

## GENERAL INFORMATION

Visit the Department of Safety and Professional Services Website:

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

After entering the website above, click on Programs and select Gas Systems from the A-Z Program List

You can now conveniently obtain for view:

- Gas Codes / Statutes
- Code Copy, "Chapter SPS 340"
- Gas Systems Forms
- Plan Application Form "SBD-6038"
- Join email group for code updates



## 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 and 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 require compliance with SPS 341 / NFPA 55.

\*Adopted Standards

NFPA 30A - Liquefied Petroleum Gas  
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 PLANS & APPLICATION FORM

\*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 PLANS & APPLICATION FORM

\*SBD-6038 – Installation application

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 begin fabrication  
Materials, valves & fittings meet B31.3  
ASME welder documentation at site

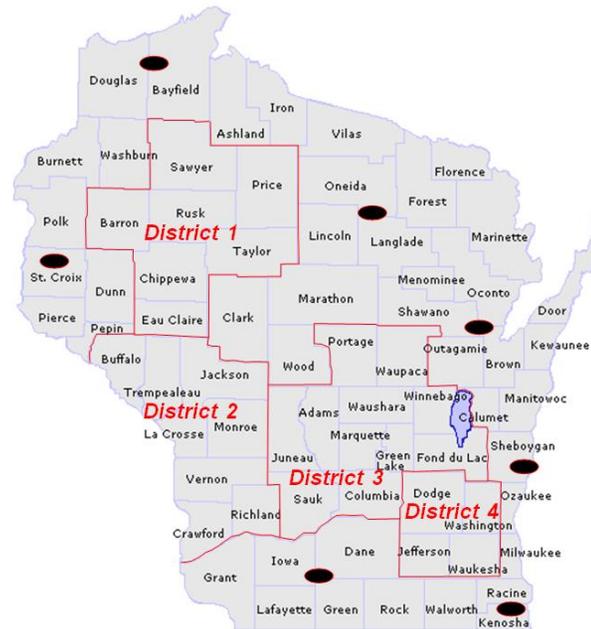
- WPS– weld procedure specification
- PQR– procedure qualification record
- WPQ– welder performance qualification
- Welder's Continuity log

## PLAN SUBMITTAL / ASSISTANCE

DSPS – Division of Industry Services  
141 NW Barstow St, 4<sup>th</sup> Floor  
Waukesha, WI 53188

Email: [DSPSSBBoilerTech@wisconsin.gov](mailto:DSPSSBBoilerTech@wisconsin.gov)

### Inspection Districts



		Phone	Fax
1 - Damarc			
2 - Damarc			
3 - Michael J. Schmidt	<a href="mailto:MichaelJ2.Schmidt@Wisconsin.gov">MichaelJ2.Schmidt@Wisconsin.gov</a>	920-360-2193	608-283-7433
4 - Terence Waldbillig	<a href="mailto:Terence.Waldbillig@Wisconsin.gov">Terence.Waldbillig@Wisconsin.gov</a>	414-303-8575	608-283-7429
Supervisor	Kim Schmitt	<a href="mailto:Kim.Schmitt@Wisconsin.gov">Kim.Schmitt@Wisconsin.gov</a>	262-524-3950
Submit general questions to:		<a href="mailto:DspSbBoilerTech@wisconsin.gov">DspSbBoilerTech@wisconsin.gov</a>	

● Contact Damarc Quality Inspection Services LLC (866-361-4321) for inspections outside of districts.

For assistance in your area, call the assigned Staff.



# GAS SYSTEMS AND Anhydrous Ammonia (CNG - H<sub>2</sub> - LNG - LPG - NH<sub>3</sub>)

Division of Industry Services  
14822 Madison Yards Way  
Madison WI 53705



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