



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

SEP 11 2002

DOT-E 13020

EXPIRATION DATE: June 30, 2004.

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Bristol Bay Contractors, Inc.
King Salmon, Alaska
2. PURPOSE AND LIMITATION:
 - a. This exemption authorizes the transportation in commerce of propane in certain non-DOT specification IMO Type 5 portable tanks. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.315 and 173.243(c) in that non-DOT specification IMO Type 5 portable tanks are not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of Bristol Bay Contractors, Inc. dated April 25, 2002 submitted in accordance with § 107.105 and the public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Propane	2.1	UN1978	N/A

7. SAFETY CONTROL MEASURES:

a. Packagings prescribed are two non-DOT specification, non-insulated, portable tanks, each of which originally was designed and constructed in accordance with DOT-E 8125. The portable tanks have been modified to install a one-inch nozzle for a roto gage in accordance with an unnumbered Pacific Marine Repair drawing dated 2-14-02 on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA), and in compliance with the following:

- (1) Code--Complies with ASME Section VIII Div. 1 but not certified, and to IMO Type 5 specification.
- (2) Number of Compartments - One.
- (3) Tank Size (inches): Diameter - 94.5; Length -235.8
- (4) Thickness (inches): Shell -0 .687; Head - 0.750.
- (5) Water Capacity (U.S. Gallons) - 6,418.
- (6) Material - Carbon steel or nickel alloy steel with tensile strength - 82,300 psi, yield strength - 56,560 psi and elongation - 22%.
- (7) Design Pressure (PSIG) - 294.

Note: Design pressure means "maximum allowable working pressure (MAWP)" as used in the ASME Code.

- (8) Test Pressure, Minimum (PSIG) - 441.
- (9) Tank Surface Area (square feet) - 523.

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(10) Pressure Relief Devices - Each tank must be equipped with 2 safety relief valves in series with an outboard of one rupture disc all set to relieve at not less than the design pressure and not more than 110 per cent of the tank design pressure. Total venting capacity must be at least 1,455,000 SCFH. Additionally, the inlet of the pressure relief device must be in direct communication with vapor space at the midlength of the top centerline of the tank.

(11) G-Loadings: Vertical down 2; Vertical up 1; Longitudinal 2; and Transverse 1.

(12) Maximum Gross Weight - 61,729 pounds.

b. Each tank must be equipped with an emergency control discharge valve consisting of internal shut-off valves that are provided with remote control means of automatic closure both mechanical and thermal. The fusible element in the thermal device may not have a melting point exceeding 250°F.

c. Tank serial numbers are 35350 and 35361.

d. Each tank is authorized to be equipped with a roto-gage level indicator. Valves to this gage must be closed during transportation.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each portable tank must be plainly and durably marked on both sides near the middle, in letters and numbers at least two inches high on a contrasting background with the exemption number "DOT-E 13020".

d. When transporting liquefied compressed gases, the tank must be filled in accordance with the provisions of § 173.315.

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e. Each tank must be (i) visually inspected prior to each trip to insure that it has not been damaged on the previous trip; and (ii) retested and reinspected once every five years in accordance with § 173.32 as prescribed for DOT Specification 51 portable tanks.

f. Hydrostatic test certifications for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

g. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Director for Safety, Federal Railroad Administration.

9. MODES OF TRANSPORTATION AUTHORIZED: Cargo vessel, motor vehicle and rail freight.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel and motor vehicle used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
 - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

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12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: PTolson/DL