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Addendum 1

Throughout the document: The use of as-received has been changed to the following:

“as-received”

Section 4.5.3.2.5: The second paragraph has been removed.

Section 5.9.5: Item b) has been changed to the following:

Once a rupture disk is removed from its holder, the rupture disk should not be reinstalled. Installation in a holder can form an imprint on the disk, and it would be difficult to reinstall the disk perfectly in the same imprint. The most likely result will be premature failure below the intended burst pressure. See 6.8.2.6.

Section 6.4.1: The section has been changed to the following:

Inspection methods and inspection/repair considerations specific to the PRD type are outlined in this section. Three general types of inspection/testing methods can be used. They are (noted with specific types):

- a) in-service visual (see 6.4.2):
 - PRV visual on-stream inspection;
 - valve identification, tag inspection;
 - post-relief event visual inspection.
- b) lift assist testing (see 6.4.3):
 - lift assist testing in place.
- c) removal of PRD and shop inspection/overhaul (see 6.4.4):
 - inspection of adjacent inlet and outlet piping;
 - initial inspection;
 - performing "as-received" set pressure (pop) test;
 - “as-received” visual inspections;
 - setting of valve set pressure;
 - checking valve for tightness.

Section 6.4.2.1: Item g) has been changed to the following:

- g) check that the bonnets of balanced PRVs are not plugged or obstructed, which could cause the accumulation of pressure in the bonnet of balanced PRVs.

Section 6.4.2.1: The Caution statement below item o) has been changed to the following:

Caution—The lifting lever shall not be operated at this time. However, the lifting lever should be inspected to ensure that it is not damaged or obstructed (by debris, wiring, zip ties, or physical limitations) to prevent it from functioning properly when required to lift/operate.

Section 6.4.2.2: The section title has been changed to the following:

Valve Identification—Tag Inspection

Section 6.4.4: The section title has been changed to the following:

Removal of PRDs and Shop Inspection/Overhauls

Section 6.4.4.2.2: The opening paragraph has been changed to the following:

Before a PRD is isolated for removal from equipment in operation, the following precautions should be taken. See 6.4.4.4 regarding inspecting the inlet and outlet piping.

Isolation block valves may be used for maintenance purposes to isolate Section VIII PRD from the equipment. Isolation block valves of any type are NOT allowed for Section I steam valves except as allowed by Section I PG-71.3.1.

Section 6.4.4.2.2: The following Caution statement has been added below item d):

Caution—A PRV should not be considered as a positive isolation valve when the equipment that it is protecting is out of service. If the PRV remains in place during this time, proper isolation block valve closure operations should take place.

Section 6.4.4.2.2: The last paragraph of the section has been deleted.

Section 6.4.4.4: The section has been changed to the following:

When a PRD is removed from service, the upstream and downstream piping is often open and available for inspection. However, where block valves are closed to enable removal of relief devices from equipment during operation, it is usually impossible to directly inspect this piping. In potential fouling services, profile radiography or other suitable NDE should be considered for piping upstream or downstream of PRVs looking for locations where fouling deposits may collect that could restrict flow or cause corrosion under deposits. The inlet and outlet piping for PRDs are considered deadlegs. See API 570 and API 574 for inspection guidance on deadlegs for the inlet and outlet piping.

Section 6.4.4.6: The section has been moved to become Section 6.4.4.8, and the affected sections have been renumbered.

NEW Section 6.4.4.6: The title has been changed to the following:

Performing “As-received” Set Pressure Test (Pop Test)

NEW Section 6.4.4.7: The title has been changed to the following:

“As-received” Set Pressure Test (Pop Test) Results

NEW Section 6.4.4.8: The first sentence has been changed to the following:

After the “as-received” set pressure test (pop test), a valve should be visually inspected to estimate its condition.

Section 6.4.4.9, first paragraph: The second sentence has been changed to the following:

If the valve has been tested at the appropriate interval set in accordance with API 510, API 570, and API 653; the guidance in 6.4.4.6 for determining the “as-received” set pressure is followed; and the results of the “as-received” test show that the valve tests properly, then disassembly of the valve for further inspection may not be required, unless a more thorough internal inspection and restoration of the valve to the “as new” condition is desired.

Section 6.9.2.1: The second paragraph has been changed to the following:

Where an inspection or test history extending over a long period of time reflects consistent “as-received” test results that coincide with the CDTP (see 6.4.4.7), where no change in service is to be made, and where no conflict in jurisdictional requirements exists, an increase in the test interval may be considered.

Section 6.9.2.4: The last paragraph has been changed to the following:

Longer inspection intervals may be possible for valves that are dismantled and overhauled. Shop inspection/overhaul provides additional data on performance and condition, which are inputs to the RBI analysis.