



STATE OF WISCONSIN
Department of Safety and Professional Services

SAFETY AND BUILDINGS DIVISION
Gas Systems
141 NW Barstow St, 4TH Floor
Waukesha, WI 53188-3789

Governor Scott Walker Secretary Dave Ross

TTY: Contact Through Relay

August 10, 2012

TO: Potential Plan Designers for Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG), Liquid Natural Gas (LNG), Anhydrous Ammonia (NH₃) Tanks and Systems, Gaseous Hydrogen (H₂) and Liquefied Hydrogen Systems (H₂) including any related Dispensing Systems.

FROM: Department of Safety and Professional Services, Safety and Buildings Division

SUBJECT: PLAN SUBMITTAL PROCEDURES

Under Chapters SPS 340.30 for LPG, LNG, CNG, Hydrogen Systems including dispensing systems and Chapter SPS 343.10 for NH₃ of the Wisconsin Administrative Codes, plans must be submitted with applicable fees per SPS Chapter 302 for acceptance and prior to commencing construction. The electrical requirements must comply with Chapter SPS 316 electrical but are not addressed during this plan examination. Since this is an attempt to provide a "general" guideline for plan submittal in "several" program areas, designers should reference all applicable code sections for details that may not be listed below. Additional information may be requested for the approval process.

Important Notice:

Installer/contractor should review our new District Inspector Map included below with these procedures as our website has two different application forms SBD-6038 for Gas and NH₃ Systems Installations as follows:

- A. An application for District # 3, a contracted Inspection District that requires only the \$300.00 fee for plan review. The inspection fees are required by contract to be separately invoiced by the assigned state service agent of \$400.00 for two visits, Initial and final. There may be additional costs Of \$80.00 per/hr if not completed within the two inspections.
- B. An application for Districts #1, 2, 6 and 7 that requires the \$700.00 fee which covers the combined \$300.00 for plan review and \$400.00 for inspections per Fee Schedule, SPS 302.12 for NH₃ and SPS 302.44 for Gas systems.

A plan submittal package should include:

- 1. APPLICATION **Complete Application Form SBD-6038** (See above Important Notice at "A or B")
LPG, LNG, CNG, Hydrogen Systems & NH₃ storage systems:
- 2. PLANS **Submit four (4) sets of scaled plans as required.**
Recommend scale minimum 1" = 20 feet. NOTE: For NH₃ plans, plot plan showing land use within 2000 feet does not require minimum scale but should indicate land use within 2000 foot radius drawn on such drawing.
- 3. FEES **Enclose either the \$300 for District #3 or the \$700 fee for all other Districts.**
Make checks payable to Safety and Buildings Division
Note: Inspection fees for more than 2 site inspections shall be in accordance with s. SPS 302.04.
- 4. SPECIFICATIONS **Submit (2) copies of all applicable specifications**
Include materials, piping (welded or threaded), all valves, fittings, hoses, check/excess flow valves, corrosion protection where applicable and etc
- 5. CALCULATIONS **Provide the size, capacity and surface area of each tank** (calculate if not provided on nameplate or MDR info), and state the system design pressure
- 6. NAME & ADDRESS **Indicate Owner, Designer / Installer and Facility on application**
- 7. TANK SUPPORTS **Provide details** such as clearances, type of venting, pressure relief used with combined capacity on each container, foundation design and support with plan drawings

8. DISPENSERS

Show Location of emergency controls, location of dispensers and details of dispensing devices are needed on plans

In addition to the above, scaled plans should be clear, legible and permanent, include names of adjacent streets, alleys, railways and highways, indicate property and lot lines in all directions, show all buildings on property with type of construction, the layout of buildings, containers, loading and unloading docks and any body of water within 150 feet of the containers must be identified. Welded piping requires ASME qualified welders w/ welding documentation.

Please send your complete plans and information to:

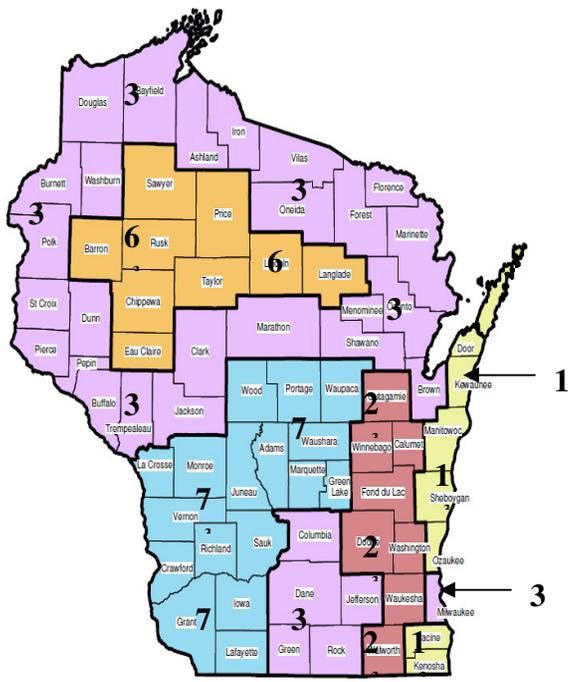
DSPS, SAFETY AND BUILDINGS DIVISION
 GAS SYSTEMS
 141 NW BARSTOW STREET, 4th FLOOR
 WAUKESHA WI 53188

Call 262-548-8617 for further information or assistance.

NOTE 1: Chapter SPS 340 Gas Systems Effective September 1, 2011, LPG, LNG, CNG, Hydrogen Systems, and Dispensing System, plans are reviewed in accordance with Chapter SPS 340 and specific adopted standards.

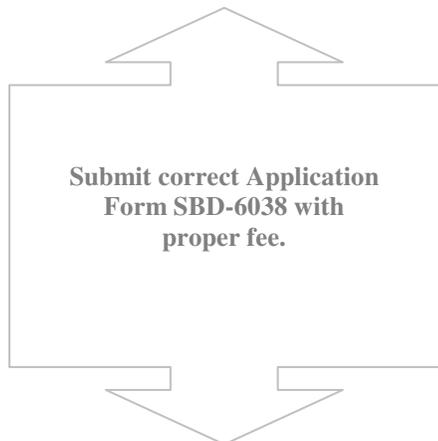
NOTE 2: Chapter SPS 343, Anhydrous Ammonia Effective October 1, 2000 Anhydrous Ammonia plans are reviewed in accordance with Chapter SPS 343, which includes adoption of ASME/ANSI K61.1 1999 edition.

NOTE 3: Visit our website for specific program details via the internet @ <http://dps.wi.gov/sb/SB-DivProgramsListed.html>



District #3

For Gas System & NH₃ installations in District #3, the **plan review fee is \$300** and per contract, the inspection fee will be invoiced separately by the state service agent.



Other Districts

For Gas System & NH₃ installations in Districts 1, 2, 6 & 7, the **plan review fee is \$700** (\$300.00 for plan review & includes the \$400.00 inspection fees as required per Fee Schedule, SPS 302.44

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|---|---|--|
| <u>District 1</u>
Dave Homan
262-424-1471 | <u>District 2</u>
Terence Waldbillig
414-303-8575 | <u>District 3</u> - includes
Milwaukee County
Damarc-S
866-361-4321 |
| <u>District 6</u>
Duane Leetch
715-559-8817 | <u>Waukesha Office</u>
Rick Merkle
Section Chief | <u>District 7</u>
Dean Yourchuck, Jr
608-235-0607 |

