2.4.10   Process Information and Control System

1.0   Description

The process information and control system (PICS) is a digital human machine interface (HMI). It provides monitoring and control of plant systems. The PICS is non-safety related and is provided in both the main control room (MCR) and the remote shutdown station (RSS).

2.0   I&C Design Features

2.1   The PICS consists of hardware that is diverse from the safety-related hardware of the Safety Information and Control System (SICS).

2.2   The PICS consists of software that is diverse from the safety-related software of the Safety Information and Control System (SICS).

2.3   The PICS consists of displays that are diverse from the safety-related Qualified Display System (QDS) of the Safety Information and Control System (SICS).

3.0   System Inspections, Tests, Analyses, and Acceptance Criteria

3.1   Table 2.4.10-1—Process Information and Control System ITAAC specifies the inspections, tests, analyses, and acceptance criteria for the PICS.

Table 2.4.10-1—Process Information and Control System ITAAC		
Commitment Wording	**Inspection, Analysis or Test**	**Acceptance Criteria**
2.1 The PICS consists of hardware that is diverse from the safety related hardware of the SICS.	An inspection will be performed on documentation that provides an analysis on the diversity between the PICS hardware and the safety related hardware of the SICS.	A report exists and concludes that the PICS consists of hardware that is diverse from the safety related hardware of the SICS.
2.2 The PICS consists of software that is diverse from the safety related software of the SICS.	An inspection will be performed on documentation that provides an analysis on the diversity between the PICS software and the safety related software of the SICS.	A report exists and concludes that the PICS consists of software that is diverse from the safety related software of the SICS.
2.3 The PICS consists of displays that are diverse from the safety related Qualified Display System (QDS) of the Safety Information and Control System (SICS).	An inspection will be performed on documentation that provides an analysis on the diversity between the PICS displays and the safety related Qualified Display System (QDS) of the Safety Information and Control System (SICS).	A report exists and concludes that the PICS consists of displays that are diverse from the safety related Qualified Display System (QDS) of the Safety Information and Control System (SICS).