

Louisiana Standards Forum

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Louisiana Public Water Systems

- 1,378 Public Water Systems in the State
 - 1,033 systems serve communities
 - 345 systems serve non-communities
 - 1,278 systems use ground water
 - 100 systems use surface water

Population served	Community	Non-community
> 100,000	7	0
50,000 - 99,999	8	0
10,000 – 49,999	52	0
500 – 9,999	563	75
< 500	403	270

Treatment Type	Number of Systems
Chloramines	85
Chlorine Gas	629
Chlorine liquid	643
Chlorine Dioxide	22
Ozone	6
Fluoridation	33
Membranes	4
Proposed UV	3



Louisiana Standards Committee

- Mission – to develop the Louisiana standards to be placed within the State Sanitary Code for water works construction, operation, and maintenance by August 2014.

Committee members represent:

- DHH – OPH (2)
- Louisiana Municipal Association (2)
- Louisiana Rural Water Association (2)
- Police Jury Association of Louisiana (2)
- Louisiana Engineering Society (2)
- Southwest Section of American Water Works Association (2)
- National Association of Water Companies (2)
- Louisiana Section of American Society of Civil Engineers (2)
- Louisiana Environmental Action Network (1)



Louisiana Standards Committee

- Meet monthly to develop construction, operation, and maintenance standards applicable to Louisiana Public Water Supplies. 2012 Ten State Standards will be used as basis.
- Committee meetings are subject to the Louisiana Open Meetings Law and shall be held at DHH headquarters in Baton Rouge.
- Committee meeting information can be found at: www.dhh.la.gov/watercommitte.
- Forums will be held for each of the following Parts to allow for public comment:
 - Part 1 - Submission of Plans
 - Part 2 - General Design
 - Part 3 - Source Development
 - Part 4 - Treatment
 - Part 5 - Chemical Applications
 - Part 6 - Pumping Facilities
 - Part 7 - Finished Water Storage
 - Part 8 - Distribution System Piping and Appurtenances
 - Part 9 - Waste Residuals
 - Part 10 - Backflow Prevention
 - Part 11 - Forward



Part 1 SUBMISSION OF PLANS

1.0 GENERAL

1.1 ENGINEER'S REPORT

- 1.1.1 General Information
- 1.1.2 Extent of water works system
- 1.1.3 Justification of project
- 1.1.4 Soil, groundwater conditions, and foundation problems
- 1.1.5 Water use data
- 1.1.6 Flow requirements
- 1.1.7 Sources of water supply
- 1.1.8 Proposed treatment processes
- 1.1.9 Sewerage system available
- 1.1.10 Waste disposal
- 1.1.11 Automation

- 1.1.12 Project sites

- 1.1.13 Financing

- 1.1.14 Future extensions

- 1.1.15 Technical, Managerial, and Financial Capacity

1.2 PLANS

- 1.2.1 General layout

- 1.2.2 Detailed plans

1.3 SPECIFICATIONS

1.4 DESIGN CRITERIA

1.5 REVISIONS TO APPROVED PLANS

1.6 ADDITIONAL INFORMATION REQUIRED



Provide Comments

- **1.0 GENERAL**
 - **Delete section 1.0 in its entirety. Each funding agency has its own requirement for financial and planning information. Small projects do not require such extensive information or engineering reports.**
 - **In the introductory paragraph of the “1.0 General” section delete the sentence beginning with “Preliminary plans and the engineering report.....”**



- 1.0.a engineer's report, where pertinent
 - **Delete this subparagraph a in its entirety**
- 1.0.c operation requirements, where applicable
 - **Delete this subparagraph c in its entirety**
- 1.0.d general layout
 - **Delete this subparagraph d in its entirety**



- 1.0.g cost estimates
 - **Delete this subparagraph g in its entirety**
- 1.0.j other information required by reviewing authority
 - **Delineate what “other information as required……. “is**



- **1.1 ENGINEER'S REPORT**

- **Delete sections 1.1 in its entirety. Each funding agency has its own requirement for financial and planning information. Small projects do not require such extensive information or engineering reports.**

- **1.2 PLANS**

Plans for waterworks improvements shall, where pertinent, provide the following:

- **Delete or define “where pertinent”.**



- 1.2.1.l location and nature of existing water works structures and appurtenances affecting the proposed improvements, noted on one sheet
 - **Delete the words “noted on one sheet”.**
- 1.2.2.a stream crossings, provide profiles with elevations of the stream bed and the normal and extreme high and low water levels
 - **Add to this paragraph - “Crossings that are to be directional drilled below the bottom of the channel need not show the extreme high water level.”**



- 1.2.2.f plat and profile drawings of well construction, showing diameter and depth of drill holes, casing and liner diameters and depths, grouting depths, elevations and designation of geological formations, water levels and other details to describe the proposed well completely
 - **Delete from this paragraph "elevations and designation of geological formations". Such information is usually not available until after the electronic log is run.**



- 1.3.b laboratory facilities and equipment
 - **Add to this paragraph: "for all new plants."**

- 1.4.l feeder capacities and ranges
 - **Add the word "Chemical" to the beginning of this sentence.**



- **General Comments for Part 1**
 - **Part 1, or either the Foreword must include a determination of when an approval from DHH is required. For example, does the change out of a 50 year old filter valve with a new valve and actuator require DHH approval? Does the change out of filter media in a filter require DHH approval if the existing media has become worn and rounded and must be replaced? Does replacement of a single chemical feed pump require DHH approval? Specifically, what constitutes a "project" that requires DHH approval. Does replacement in-kind warrant DHH approval?**

- Cont'd



- **The newly developed Louisiana Standards generally should be applied prospectively and should not be applied wholesale to public water systems that have already been approved for operation by the Department.**
- **The Louisiana Standards should be designed in a way that provides the Department maximum flexibility to waive, or otherwise reduce the impact of any particular provision of the Louisiana Standards when reasonable to do so. The Louisiana Standards should include specific provisions that provide the Department this flexibility**

