

## GENERAL INFORMATION

Visit the Department of Safety and Professional Services Website:

<http://dsps.wi.gov/>



(Scroll down left column, click Safety & Buildings)

Conveniently obtain the following for view or print:

- Staff Contact Information
- Forms, Plan review application "SBD-6038"
- Code Copies, "Chapter SPS 40"
- District Inspector Map
- Credential Applications
- Individual Credential or License Check
- Search Regulated Object data



## CODE SECTION HIGHLIGHTS

### SPS 340 – Gas Systems Code

#### PLAN REVIEW REQUIRED FOR

##### \*Liquid Petroleum Gas – **LPG**

Containers over 2000 gallon capacity  
Aggregate over 4000 gallon capacity

##### \*Compressed Natural Gas – **CNG**

No size limitations

Note exception: No CNG plan review required if outdoors with no storage capacity

##### \*Liquid Natural Gas – **LNG**

No size limitations

##### \*Hydrogen – Liquefied **H<sub>2</sub>**

Storage system capacity over 39.7 gal

##### \*Hydrogen - Gaseous **H<sub>2</sub>**

Storage system capacity over 400 cu ft

Note: Hydrogen systems for other than fuel gas may require compliance with SPS 341 or NFPA 55.

##### \*Adopted Standards

NFPA 30A – Vehicle-fuel Dispenser Sys  
NFPA 52 – H<sub>2</sub> and CNG  
NFPA 54 - Fuel Gas Code  
NFPA 58 – LPG  
NFPA 59A – LNG  
ANSI/ASME B31.3, Process Piping

#### SUBMIT APPLICATION FORM & PLANS

##### \*SBD-6038 – Install application and plans

Scaled plans per SPS 340.30  
Indicate roads and property lines  
Foundation – pier, bulkhead, supports  
Piping schematic w/materials  
Vessel information – provide MDR  
Surface area of vessel  
Pressure relief set/capacity

\*Site Inspection necessary after plan approval  
Contact District Inspector

#### LPG - NO PERMIT TO OPERATE REQUIRED

### LPG LICENSE REQUIRED - SPS 305.73

Liquefied Gas Supplier  
Liquefied Gas Supplier – Restricted

### SPS 343 – Anhydrous Ammonia

#### PLAN REVIEW REQUIRED

\*Anhydrous Ammonia Storage  
No size limitations

\*Adopted Standards  
ANSI / K 61.1 – NH<sub>3</sub>  
ANSI / ASME B31.3 – Piping

#### SUBMIT APPLICATION FORM & PLANS

##### \*SBD-6038 – Installation application form

Scaled plans per SPS 343.10  
Indicate roads and property lines  
Foundation – pier, bulkhead, supports  
Piping schematic w/materials  
Vessel information – provide MDR  
Surface area of tank  
Pressure relief set/capacity

\*Site inspection necessary after plan approval  
Contact District Inspector

#### NH<sub>3</sub> - PERMIT TO OPERATE REQUIRED

\*Anhydrous ammonia storage ..... every 3 yrs.  
External inspection performed  
\*Nurse tank inspection ..... every 3 yrs.  
External inspection performed-no PTO

NOTE: Precautions should be taken to prevent theft of anhydrous ammonia for illicit purposes at both storage facility dealerships and remote farm field locations.

### WELDING, REPAIR & ALTERATION INFO

#### GAS SYSTEM VESSELS

\*Vessel nameplate shall be stamped ASME

\*Obtain Manufacturer's Data Report "MDR"

Contact NB @ 1-614-888-8320 for copy  
Prior to call, get data from nameplate:

- Manufacturer name
- Year built
- National Board / serial #

"Welded repair & alteration per SPS 341



Adopts Nat'l Board Inspection Code  
R-1, R-2 forms completed by Repair Co  
Register forms with National Board

\*GAS SYSTEM Piping fabrication & welding



Inspection prior to start of fabrication  
Materials, valves & fittings to meet B31.3  
ASME welder documentation at site

- WPS– weld procedure specification
- PQR– procedure qualification record
- WPQ– welder performance qualification
- Welder's Continuity log

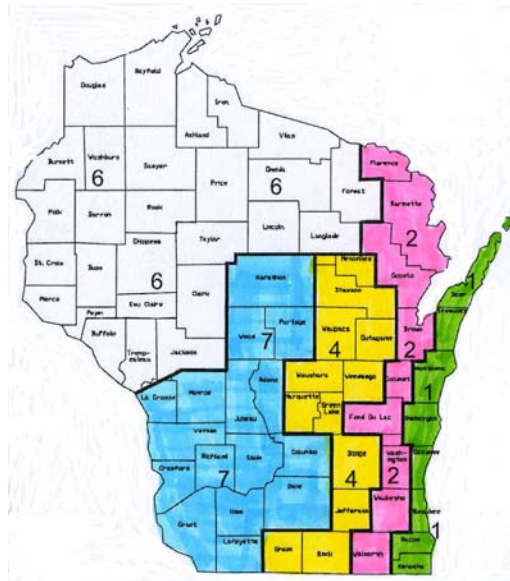
### PLAN SUBMITTAL / ASSISTANCE

To: DSPS – Safety & Buildings Division  
141 NW Barstow St, 4<sup>th</sup> Floor  
Waukesha, WI 53188

Contact: Mike Verhagen  
Telephone 262-548-8617  
Fax 262-548-8614

Email [mike.verhagen@wisconsin.gov](mailto:mike.verhagen@wisconsin.gov)

### District Inspector Map



### Inspection Districts

<b>District 1</b> David Homan 262-424-1471	<b>District 2</b> Terence Waldbillig 414-303-8575	<b>District 4</b> Jon Wolf 920-723-0032
<b>District 6</b> Duane Leetch 715-559-8817	<b>District 7</b> Dean Yourchuck 608-235-0607	<b>Waukesha Office</b> Section Chief Rick Merkle 262-521-5065



# GAS SYSTEMS AND Anhydrous Ammonia (CNG-H2-LNG-LPG-NH3)

Safety and Buildings Division  
201 W Washington Avenue 4<sup>th</sup> Floor  
Madison WI 53703



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