



Labour and Advanced Education  
Technical Safety Division

## *Fuel Safety Regulations*

# Fuel Safety Bulletin

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**ISSUED BY: Paul Fowler, Chief Fuel Safety Inspector**

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**SUBJECT: Propane Container Vaporization Rates**

This office has recently completed a review of the currently accepted propane container vaporization rates, which are found in Fuel Safety Bulletin 2003-03.

Because of this review vaporization rates have been changed, as shown in the following table. Almost all sizes of containers now have a slightly higher vaporization rate and we have expanded the list of container sizes, as well as adding vaporization rates for underground containers. These rates were determined by using the formula found in Table J.10 of the CSA B149.2-10 Code and the dimensions of common propane containers. The values in this table will be used for permit approval going forward.

For vaporization capacities of containers not listed please contact this office.

For any questions regarding this Bulletin, please contact me at our Dartmouth offices.

All Fuel Safety Bulletins can be viewed online at: <http://www.gov.ns.ca/lae/fuelsafety/fuelbulletins.asp>

**Paul Fowler**  
**Chief Inspector, Fuel Safety**

# Tank and Cylinder Vaporization Capacities

## Above Ground Tank and Cylinder BTU Limits

Tank or Cylinder Size	Heating Application BTU (includes generators and other engines)	Non-Heating Application BTU
100LB	52,875	92,531
200LB	75,600	132,300
420LB/ 123 USWG	103,500	181,125
250 USWG	211,500	370,125
325 USWG	267,750	468,563
500 USWG	333,000	582,750
1000 USWG	590,400	1,033,200
1450 USWG	725,400	1,269,450
1750 USWG	864,000	1,512,000
1885 USWG	907,200	1,587,600
2000 USWG	1,000,913	1,751,597
2900 USWG	1,044,000	1,827,000

## Below Ground Tank BTU Limits

Tank Size	Heating Application BTU (includes generators and other engines)	Non-Heating Application BTU
250 USWG	260,000	455,000
320 USWG	320,000	560,000
500 USWG	425,000	743,750
1000 USWG	830,000	1,452,500
2000 USWG	1,200,000	2,100,000

These vaporization capacities are calculated using common tank sizes and the formula found in Table J.10 of the CSA B149.2-10 Code. For vaporization capacities of tanks/cylinders not listed please contact the Chief Inspector, Fuel Safety.