

ATTACHMENT

**BOILER INSPECTION REPORTS
AF1222**

**FORT KNOX VISIT NO. 1
NOVEMBER 10-13, 2003**

December 19, 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>297</i>
6. DATE OF INSPECTION <i>11-11-03</i>	7. DATE OF LAST INSPECTION	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 checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>36</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>Oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3450 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB15827</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"/> Ratest <input type="checkbox"/> Repair	25. LAST HYDROSTATIC TEST Date: <i>unk</i> PSI:	26. HYDROSTATIC TEST <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)
Replaced both 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.)
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.)
MANUAL RESET ON LWCO disabled

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>4694</i>	34. CONDITION AND HOW TESTED <i>460 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</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, CW140 Requires 2 Low Water Fuel Cut-out devices. One must be equipped with a MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

FRANK LAWRENCE

45A. SIGNATURE OF INSPECTOR

FRANK LAWRENCE

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

CH. FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frych

50. DATE OF SIGNATURE

12 NOV 2003

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>FL. KNOX</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>297</i>
6. DATE OF INSPECTION <i>11-11-03</i>		7. DATE OF LAST INSPECTION		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 checked="" type="checkbox"/> Manned <input 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>oil</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</i>		17. NATIONAL BOARD NUMBER <i>NB 15825</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: <i>unk</i> PSI:		26. HYDROSTATIC TEST <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)
Replaced 1-1 1/2" 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.)
Type "c" inspections

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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1 1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4694</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>LWCO & FLAME SENSOR 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.)

ASME CSB-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER		1. TYPE OF INSPECTION			
		Internal and External	<input type="checkbox"/> BA	<input type="checkbox"/> VA	<input type="checkbox"/> VB
2. INSTALLATION		2A. CITY	3. STATE	4. ZIP CODE	5. PLANT OR BLDG.
FF KNOX			KY	40121	297
8. DATE OF INSPECTION	7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.		9. CONTRACT NO.	
11-11-03					
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		
	36	1985	1985		
13A. PRIMARY FUEL (Boiler)	13B. SECONDARY FUEL (Boiler)	14. DESIGN WORKING PRESSURE OR TEMPERATURE			
NAT. GAS	oil	150			
15. MANUFACTURER	16. MANUFACTURER'S RATING MBTU /LBS. / HR	17. NATIONAL BOARD NUMBER	18. USAF NUMBER		
BURNHAM	3450 16/hr	NB 15826	#3		
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: UNK 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)

Replaced 1-1 1/2" 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.)

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.)

MANUAL RESET ON LUCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>2-1 1/2</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>4694</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>LUCO & FLAME SENSOR 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.)

ASME CSB-1, CW140 Requires a LOW WATER FUEL CUT-OUT devices. ONE MUST BE equipped with A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH, FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

22 NOV 2003

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 F.F. KNOX	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 860
6. DATE OF INSPECTION 11-12-03	7. DATE OF LAST INSPECTION	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 80	12A. YEAR BUILT 2001	12B. YEAR INSTALLED 2001
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) OIL	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150	
15. MANUFACTURER CLAWSON BROOKS	16. MANUFACTURER'S RATING MBTU / LBS. / HR 7650 16/62	17. NATIONAL BOARD NUMBER NB 6371	18. USAF NUMBER #3

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) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 150	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: N/A PSI:	26. HYDROSTATIC TEST <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.)
1ST SAFETY VALVE FROZEN SHUT, WOULD NOT OPERATE

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE			
31. SAFETY/RELIEF VALVES	32. SIZE Number: 2-1/4"	33. TOTAL CAPACITY CFM: _____ BTU/HR: _____ LB/HR: 8480	34. CONDITION AND HOW TESTED UNSAT, BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT		
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 1st 1 1/4" safety valve must be replaced with an ASME approved valve of the same size and capacity

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-12-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Travis Allen Service Technician

46A. SIGNATURE

Travis Allen

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE JR GS13
CHIEF, FACILITIES OPERATION AND MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye Jr.

50. DATE OF SIGNATURE

12 Nov 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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>860</i>
6. DATE OF INSPECTION <i>11-12-03</i>	7. DATE OF LAST INSPECTION	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>110</i>	12A. YEAR BUILT <i>2001</i>	12B. YEAR INSTALLED <i>2001</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150 PSE</i>			
15. MANUFACTURER <i>CLEAVEN BROOKS</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>7650 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NR 6370</i>	18. USAF NUMBER <i>#4</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: <i>N/A</i> PSI:	26. HYDROSTATIC TEST <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.)
1ST SAFETY VALVE FROZEN SHUT, WOULD NOT OPERATE

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

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>8480</i>	34. CONDITION AND HOW TESTED <i>UNSAT, 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>LUXCO & FLAME SENSOR TEST SAT.</i>		

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

INSPECTOR STATEMENT

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

3. 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

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

The 1st 1 1/4" safety valve must be replaced with an ASME approved safety valve of the same size and capacity

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-12-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Travis Allen Service Technician

46A. SIGNATURE

Travis Allen

46B. DATE OF SIGNATURE

11-12-03

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

*PAUL E. FRYE JR.
CHIEF FACILITY OPERATION AND MAINT. DIV*

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye

50. DATE OF SIGNATURE

12 Nov 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 Ft. KNOX		2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 1475
6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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 33	12A. YEAR BUILT 1986	12B. YEAR INSTALLED 1986		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER SUPERIOR	16. MANUFACTURER'S RATING MBTU / LBS. / HR 3450 16/hr	17. NATIONAL BOARD NUMBER NB 9732	18. USAF NUMBER #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) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	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: UNK PSI:	26. HYDROSTATIC TEST <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)
Replaced both 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.)
Types "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 leaking during operation (new valve) MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 2-1/2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 5,200	34. CONDITION AND HOW TESTED LEAKING, TEST SAT. BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT		

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 1st safety valve must be replaced with an ASME Approved safety valve of the same size and capacity.

ASME CSD-1, CW 140 REQUIRES 2 LOW WATER CUTOUT DEVICES ONE MUST BE EQUIPPED WITH A MANUAL RESET. R.D. per LUL 12/3/03

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

*Paul E. Frye, Jr.,
CH. FACILITIES OPER & MAINT DIV*

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>1475</i>
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6. DATE OF INSPECTION <i>11-11-03</i>	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>30</i>	12A. YEAR BUILT <i>1986</i>	12B. YEAR INSTALLED <i>1986</i>
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13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>
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15. MANUFACTURER <i>SUPERIOR</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3,450 lb/hr</i>	17. NATIONAL BOARD NUMBER <i>NB9731</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: <i>unk</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

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

Replaced 1-1/2" 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.)
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.)
MANUAL RESET ON LWCO disabled
2nd 1/2" SAFETY VALVE LEAKING DURING OPERATION

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>5,200</i>	34. CONDITION AND HOW TESTED <i>LEAKING, 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>LWCO & FLAME SENSOR 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.)

The second safety valve must be replaced with an ASME APPROVED safety valve of the same size and capacity.

ASME CSD-1, 2W140 REQUIRES 2 LOW WATER CUTOUT DEVICES, ONE MUST BE EQUIPPED WITH A MANUAL RESET

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters

Form Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.

CH. FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 Ft. Knox	2A. CITY
3. STATE KY	4. ZIP CODE 40121
5. PLANT OR BLDG. 1975	
6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION
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 36
12A. YEAR BUILT 1986	12B. YEAR INSTALLED 1986
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil
14. DESIGN WORKING PRESSURE OR TEMPERATURE 150	
15. MANUFACTURER Superior	16. MANUFACTURER'S RATING MBTU /LBS. / HR 3450 16/hr
17. NATIONAL BOARD NUMBER NB 9733	18. USAF NUMBER #3
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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50
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: unk PSI:
26. HYDROSTATIC TEST <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.)
MANUAL RESET ON LWCO disabled
1st 1 1/2" safety valve would not open fully.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 2-1 1/2	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 5,000	34. CONDITION AND HOW TESTED UNSAT, tested by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR test SAT.		

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 1st safety valve must be replaced with an ASME approved safety valve of the same size and capacity.
- ASME CSD-1 requires 2 low water fuel cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH, FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

50. DATE OF SIGNATURE

12 NOV 2003

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER 2. INSTALLATION <i>FL. KNOX</i> 8. DATE OF INSPECTION <i>11-11-03</i>		2A. CITY 3. STATE <i>KY</i>		4. ZIP CODE <i>40121</i>		5. PLANT OR BLDG. <i>1479</i>			
								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	
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		7. DATE OF LAST INSPECTION 8. DELIVERY ORDER NO. 9. CONTRACT NO. 11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		11A. PRESSURE PREVIOUS INSPECTION 11B. PRESSURE THIS INSPECTION <i>30</i>		12A. YEAR BUILT <i>1979</i>		12B. YEAR INSTALLED <i>1979</i>	
13A. PRIMARY FUEL (Boiler) <i>Oil</i>		13B. SECONDARY FUEL (Boiler) <i>GAS</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>					
15. MANUFACTURER <i>KEWANEE</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>3348 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NR 32937</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: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <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.)
*No MANUAL RESET ON LWCO
 HEAVY EXTERNAL CORROSION ON OUTER CASING.
 2" SAFETY VALVE LEAKING.*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Support legs corroded

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,092</i>	34. CONDITION AND HOW TESTED <i>LEAKING, by hand</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>LWCO & FLAME SENSOR 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.)

- The deteriorated Areas of the Outer casing should be removed, the safety valve Nozzles wire brushed, & preserved to prevent Corrosion.
- The safety valve must be replaced with AN ASME APPROVED SAFETY VALVE OF THE SAME SIZE AND CAPACITY.
- ASME CSD-1 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Uters FOM Mgr.

46A. SIGNATURE

Richard Uters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 FT. KNOX	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 1479
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6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION 30	12A. YEAR BUILT 1979	12B. YEAR INSTALLED 1979
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13A. PRIMARY FUEL (Boiler) Oil	13B. SECONDARY FUEL (Boiler) NAT. GAS	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150
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15. MANUFACTURER KEWANEE	16. MANUFACTURER'S RATING MBTU /LBS. / HR 3,348 16/hr	17. NATIONAL BOARD NUMBER NB 31978	18. USAF NUMBER #2
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50	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: unk PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:
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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.)
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 LWCO
HEAVY CORROSION ON OUTER CASING AND NOZZLES

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SUPPORT LEGS CORRODED

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6092	34. CONDITION AND HOW TESTED TEST SAT. BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT.		

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.)

Every effort should be made to control corrosion. The support legs should be properly preserved to prevent weakening of these structural supports.
ASME CSB-1, CW140 requires 2 Low Water Fuel Cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters

Fom mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

G/S 13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 Ft. Knox		2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 1479
6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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 38	12A. YEAR BUILT 1979	12B. YEAR INSTALLED 1979		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER KEWANEE	16. MANUFACTURER'S RATING MBTU /LBS. / HR 3,348 lb/hr	17. NATIONAL BOARD NUMBER NB32976	18. USAF NUMBER #3		
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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50	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: unk PSI:	26. HYDROSTATIC TEST <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.)
**No MANUAL RESET ON LWCO
 SAFETY VALVE would NOT open fully, INSUFFICIENT CAPACITY**

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Support Legs Corroded

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 3,146	34. CONDITION AND HOW TESTED UNSAT, by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION 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.)

- The 2" safety valve must be replaced with an ASME approved safety valve of the same size and capacity greater than the boilers capacity.
- ASME CSD-1 requires 2 low water fuel cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

Paul E. French GS 13
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. French

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY		3. STATE <i>KY</i>	
				4. ZIP CODE <i>40121</i>	
				5. PLANT OR BLDG. <i>1486</i>	
6. DATE OF INSPECTION <i>11-11-03</i>		7. DATE OF LAST INSPECTION		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>32</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>N/A</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>SUPERIOR</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,312 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NB 9734</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: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <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)

Replaced both 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.)
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 LWCO

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,980</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</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, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

**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. Knox</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>1486</i>
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6. DATE OF INSPECTION <i>11-11-03</i>	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>36</i>	12A. YEAR BUILT <i>1986</i>	12B. YEAR INSTALLED <i>1986</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>Superior</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,312 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB9735</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: <i>unk</i> PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date: PSI:
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STATEMENT OF BASE CIVIL ENGINEER

27. REPAIRS MADE SINCE LAST INSPECTION
 None Other (Specify)
Replaced both 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.)
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 LWCO
LWCO slow to shut boiler down, mercury switch striking*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,980</i>	34. CONDITION AND HOW TESTED <i>Test sat by hand</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>Clean & clear sat.</i>		
37. OTHER APPLIANCES	38. CONDITION <i>Clean & clear</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>LWCO & flame sensor 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.)

- All electrical and electronic controls should be cleaned routinely to prevent erratic or unreliable operation.
- ASME CSD-1, CW140 requires 2 Low Water Fuel Cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Form Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-22-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

67813

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

**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>FF. KNOX</i>	2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>1725</i>	
6. DATE OF INSPECTION <i>11-11-03</i>	7. DATE OF LAST INSPECTION	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 type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>28</i>	12A. YEAR BUILT <i>1993</i>	12B. YEAR INSTALLED <i>1993</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>BRYAN</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>6,400 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB 33094</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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.) *No MANUAL RESET ON LWCO*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
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>11,616</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.</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 B5D-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OFF DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Form Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 Ft. KNOX	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 1725
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6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION 38	12A. YEAR BUILT 1991	12B. YEAR INSTALLED 1991
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13A. PRIMARY FUEL (Boiler) NAT GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150 PSI
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15. MANUFACTURER BURNHAM	16. MANUFACTURER'S RATING MBTU /LBS. / HR 10,043 16/HR	17. NATIONAL BOARD NUMBER NB20105	18. USAF NUMBER #2
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19. USE
 Power Steam Heating Process Storage HTHW Heating Heat Exchange Other (Specify)

20. METHOD OF FIRING (Boilers) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 150	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: unk PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" 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.)
RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 2-1/2	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 12,626	34. CONDITION AND HOW TESTED Test SAT by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT.		

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, CW140 Requires 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Food LAWRENCE

45A. SIGNATURE OF INSPECTOR

Food Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

6813

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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		Internal/External with Hydrostatic Test (same day)	<input type="checkbox"/> BB	<input type="checkbox"/> VB	
2A. CITY		External Under Operation	<input checked="" type="checkbox"/> BC	<input type="checkbox"/> VC	
3. STATE		External Under Hydrostatic Test	<input type="checkbox"/> BD	<input type="checkbox"/> VD	
4. ZIP CODE		Expansion/Receiver Tank or Internal with UT	<input type="checkbox"/> BE	<input type="checkbox"/> VE	
5. PLANT OR BLDG.					
6. DATE OF INSPECTION	7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.	9. CONTRACT NO.		
11-11-03			2373		
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 <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned					
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION		11. PLANT	
		34		<input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned	
12A. YEAR BUILT		12B. YEAR INSTALLED			
1985		1985			
13A. PRIMARY FUEL (Boiler)		13B. SECONDARY FUEL (Boiler)		14. DESIGN WORKING PRESSURE OR TEMPERATURE	
NAT. GAS		oil		150	
15. MANUFACTURER		16. MANUFACTURER'S RATING MBTU /LBS. / HR		17. NATIONAL BOARD NUMBER	
BURNHAM		4,313 16/hr		NB15801	
18. USAF NUMBER					
#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					
<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: <u>UNK</u> 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)

Replaced 1/4" 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.)

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.)

MANUAL RESET ON LWCO disabled
2" safety valve leaking during operation

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <u>2" 1-1/4 1-1/4</u>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <u>6,116</u>	34. CONDITION AND HOW TESTED <u>TEST UNSAT by hand</u>
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) <u>SAT</u>		
37. OTHER APPLIANCES	38. CONDITION <u>Clean & clear</u>		
39. REGULATORS AND CONTROLS	40. CONDITION <u>LWCO & FLAME SENSOR test SAT.</u>		
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 2" SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED SAFETY VALVE OF THE SAME SIZE AND CAPACITY.
- ASME CSD-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

48. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

48B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>2373</i>
6. DATE OF INSPECTION <i>11-11-03</i>		7. DATE OF LAST INSPECTION		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>1985</i>	
12B. YEAR INSTALLED <i>1985</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>Burnham</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4313 16/hr</i>	
17. NATIONAL BOARD NUMBER <i>NR 15789</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: <i>unk</i> 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 1 1/4" 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.)
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.)
MANUAL RESET ON LWCO disabled
2" safety valve leaking

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</i>	34. CONDITION AND HOW TESTED <i>WASAT, 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</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 2" SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED SAFETY VALVE OF THE SAME SIZE AND CAPACITY.
- ASME CSD-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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>E. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>2373</i>
6. DATE OF INSPECTION <i>11-11-03</i>		7. DATE OF LAST INSPECTION		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>1985</i>	
				12B. YEAR INSTALLED <i>1985</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>Burnham</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,313 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NB 15799</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: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <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)

Replaced 1 1/4 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.)
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.)
MANUAL RESET ON LUCO disabled
2" SAFETY VALVE LEAKING DURING OPERATION

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</i>	34. CONDITION AND HOW TESTED <i>LEAKING, UNSAT, 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.</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 2" SAFETY VALVE MUST BE REPLACED WITH AN ASME APPROVED SAFETY VALVE OF THE SAME SIZE AND CAPACITY.
- ASME CSD-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Form Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

47. DATE AND ACTION TAKEN OR TO BE TAKEN

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

*PAUL E. EBY, JR.
CH, FACILITIES OPER & MAINT DIV*

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Eby, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

BOILER OR PRESSURE VESSEL INSPECTION REPORT

2. INSTALLATION <i>FF. KNOX</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>1377</i>
		7. DATE OF LAST INSPECTION		8. DELIVERY ORDER NO.		9. CONTRACT NO.
6. DATE OF INSPECTION <i>11-11-03</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>34</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>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4313 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NB 15796</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: <i>unk</i> PSI:		26. HYDROSTATIC TEST <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)

REPLACED 1 1/4" 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.) *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.) *MANUAL RESET ON LWCO disabled*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</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</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, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES, ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH, FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>2377</i>
6. DATE OF INSPECTION <i>11-11-03</i>	7. DATE OF LAST INSPECTION	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>33</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>BURKHAM</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4313 16/HR</i>	17. NATIONAL BOARD NUMBER <i>NIB 15790</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: <i>UNK</i> PSI:	28. HYDROSTATIC TEST <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)
Replaced 1 1/4" 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.)
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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/4"</i>	33. TOTAL CAPACITY CFM: _____ BTU/HR: _____ LB/HR: <i>6,116</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.</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, CW140 Requires 2 Low Water Fuel Cut-out devices. One must be equipped with a MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

502 621 5054

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

CS 13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 FT. KNOX	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 2380
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5. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION 34	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985
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13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150
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15. MANUFACTURER Buenham	16. MANUFACTURER'S RATING MBTU /LBS. / HR 4313 16/hr	17. NATIONAL BOARD NUMBER NB15803	18. USAF NUMBER #2
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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) Auto BUENER	21. SAFETY/RELIEF VALVES SETTING 50	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: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" 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.) **M 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.) **MANUAL RESET ON LWCO disabled**
Both safety valves leaking during operation

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED LEAKING, UNSAT
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & Alarm sensor test SAT.		

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

INSPECTOR STATEMENT

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

3. 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

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

Both safety valves should be replaced with ASME Approved safety valves of the same size and capacity.

ASME C58-1, CW140 requires a low water fuel cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NIB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

6513

50. DATE OF SIGNATURE

12 NOV 2003

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

1. INSTALLATION <i>F. KUOX</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>2380</i>
6. DATE OF INSPECTION <i>11-11-03</i>		7. DATE OF LAST INSPECTION		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		
1A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION <i>35</i>		12A. YEAR BUILT <i>1985</i>		12B. YEAR INSTALLED <i>1985</i>
3A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>		13B. SECONDARY FUEL (Boiler) <i>oil</i>		14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
5. MANUFACTURER <i>BURNHAM</i>		16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,313 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NB 15798</i>		18. USAF NUMBER <i>#3</i>
9. 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)						
10. 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: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <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.)
No MANUAL RESET ON LWCO.

Both safety valves leaking during operation while testing the LWCO it was noted that it was difficult to blow the boiler down.

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2" 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</i>	34. CONDITION AND HOW TESTED <i>LEAKING, UNSAT</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 & PLAME SENSOR test SAT.</i>		

41. ASME CODES

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

INSPECTOR STATEMENT

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

Yes No

3. 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

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

- The boiler should be removed from service and the obstructed valve or blow-down piping cleaned out. The boiler must be blowdown frequently to control scale build up in the bottom of the boiler.
- Both safety valves should be replaced with ASME approved safety valves of the same size and capacity
- ASME CSD-1, CW140 requires 2 manual low water fuel cut-out devices. One must be equipped with a manual reset.

43. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. French

GS 13

50. DATE OF SIGNATURE

12 NOV 2003

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 Ft. Knox		2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. J880
6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION 5/4	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 36	12A. YEAR BUILT 1995	12B. YEAR INSTALLED 1985		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER Burnham	16. MANUFACTURER'S RATING MBTU /LBS. /HR 4313 16/hr	17. NATIONAL BOARD NUMBER NB15904	18. USAF NUMBER #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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50	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: unk PSI:	26. HYDROSTATIC TEST <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)
Replaced 1 1/4" 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.)
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.)
**MANUAL RESET ON LWCO disabled.
 HEAVY CORROSION ON OUTER CASING
 2" SAFETY VALVE LEAKING**

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED LEAKING, UNSAT
35. PRESSURE GAGES	38. CORRECTION TAKEN (if none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO F' FLAME SENSOR TEST SAT.		

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 2" safety valves should be replaced with AN ASME APPROVED SAFETY VALVE OF THE SAME SIZE AND CAPACITY.

The corroded area of the outer casing should be removed and new sheet metal installed.

ASME CSD-1 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

6813

50. DATE OF SIGNATURE

12 NOV 2003

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>Fl. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>5943</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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>150</i>	12A. YEAR BUILT <i>1966</i>	12B. YEAR INSTALLED <i>1966</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>450</i>			
15. MANUFACTURER <i>INTERNATIONAL</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>26,000 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB466</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 checked="" 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>450</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: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <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.)
No Adverse conditions noted

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

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>34,170</i>	34. CONDITION AND HOW TESTED <i>Test SAT</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>SAT</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Low Flow CUT-OUT AND FLAME SENSOR 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.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

FRED LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

*PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV*

4513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

18 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>5943</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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 type="checkbox"/> Manned <input type="checkbox"/> Unmanned	
11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION <i>150</i>	12A. YEAR BUILT <i>1966</i>	12B. YEAR INSTALLED <i>1966</i>		
13A. PRIMARY FUEL (Boiler) <i>NAT. GAS</i>	13B. SECONDARY FUEL (Boiler) <i>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>450</i>			
15. MANUFACTURER <i>INTERNATIONAL</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>26,000 lb/hr</i>	17. NATIONAL BOARD NUMBER <i>NB465</i>	18. USAF NUMBER <i>#2</i>		
19. USE <input type="checkbox"/> Power <input type="checkbox"/> Steam Heating <input type="checkbox"/> Process <input type="checkbox"/> Storage <input checked="" 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>450</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: <i>UNK</i> PSI:		26. HYDROSTATIC TEST <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.)

NO ADVERSE CONDITIONS NOTED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

Good

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>34,170</i>	34. CONDITION AND HOW TESTED <i>Test SAT</i>
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) <i>SAT</i>		
37. OTHER APPLIANCES	38. CONDITION <i>SAT</i>		
39. REGULATORS AND CONTROLS	40. CONDITION <i>Low Flow CUT-OUT AND FLAME SENSOR 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.)

No Recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters

Fdm Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye Jr

50. DATE OF SIGNATURE

12 NOV 2003

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	40121	6541

2. INSTALLATION <i>FL. KNOX</i>	6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.	9. CONTRACT NO.

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 <i>UNK</i>	11B. PRESSURE THIS INSPECTION <i>34</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>oil</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>4313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB 15889</i>	18. USAF NUMBER <i>#1</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	25. LAST HYDROSTATIC TEST	26. HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	Date: <i>UNK</i> 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)

replaced 1 1/4" safety valve

INTERNAL INSPECTION

29. 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.)

MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</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>LWCO & FLAME SENSOR 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.)

ASME CSD-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH. FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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. KNOX</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6541</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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>UNK</i>	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>Oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB 15888</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6116</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.</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, CW140 Requires 2 Low Water Fuel Cut-out Devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

6513

50. DATE OF SIGNATURE

1-2 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6541</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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>UNK</i>	11B. PRESSURE THIS INSPECTION <i>33</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB 15795</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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)
NEW SAFETY VALVES INSTALLED

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.)
MANUAL RE-SET ON LWCO DISABLED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY GFM: BTU/HR: LB/HR: <i>6,116</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.</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, CW140 Requires 2 Low WATER Fuel Cut-out devices. One must be equipped with A MANUAL Reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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
CH, FACILITIES OPER & MAINT DIV

PAUL S. CRAY, JR.

49. SIGNATURE OF OFFICER IN CHARGE

Paul S. Cray, Jr.

6513

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6544</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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 checked="" type="checkbox"/> Manned <input 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>Oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4,313</i>	17. NATIONAL BOARD NUMBER <i>NB15802</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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)
NEW SAFETY VALVES INSTALLED

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.)
MANUAL RESET ON LWCD DISABLED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: _____ BTU/HR: _____ LB/HR: <i>6,116</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>LWCD & FLAME SENSOR 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.)

ASME CSB -1 Requires 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters

Fdm mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

6513

BOILER OR PRESSURE VESSEL INSPECTION REPORT

HSBCT CONTRACT NUMBER

1. TYPE OF INSPECTION

- Internal and External BA VA
 Internal/External with Hydrostatic Test (same day) BB VB
 External Under Operation BC VC
 External Under Hydrostatic Test BD VD
 Expansion/Receiver Tank or Internal with UT BE VE

2. INSTALLATION Ft. KNOX		2A. CITY		3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 6544	
6. DATE OF INSPECTION 11-10-03		7. DATE OF LAST INSPECTION		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 32		12A. YEAR BUILT 1985		12B. YEAR INSTALLED 1985	
13A. PRIMARY FUEL (Boiler) NAT. GAS		13B. SECONDARY FUEL (Boiler) oil		14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER BURNHAM		16. MANUFACTURER'S RATING MBTU /LBS. / HR 4,313 15/hr		17. NATIONAL BOARD NUMBER NB15791		18. USAF NUMBER #2	
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) Auto Burner		21. SAFETY/RELIEF VALVES SETTING 50		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: UNK PSI:		26. HYDROSTATIC TEST <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)

Both safety valves replaced

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.) **MANUAL RESET ON LWCO disabled**

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116		34. CONDITION AND HOW TESTED Test SAT. by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT			
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR			
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR test SAT.			

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, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

62513
12 NOV 2003

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	
HSSCT CONTRACT NUMBER				
2. INSTALLATION Ft. Knox		2A. CITY		3. STATE IL
6. DATE OF INSPECTION 11-10-03		7. DATE OF LAST INSPECTION		4. ZIP CODE 40121
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. 6548
11A. PRESSURE PREVIOUS INSPECTION		11B. PRESSURE THIS INSPECTION 38		11. PLANT <input type="checkbox"/> Manned <input checked="" type="checkbox"/> Unmanned
13A. PRIMARY FUEL (Boiler) NAT. GAS		12A. YEAR BUILT 1985		12B. YEAR INSTALLED 1985
13B. SECONDARY FUEL (Boiler) Oil		14. DESIGN WORKING PRESSURE OR TEMPERATURE 150 PSI		
15. MANUFACTURER BURNHAM		16. MANUFACTURER'S RATING MBTU /LBS. / HR 4313 16/HR		17. NATIONAL BOARD NUMBER NB15786
18. USAF NUMBER #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) Auto Burner		21. SAFETY/RELIEF VALVES SETTING 50		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: UNK PSI:		26. HYDROSTATIC TEST <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)
REPLACED 1 1/4" 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.)
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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED TEST SAT. BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT.		

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, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,

CH. FACILITIES OPER & MAINT DIV

6813

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 FT. KNOX	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 6548		
6. DATE OF INSPECTION 10-10-03	7. DATE OF LAST INSPECTION	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 32	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985			
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150				
15. MANUFACTURER Burnham	16. MANUFACTURER'S RATING MBTU /LBS. / HR 4,313 16/HR	17. NATIONAL BOARD NUMBER NB15794	18. USAF NUMBER #2			
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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50	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: UNK PSI:	26. HYDROSTATIC TEST <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)
Replaced 1 1/4" 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.)
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.)
MANUAL RESET ON LWCD disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED Test SAT by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION Clean & Clean		
39. REGULATORS AND CONTROLS	40. CONDITION LWCD & FLAME SENSOR Test SAT.		

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, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Form mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

GS13

50. DATE OF SIGNATURE
12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6548</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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>30</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>4,313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB15792</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: <i>unk</i> PSI:		26. HYDROSTATIC TEST <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)
Replaced both safety valves

INTERNAL INSPECTION

29. 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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</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.</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 C58-1, CW140 Requires 2 Low WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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, JR.,
CH, FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Sneyd

50. DATE OF SIGNATURE

12 NOV 2003

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	
2. INSTALLATION <i>Ft. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>
8. DATE OF INSPECTION <i>11-10-03</i>		7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.	5. PLANT OR BLDG. <i>6550</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>15788</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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)
Replaced both 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.)
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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</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.</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, CW140 Requires a Low Water Fuel Cut-out Device. One must be equipped with a Manual Reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Form mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

05513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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

2. INSTALLATION <i>Ft. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6550</i>
6. DATE OF INSPECTION <i>11-10-03</i>		7. DATE OF LAST INSPECTION	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>30</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>Oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>	
15. MANUFACTURER <i>Burham</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB15797</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: <i>unk</i> PSI:	26. HYDROSTATIC TEST <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)
Replaced both 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.)
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.)
*MANUAL RESET ON LWCO disabled
Hot spot around the rear furnace door*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6,116</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.</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.)

Hot spot around the rear furnace access indicators possible refractory damage. This area should be examined and repaired if necessary.

ASME CSD-1, CW140 requires 2 low water fuel cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Simpson

62513

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>
8. DATE OF INSPECTION <i>11-10-03</i>		7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.	5. PLANT OR BLDG. <i>6550</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>		
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>4,313 16/hr</i>	17. NATIONAL BOARD NUMBER <i>NB 15787</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>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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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.)
MANUAL RESET ON LUCO disabled
2" SAFETY VALVE LEAKING DURING OPERATION

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>6, 116</i>	34. CONDITION AND HOW TESTED <i>LEAKING, 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.</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 2" safety valve should be replaced with an ASME approved valve of the same size and capacity.

ASME CSD-1 CW140 requires 2 low water fuel cut-out devices. One must be equipped with a manual reset.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRIE, JR.,
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frie, Jr.

6513
50. DATE OF SIGNATURE

12 NOV 2003

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 Ft. Knox	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 6553
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6. DATE OF INSPECTION 11-10-03	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION 32	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985
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13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) Oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150
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15. MANUFACTURER Burnham	16. MANUFACTURER'S RATING MBTU /LBS. / HR 4,313 lb/hr	17. NATIONAL BOARD NUMBER NB 15795	18. USAF NUMBER #2
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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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50	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: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" 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.) 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.) MANUAL RESET ON LWCD disabled No STACK temp. THERMOMETER installed
--

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	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 LWCD & FLAME SENSOR Test SAT.		

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

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

2. 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

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

ASME CSD-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

THE EXHAUST GAS THERMOMETER MUST BE INSTALLED
ADD per FWH 12/3/03

5. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

5A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

6. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM mgr.

6A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

17. DATE AND ACTION TAKEN OR TO BE TAKEN

48. TYPE OR PRINT NAME, TITLE AND GRADE OF OFFICER IN CHARGE
PAUL E. FRYE, JR.,

PH. FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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
2. INSTALLATION		2A. CITY	3. STATE	4. ZIP CODE	5. PLANT OR BLDG.	
Ft. Knox			KY	40121	6553	
6. DATE OF INSPECTION	7. DATE OF LAST INSPECTION	8. DELIVERY ORDER NO.		9. CONTRACT NO.		
11-10-03						
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	Oil	150				
15. MANUFACTURER	16. MANUFACTURER'S RATING MBTU / LBS. / HR	17. NATIONAL BOARD NUMBER	18. USAF NUMBER			
BURNHAM	4,313 16/hr	NB 15800	#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: UNK 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)

Replaced 1 1/4" 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.)

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.)

*MANUAL RESET ON LWCO disabled
No stack Temp. Thermometer installed.*

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2" 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED <i>TEST SAT by BRAND</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 & FLAME SENSOR 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.)

ASME CSD-1 CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

THE EXHAUST GAS THERMOMETER MUST BE INSTALLED TO PROPERLY MONITOR OPERATING CONDITION R.D.P. per FWL 12/3/03

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

62513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 Ft. Knok	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 6557
6. DATE OF INSPECTION 11-10-03	7. DATE OF LAST INSPECTION	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 32	12A. YEAR BUILT 1986	12B. YEAR INSTALLED 1986	
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) Oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150		
15. MANUFACTURER BURNHAM	16. MANUFACTURER'S RATING MBTU /LBS. / HR 4,312 15/hr	17. NATIONAL BOARD NUMBER NB16653	18. USAF NUMBER #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) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 50	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: UNK PSI:	26. HYDROSTATIC TEST <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)
REPLACED 1 1/4" 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.)

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.) **MANUAL RESET ON LWCO disabled**

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED TEST SAT BY HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & PLAME SENSOR TEST SAT		

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

INSPECTOR STATEMENT

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

Yes No

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

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

ASME CSA-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

5. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

5A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

6. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

6A. SIGNATURE

Paul Waters

46B. DATE OF SIGNATURE

11-12-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

7. DATE AND ACTION TAKEN OR TO BE TAKEN

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

CH, FACILITIES OPER & MAINT DIV

69613

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Froy

50. DATE OF SIGNATURE

12 NOV 2003

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 F.F. KNOX		2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 6557
3. DATE OF INSPECTION 11-10-03		7. DATE OF LAST INSPECTION		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 30		12A. YEAR BUILT 1986	
12B. YEAR INSTALLED 1986		13A. PRIMARY FUEL (Boiler) NAT. GAS		13B. SECONDARY FUEL (Boiler) oil	
14. DESIGN WORKING PRESSURE OR TEMPERATURE 150		15. MANUFACTURER BURNHAM		16. MANUFACTURER'S RATING MBTU /LBS. / HR 4,312 16/hr	
17. NATIONAL BOARD NUMBER NB 16552		18. USAF NUMBER #3		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) Auto Burner		21. SAFETY/RELIEF VALVES SETTING 50		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: UNK PSI:	
26. HYDROSTATIC TEST <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)
Replaced 1/4" 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.)
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.)
MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1/4"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 6,116	34. CONDITION AND HOW TESTED Test SAT by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR test SAT.		

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

INSPECTOR STATEMENT

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

Yes No

3. 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

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

ASME CSD-1, CW140 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters Fom Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL C. FRYE, JR.
CH, FACILITIES OPER & MAINT DIV

GS13

49. SIGNATURE OF OFFICER IN CHARGE

Paul C. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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>A. Knox</i>		2A. CITY		3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6569</i>
6. DATE OF INSPECTION <i>11-10-03</i>		7. DATE OF LAST INSPECTION		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>62</i>		12A. YEAR BUILT <i>1997</i>		12B. YEAR INSTALLED <i>1997</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>Fulton</i>		16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>690 16/hr</i>		17. NATIONAL BOARD NUMBER <i>NB79419</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>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: <i>N/A</i> PSI:		26. HYDROSTATIC TEST <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.)
No Adverse Conditions

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

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>1,660</i>	34. CONDITION AND HOW TESTED <i>Test SAT. by hand</i>
35. PRESSURE GAGES	35. 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 & PLANCE SENSOR 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.)

No recommendations

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters

Fdm Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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
Paul E. French
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. French

GS13

50. DATE OF SIGNATURE
12 NOV 2003

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 Ft. Knox	2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 6578
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6. DATE OF INSPECTION 11-10-03	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION 38	12A. YEAR BUILT 1985	12B. YEAR INSTALLED 1985
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13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) Oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150
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15. MANUFACTURER BURNHAM	16. MANUFACTURER'S RATING MBTU / LBS. / HR 5175 16/hr	17. NATIONAL BOARD NUMBER NB 15828	18. USAF NUMBER #1
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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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 50	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: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" 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.) TYPE "C" INSPECTION
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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.) MANUAL RESET ON LWCO DISABLED

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES SAT

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-2", 1-1 1/2"	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 7977	34. CONDITION AND HOW TESTED Test SAT. by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR test SAT.		

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

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

Yes No

3. 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

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

ASME CSD-1, CW140 REQUIRES 2 HOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET

5. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

5A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

6. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

6A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

46C. REPRESENTATIVE'S TELEPHONE NUMBER

ACTION TAKEN ON RECOMMENDATIONS

7. DATE AND ACTION TAKEN OR TO BE TAKEN

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

CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. [Signature] 67513

50. DATE OF SIGNATURE

12 NOV 2003

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. Knok</i>	2A. CITY
3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>
5. PLANT OR BLDG. <i>6578</i>	
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION
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>
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>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>5175 16/hr</i>
17. NATIONAL BOARD NUMBER <i>NB15829</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	25. LAST HYDROSTATIC TEST
<input type="checkbox"/> New <input type="checkbox"/> Retest <input type="checkbox"/> Repair	Date: <i>UNK</i> PSI:
26. HYDROSTATIC TEST	26. HYDROSTATIC TEST
<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)

REPLACED 1 1/2" 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.)

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.)

MANUAL RESET ON LWCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES

SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1 1/2"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>7,977</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.</i>		
41. ASME CODES			

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

INSPECTOR STATEMENT

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

Yes No

3. 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

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

ASME CSD-1, CW40 REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fried LAURENCE

45A. SIGNATURE OF INSPECTOR

Fried Laurence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters For Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Singh GS 13

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6580</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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>30</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>BURNHAM</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>6,900 lb/hr</i>	17. NATIONAL BOARD NUMBER <i>NB15831</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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)
Replaced both 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.)
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.)
MANUAL RESET ON LWCO disabled

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>8709</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.</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, CW140 REQUIRES 2 LOW WATER FUEL CUT-OFF DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Rich Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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. Knox</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6580</i>
6. DATE OF INSPECTION <i>11-10-03</i>	7. DATE OF LAST INSPECTION	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 type="checkbox"/> Unmanned		
11A. PRESSURE PREVIOUS INSPECTION <i>0</i>	11B. PRESSURE THIS INSPECTION <i>30</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>oil</i>	14. DESIGN WORKING PRESSURE OR TEMPERATURE <i>150</i>			
15. MANUFACTURER <i>Burnham</i>	16. MANUFACTURER'S RATING MBTU /LBS. / HR <i>6,900 1A/HR</i>	17. NATIONAL BOARD NUMBER <i>NB 15830</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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)
Replaced both 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.)
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.)
MANUAL RESET ON LUCO disabled

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
SAT.

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: <i>1-2", 1-1/4"</i>	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: <i>8709</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</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, CW140 Requires 2 Low Water Fuel Cut-out devices. One must be equipped with a manual reset

45. TYPE OR PRINT NAME OF INSPECTOR

Fred Lawrence

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters

FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

GS13

12 NOV 2003

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

2. INSTALLATION <i>FT. KNOX</i>		2A. CITY	3. STATE <i>KY</i>	4. ZIP CODE <i>40121</i>	5. PLANT OR BLDG. <i>6580</i>
6. DATE OF INSPECTION <i>11-10-03</i>		7. DATE OF LAST INSPECTION	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>32</i>	12A. YEAR BUILT <i>UNKNOWN</i>	12B. YEAR INSTALLED <i>UNKNOWN</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>Buchan</i>	16. MANUFACTURER'S RATING MBTU / LBS. / HR <i>2760 16/HR</i>	17. NATIONAL BOARD NUMBER <i>15819</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: <i>UNK</i> PSI:	26. HYDROSTATIC TEST <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.)
MANUAL RESET ON LWCO disabled

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>4450</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</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 CW140 REQUIRES 2 LOW WATER FUEL CUTOFF DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-10-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB 11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.,
CH, FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 FT. KNOX		2A. CITY	3. STATE KY	4. ZIP CODE 40121	5. PLANT OR BLDG. 7741
6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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 37	12A. YEAR BUILT 1997	12B. YEAR INSTALLED 1997		
13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150			
15. MANUFACTURER KEWANEE	16. MANUFACTURER'S RATING MBTU / LBS. / HR 2678 16/HR	17. NATIONAL BOARD NUMBER NBS4841	18. USAF NUMBER #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) AUTO BURNER	21. SAFETY/RELIEF VALVES SETTING 75	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: UNK PSI:	26. HYDROSTATIC TEST <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.)
NO MANUAL RESET ON LWCO

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES
Good

INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/4"	33. TOTAL CAPACITY CFM: _____ BTU/HR: _____ LB/HR: 3594	34. CONDITION AND HOW TESTED TEST SAT by HAND
35. PRESSURE GAGES	36. CORRECTION TAKEN (if none give reason) SAT.		
37. OTHER APPLIANCES	38. CONDITION Clean & Clear		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT		

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 2 Low Water Fuel Cut-out devices. One must be equipped with a manual RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters - Form Mgr.

46A. SIGNATURE

Richard Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. TRICE, JR.
CH, FACILITIES OPER & MAINT DIV

6513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Trice, Jr.

50. DATE OF SIGNATURE

12 NOV 2003

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 K.F. KNOX	2A. CITY	3. STATE KY	4. ZIP CODE 40120	5. PLANT OR BLDG. 7741
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6. DATE OF INSPECTION 11-11-03	7. DATE OF LAST INSPECTION	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
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11A. PRESSURE PREVIOUS INSPECTION	11B. PRESSURE THIS INSPECTION 31	12A. YEAR BUILT 1997	12B. YEAR INSTALLED 1997
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13A. PRIMARY FUEL (Boiler) NAT. GAS	13B. SECONDARY FUEL (Boiler) oil	14. DESIGN WORKING PRESSURE OR TEMPERATURE 150
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15. MANUFACTURER KEWANEE	18. MANUFACTURER'S RATING MBTU / LBS. / HR 2,678 16/hr	17. NATIONAL BOARD NUMBER UB 48413	18. USAF NUMBER #2
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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) Auto Burner	21. SAFETY/RELIEF VALVES SETTING 75	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: UNK PSI:	26. HYDROSTATIC TEST <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Other (Specify)

NEW SAFETY VALVE, NEW FEEDWATER REGULATOR

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
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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.) NO MANUAL RESET ON LWCO

30. SETTINGS, LININGS, SUPPORTS AND BAFFLES Good
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INSPECTION OF SAFETY DEVICE

31. SAFETY/RELIEF VALVES	32. SIZE Number: 1-1/4	33. TOTAL CAPACITY CFM: BTU/HR: LB/HR: 3549	34. CONDITION AND HOW TESTED Test sat by hand
35. PRESSURE GAGES	36. CORRECTION TAKEN (If none give reason) SAT		
37. OTHER APPLIANCES	38. CONDITION CLEAN & CLEAR		
39. REGULATORS AND CONTROLS	40. CONDITION LWCO & FLAME SENSOR TEST SAT		

41. ASME CODES	Does plant comply with code, welding, materials, configuration, etc? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain)
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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, CWIVD REQUIRES 2 LOW WATER FUEL CUT-OUT DEVICES. ONE MUST BE EQUIPPED WITH A MANUAL RESET.

45. TYPE OR PRINT NAME OF INSPECTOR

Fred LAWRENCE

45A. SIGNATURE OF INSPECTOR

Fred Lawrence

45B. DATE OF SIGNATURE

11-11-03

45C. INSPECTOR'S NATIONAL BOARD NO.

NB11658

46. PRINT NAME AND TITLE OF REPRESENTATIVE ACCOMPANYING INSPECTOR

Richard Waters FOM: Mgr.

46A. SIGNATURE

RW Waters

46B. DATE OF SIGNATURE

11-12-03

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

PAUL E. FRYE, JR.

CH. FACILITIES OPER & MAINT DIV

62513

49. SIGNATURE OF OFFICER IN CHARGE

Paul E. Frye, Jr.

50. DATE OF SIGNATURE

12 NOV 2003