

# Summary of Modifications/Changes in this Update

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

## **DATE OF THIS VERSION (new)**

September 1, 2015

## **TITLE OF DOCUMENT (new title if applicable):**

Domestic Water Pumps, 22 11 23

## **DATE OF VERSION BEING SUPERSEDED (old):**

January 1, 2014

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

Domestic Water Pumps, 22 11 23

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

1. Initial Spec Writer Notes – Added more instructions about the types of applications that would require the different types of pumps included in this specification.
2. 1.2 – Updated specification sections with related work.
3. 1.3 – Revised applicable publications to their latest versions.
4. 1.4.C – Revised and added manufacturer’s literature and data.
5. 1.4.H - Added submittals for training plans and instructor qualifications.
6. 1.5 – Updated and added requirements specific to the various types of pumps.
7. 1.5.D – Added Bio-Based Materials.
8. 1.6 – Added new requirements for As-Built Documentation.
9. 2.2 – Hot Water Recirculating Pump rewritten to provide more detailed specifications for each type of pump and Spec Writer Notes are added explaining when the various paragraphs are intended to be used. For example, wet rotor circulators are intended for only the smallest recirculating pump applications, and other progressively larger pumps are better suited for progressively larger recirculation systems.
10. 2.3 – Hot Water Circulating Pump rewritten to provide more detailed specifications for each type of pump and Spec Writer Notes are added explaining when the various

paragraphs are intended to be used. As in the previous section, the pump specifications are organized by progressively increasing size.

11. 2.4 – Domestic Water Pressure Booster System edited for better organization, and Spec Writer Notes are added explaining when the various paragraphs are intended to be used. For example, centrifugal pumps may be used in many applications, but vertical turbine pumps may be needed for higher pressure applications. The Spec Writer notes are also updated to match the November 2014 Design Manual requirements for multi-pump packages.
12. 2.4.B – System Operation and Configuration includes intended operation of duplex and triplex pump systems independently.
13. 2.4.C – Added Centrifugal Pump.
14. 2.4.J – Operating and Emergency Controls edited for better organization and more complete controls. Language requiring “BACnet compatible” or “open protocol” controls gateway has been removed from this paragraph. Instead, the paragraph now requires multiple contacts (e.g., in a terminal strip) for important control points - like system pressure, pump package alarms, pump run status – so that the BAS system can monitor the performance/alarms on the pump package.