

**2.4.21 Communication System****1.0 Description**

The communication system 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, and sound powered 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**

3.1 Table 2.4.21-2—The Communication System ITAAC specifies the inspections, tests, analyses, and acceptance criteria for the COMS.

**Table 2.4.21-1—Communication Equipment Locations**

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

**Table 2.4.21-2—Communication System ITAAC**

<p>2.1 The digital telephone system, the public address and alarm system, and sound powered 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>Inspections and tests will be performed on the digital telephone system, the public address and alarm system, and the sound powered system.</p>	<p>(1) 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.</p> <p>(2) 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.</p> <p>(3) 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.</p>
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