

# Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.  
It is not a part of the referenced document, and should not be used for project documentation.

U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

**DATE OF THIS VERSION:**

October 1, 2022

**TITLE OF DOCUMENT:**

Revisions to Volume 1– Steam Boilers (Steam Generating Systems)

**DATE OF VERSION BEING SUPERSEDED (old):**

August 1, 2022

**DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):**

Steam, Heating Hot Water, and Outside Distribution Systems Design Manual

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Added to paragraph 2.4.3.1 Life Cycle period, a new line iii) indicating Hot water/condensing boilers to have a useful life expectancy of 15 years. Existing line iii) becomes iv), and existing line iv) becomes line v).

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**DATE OF THIS VERSION:**

August 1, 2022

**TITLE OF DOCUMENT:**

Revisions to Volume 1– Steam Boilers (Steam Generating Systems)

**DATE OF VERSION BEING SUPERSEDED (old):**

August 1, 2021

**DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):**

Steam, Heating Hot Water, and Outside Distribution Systems Design Manual

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Added paragraph 1.1.5 Emergency Temporary Rental Boiler Connections.

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**DATE OF THIS VERSION:**

August 1, 2021

**TITLE OF DOCUMENT:**

Revisions to Volume 1– Steam Boilers (Steam Generating Systems)

**DATE OF VERSION BEING SUPERSEDED (old):**

June 1, 2021

**DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):**

Steam, Heating Hot Water, and Outside Distribution Systems Design Manual

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Removed section on Warranties

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## **DATE OF THIS VERSION:**

June 1, 2021

## **TITLE OF DOCUMENT:**

Revisions to Volume 1– Steam Boilers (Steam Generating Systems)

## **DATE OF VERSION BEING SUPERSEDED (old):**

September 1, 2016

## **DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):**

Steam, Heating Hot Water, and Outside Distribution Systems Design Manual

## **SUMMARY OF CHANGES IN THIS VERSION:**

1. Changed OCAMES to new Title of Healthcare Environment & Facilities Programs (HEFP)
2. Combustion Air Opening calculations clarified.
3. Changed NFC to NFPA
4. Clarify pipe steam pipe design pressure and temperature so they match the steam tables.
5. Limit the directional changes of safety valve vent pipes to 90 degrees.
6. Water treatment arrangement for the chemical pumps and access
7. Additional Combustible gas detectors location if propane is the secondary fuel.
8. Remove natural gas compressors and piping for gas turbine co-gen.
9. Removed 110% from the safety relief valve requirements
10. Added a lift table for loading bags of salt into the brim tank.
11. Changed chemical feed pump arrangement doing away with the mixing tank.
12. Changed the firing mode from a 4 stage control to fully modulating with manual/auto control operations.
13. Defined a non-recycling low water cut out and manual restart of the boiler.