECTION	
Internal and External	<input checked="" type="checkbox"/> BA <input type="checkbox"/> VA
Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB <input type="checkbox"/> VB
External Under Operation	<input type="checkbox"/> BC <input type="checkbox"/> VC
External Under Hydrostatic Test	<input type="checkbox"/> BD <input type="checkbox"/> VD
Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE <input type="checkbox"/> VE

HSBCT CONTRACT NUMBER

2. INSTALLATION <i>H. Campbell</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40475</i>	5. PLANT OR BLDG. <i>7154</i>
6. DATE OF INSPECTION <i>10/21/02</i>	7. DATE OF LAST INSPECTION <i>10/22/02</i>	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
10. OBJECT <input checked="" type="checkbox"/> Fire Tube <input type="checkbox"/> Cast Iron <input type="checkbox"/> Water Tube <input type="checkbox"/> Expansion Tank <input type="checkbox"/> Pressure Vessel			11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>0</i>	12A. YEAR BUILT <i>1987</i>	12B. YEAR INSTALLED <i>1987</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>N/A</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>KEWANEE</i>	16. MANUFACTURER'S RATING MBTU/LBS. / HR <i>6277 MBH</i>	17. NATIONAL BOARD NUMBER <i>NB40739</i>	18. USAF NUMBER <i>#2</i>		
19. USE <input type="checkbox"/> Power <input checked="" type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input type="checkbox"/> HTHW Heating <input type="checkbox"/> Heat Exchange <input type="checkbox"/> Other (Specify)					
20. METHOD OF FIRING (Boilers) <i>Auto Burner</i>	21. SAFETY/RELIEF VALVES SETTING <i>50/60</i>	22. EXPLAIN IF PRESSURE CHANGED		23. PRESSURE GAGE TESTED <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
24. PURPOSE OF HYDROSTATIC TEST <input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair		25. LAST HYDROSTATIC TEST Date: PSI:		26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input type="checkbox"/> No Date: PSI:	

STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)

INTERNAL INSPECTION

28. DESCRIBE INSPECTION FULLY (State location of any damage or deposits, i.e., scale, grease, oil, etc.; any corrosion, pitting, grooving, cracking or lamination; any evidence of overheating, broken or loose items, etc.)
*SCALE build-up on LUCO probe
evidence of tube leakage at REAR TUBESHEET*

EXTERNAL INSPECTION

29. CONDITION OF BOILERS, VESSELS AND PLANT (Describe fully and state location of any corrosion, leakages, evidence of overheating, soot or other destructive accumulations, or safety or ASME/NB violations, etc.)
No ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-1/2, 1-1/4</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>7,411</i>	34. CONDITION AND HOW TESTED <i>Not tested, b/c Idle</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>CLEAN & CLEAR</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>VISUALLY SAT, NOT TESTED, Boiler Idle</i>		
41. ASME CODES			

Does plant comply with code, welding, materials, configuration, etc? Yes No (Explain)

INSPECTOR STATEMENT

42. WAS BOILER OR VESSEL PREPARED FOR THOROUGH EXAMINATION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

43. WAS BOILER OR VESSEL ENTERED FOR THE INSPECTION (If NO, state what was not and why in Remarks and Recommendations of Inspector.)

Yes No

REMARKS AND RECOMMENDATIONS OF THE INSPECTOR

44. LIST ALL DEFICIENCIES TO BE CORRECTED OR REPAIRED (Use a continuation sheet if necessary.) *The boiler should be Hydrostatically pressure tested for leakage. Any leaks must be repaired IAW the NBIC. The submerged probe on the secondary LWCO should be removed and cleaned to insure proper operation.*

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

45B. DATE OF SIGNATURE

45C. INSPECTOR'S NATIONAL BOARD NO.

Fred Lawrence

10/21/03

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Andy Nichols

46A. SIGNATURE

46B. DATE OF SIGNATURE

46C. REPRESENTATIVE'S TELEPHONE NUMBER

Andy Nichols

10/22/03

270-798-5753

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

GEORGE J. SCHAFER
Supv., I.M. Shop

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE

49. SIGNATURE OF OFFICER IN CHARGE

50. DATE OF SIGNATURE

George J. Schaffer

10/22/03