



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

ENGINEERING STANDARD
FOR
DRINKING WATER SYSTEM

NPCS-ES-GC-12

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1

SCOPE

This standards covers the minimum basic engineering design requirements of drinking water system in an industrial complex.

2

CODES AND STANDARDS

- American Water Works Association (Safe Drinking Water Standard).
- WHO Standard for Drinking Water.
- US Public Health Standards.
- ASTM American Standard for Testing of Materials.
- API National Petroleum Institute.
- National Standard Plumbing Code.

3

DESIGN DATA

3.1

WATER REQUIREMENT

Water requirement shall be calculated on the following basis:

Plant service : 30 gallons/capita/day.

3.2

WATER STORAGE

Drinking water storage for at least 6 hours shall be provided in a overhead tank for further distribution.

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