PROCEDURES
VALVES / GENERAL

1.0 PURPOSE

It is the purpose of this section to introduce the basic types of valves utilized by the Operator and to establish procedures for the installation, operation, and maintenance of valves in the operators system.

The operator shall identify those **Key Isolation Valves** in its system to be utilized for emergency shut-down of the system. The Operator has established a gas system isolation plan for this purpose.

1.1 SCOPE

A. General design
B. Types
C. Installation
D. Maintenance
E. Operations

1.2 GENERAL DESIGN

A. All valve installations will be consistent with the following procedures and documented on appropriate forms to record manufacturer, valve type, flange or weld neck, materials, model number, serial number and valve location.

B. All new sealant injected valves must have packing grease purged out and valve sealant injected at time of installation. Check valve for proper operation after installation is complete. **Use only the valve manufacturer's recommended sealant in the appropriate type valve.**

C. It is recommended that all buried valves include raised heads extensions with 2 inch square head wrench adapter. This will limit variations in valve wrenches required for proper valve operation.

D. Flanged neck valves are approved for aboveground or vault installation only and shall not be buried.

1.3 TYPES OF VALVES

PROCEDURES
VALVES / GENERAL

The Operator utilizes the following valves in its distribution system. The choice of a valve for a particular location depends on the valve's construction, the design pressure to which it will be subjected and the designed use for the valve.

A. Buried main line valve installations shall be full opening ball valves:
- PE ball valves
- Steel ball valves

B. Aboveground and vault installations may include:
- Steel plug valves
- Steel ball valves
- Needle Valves – Steel

C. Buried service line valve installations may include:
- PE or steel ball valves
- PE or steel excess flow valves

D. Each service line riser shall include an approved stopcock.