2.5.12   Communication System

Design Description

1.0   System Description

The communication system (COMS) provides intra-plant (inside buildings) and inter-plant (between buildings) communications.

2.0   Arrangement

2.1   The digital telephone system, the public address and alarm system, sound powered system, and portable wireless communication system provide station to station communication and area broadcasting between the main control room (MCR) and all the locations listed in Table 2.5.12-1—Communication Equipment Locations.

Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.5.12-2 lists the COMS ITAAC.

Table 2.5.12-1—COMS Equipment Locations

Primary Area / Location
Remote Shutdown Station
Technical Support Center
Operational Support Center
Control Rod Drive Equipment Area
Refueling Platform Area
Turbine Generator Operating Area
Emergency Diesel Generator Operating Areas

1. Equipment is located in various rooms of the Safeguard Buildings, Emergency Power Generation Buildings, and Essential Service Water Pump Buildings.

Table 2.5.12-2—Communication System ITAAC

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
2.1	The digital telephone system, the public address and alarm system, sound powered system, and portable wireless communication system provide station to station communication and area broadcasting between the MCR and the locations listed in Table 2.5.12-1.	Tests will be performed to verify that the digital telephone system, the public address and alarm system, sound powered system, and portable wireless communication system provide station to station communication and area broadcasting between the MCR and the locations listed in Table 2.5.12-1.	a. The digital telephone system, public address and alarm system, and the sound powered system, and portable wireless communication system exist in the MCR and the locations listed in Table 2.5.12-1. b. Voice transmission and reception via the digital telephone system and sound powered system is verified between the MCR and the locations listed in Table 2.5.12-1. c. The broadcasting of voice messages from the MCR to the locations listed in Table 2.5.12-1 via the public address and alarm system is verified. d. Voice transmission and reception via the portable wireless communication system is verified between the MCR and the locations listed in Table 2.5.12-1.