



U.S. Department
of Transportation
**Pipeline and Hazardous
Materials Safety
Administration**

1200 New Jersey Ave., S.E.
Washington, DC 20590

JUN 27 2007

Ms. Amy Morgan Bruecks
President
City Carbonic Sales & Service, Inc.
406 S.W. 4th St.
Oklahoma City, OK 73109

Ref. No. 07-0117

Dear Ms. Bruecks:

This is in further reference to my May 17 response (ref. no. 07-0082) to your letter requesting clarification of the requirements under the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180) applicable to cylinders manufactured of 6351-T6 aluminum alloy and used in self-contained underwater breathing apparatus (SCUBA), self-contained breathing apparatus (SCBA), or oxygen service. Specifically, you ask whether only these specific cylinders may be eddy current tested and marked with the VE marking as required by §§ 180.209 and 180.213, respectively.

As I stated, the answer is no. Any *aluminum alloy* cylinder may be eddy current tested and marked with the VE marking regardless of whether the test is required for the particular cylinder. For aluminum cylinders made of other than alloy 6351-T6 for which the eddy current test and marking are not required, performance of this additional test exceeds the HMR requirements and is acceptable.

I hope this additional information is helpful. Please contact this office if you have further questions.

Sincerely,

Hattie L. Mitchell
Chief, Regulatory Review and Reinvention
Office of Hazardous Materials Standards



070117

180.209
180.213



City Carbonic Sales & Service Co., Inc.
406 S.W. 4th Street
Oklahoma City, OK 73109

McIntyre
\$180.209
\$180.213
Cylinders
07-0082
0117

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April 13, 2007

Office of Hazardous Materials Standards
PHH-12
Attn: Mrs. Hattie Mitchell
400 Seventh Street, S.W.
Washington, D.C. 20590

VIA FACSIMILE: 202-366-3012

Subject: Request for a letter of interpretation

Can you please help my company with a written letter of clarification on the following issue?

CFR 49 § 180.209 Requirements for requalification of specification cylinders
(m) DOT-3AL cylinders manufactured of 6351-T6 aluminum alloy. In addition to the periodic requalification and marking described in § 180.205, each cylinder manufactured of aluminum alloy 6351-T6 used in self-contained underwater breathing apparatus (SCUBA), self-contained breathing apparatus (SCBA), or oxygen service must be requalified and inspected for sustained load cracking in accordance with the non-destructive examination method described in the following table. Each cylinder with sustained load cracking that has expanded into the neck threads must be condemned in accordance with § 180.205(i). This provision does not apply to cylinders used for carbon dioxide, fire extinguisher or other industrial gas service.

It is my interpretation that only these cylinders may be eddy current tested AND marked with the VE. Marking any cylinders other than those "manufactured of aluminum alloy 6351-T6 used in self-contained underwater breathing apparatus (SCUBA), self-contained breathing apparatus (SCBA), or oxygen service" would result in a violation upon a DOT inspection.

Is this requirement intended to be a minimum requirement? Is it an acceptable practice to eddy current test and mark all aluminum cylinders with the VE regardless of their alloy or use?

Thank you for your assistance in this matter.

Sincerely,

Amy Morgan Bruecks
President
RIN B435



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of Transportation

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Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

MAY 17 2007

Ms. Amy Morgan Bruecks
President
City Carbonic Sales & Service, Inc.
406 S.W. 4th St.
Oklahoma City, OK 73109

Ref. No. 07-0082

Dear Ms. Bruecks:

This is in response to your letter requesting clarification of the requirements under the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180) applicable to cylinders manufactured of 6351-T6 aluminum alloy and used in self-contained underwater breathing apparatus (SCUBA), self-contained breathing apparatus (SCBA), or oxygen service. Specifically, you ask whether only these specific cylinders may be eddy current tested and marked with the VE marking as required by §§ 180.209 and 180.213, respectively.

The answer is no. Any cylinder may be eddy current tested and marked with the VE marking regardless of whether the test is required for the particular cylinder. For those cylinders for which the eddy current test and marking are not required, the test exceeds the HMR requirements and is not prohibited.

I hope this information is helpful. Please contact this office if you have additional questions.

Sincerely,

Hattie L. Mitchell
Chief, Regulatory Review and Reinvention
Office of Hazardous Materials Standards