DESCRIPTION

PROCESS SYSTEM MANAGMENET SYSTEM, SERVER DEVICE, MANAGEMENT PROGRAM, AND MANAGEMENT METHOD

Technical Field

[0001] This invention relates to a system for managing a process system that includes a plurality of system configuration devices, a server apparatus for this management system, a program for managing this server apparatus, and a method for managing the process system.

Background Art

[0002] A process system such as a steam supply system is used to supply steam to a steam using device in a facility such as a steam plant. The steam supply system is constituted by system configuration devices such as a boiler or similar steam generation device, a transport pipe for transporting steam, a steam trap for discharging drainage, and a steam using device that uses steam. Steam plants are described in JP 2010-024899A and JP 2013-155896A.

[0003] In a steam supply system, drainage that is generated by condensation of a portion of steam causes problems such as a decrease in the operating efficiency of the steam using device. Therefore, drainage is discharged by arranging steam traps in strategic positions of the steam supply system. In order to maintain this drainage discharge function, the steam traps are regularly inspected and repaired, for example.

[0004] When the steam traps are inspected, an operator uses an examination device on the steam traps one by one, and investigates the steam leakage amount and the like. A steam trap with a large steam leakage amount is replaced with a normal steam trap, or the steam trap is repaired by replacing a portion of the components, for example. Alternatively, there are also cases where the steam traps are regularly replaced with new steam traps. The repair person specifies the relevant steam trap with reference to an area map in which the arrangement positions of the steam traps are depicted, and performs the repair work.

[0005] Such steam traps are installed at various positions in the steam

DESCRIPTION

PROCESS SYSTEM MANAGEMENT SYSTEM, SERVER APPARATUS, MANAGEMENT PROGRAM, AND MANAGEMENT METHOD

Technical Field

[0001] This invention relates to a system for managing a process system that includes a plurality of system configuration devices, a server apparatus for this management system, a program for managing this server apparatus, and a method for managing the process system.

Background Art

[0002] A process system such as a steam supply system is used to supply steam to a steam using device in a facility such as a steam plant. The steam supply system is constituted by system configuration devices such as a boiler or similar steam generation device, a transport pipe for transporting steam, a steam trap for discharging drainage, and a steam using device that uses steam. Steam plants are described in JP 2010-024899A and JP 2013-155896A.

[0003] In a steam supply system, drainage that is generated by condensation of a portion of steam causes problems such as a decrease in the operating efficiency of the steam using device. Therefore, drainage is discharged by arranging steam traps in strategic positions of the steam supply system. In order to maintain this drainage discharge function, the steam traps are regularly inspected and repaired, for example.

[0004] When the steam traps are inspected, an operator uses an examination device on the steam traps one by one, and investigates the steam leakage amount and the like. A steam trap with a large steam leakage amount is replaced with a normal steam trap, or the steam trap is repaired by replacing a portion of the components, for example. Alternatively, there are also cases where the steam traps are regularly replaced with new steam traps. The repair person specifies the relevant steam trap with reference to an area map in which the arrangement positions of the steam traps are depicted, and performs the repair work.

[0005] Such steam traps are installed at various positions in the steam