

2.4.21 Communication System**1.0 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 2.4.21-1—Communication Equipment Locations.

3.0 System Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.4.21-2 lists the COMS ITAAC.

Table 2.4.21-1—Communication 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

Note:

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

Table 2.4.21-2—Communication System ITAAC

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
2.1	<p>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 all the locations listed in Table 2.4.21-1.</p>	<p>Tests will be performed on the digital telephone system, the public address and alarm system, sound powered system, and portable wireless communication system.</p>	<ul style="list-style-type: none"> a. The digital telephone system, public address and alarm system, and the sound powered system equipment exist in the MCR and the locations listed in Table 2.4.21-1. 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 2.4.21-1. c. The broadcasting of voice messages from the MCR to the locations listed in Table 2.4.21-1 via the public address and alarm system is verified. Voice transmission and reception via the portable wireless communication system is verified between the MCR and the locations listed in Table 2.4.21-1.