U.S. Department
of Transportation

Research and
Special Programs
Administration

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

MAY 1 3 2004

DOT-E 8554
(FIFTEENTH REVISION)

EXPIRATION DATE: November 30, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Orica USA Inc.
Watkins, Colorado

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in bulk of certain Division 1.5D explosives, and/or Division 5.1 oxidizers in motor vehicles described in Paragraph 7. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in the development of this exemption only considered the hazards and risks associated with the transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Material Table Column (8c) insofar as Division 1.5D explosives may not be transported in bulk packagings; and §§ 173.62, 173.240, 173.242, 176.83, 176.415 and 177.848(d) insofar as Division 1.5D may not be transported in the same motor vehicle with Division 5.1 oxidizers.

5. BASIS: This exemption is based on the application of Orica USA, Inc. dated February 12, 2004, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	**Hazard Class/ Division**	**Identi-fication Number**	**Packing Group**
Ammonium Nitrate-Fuel Oil Mixtures *containing only prilled ammonium nitrate and fuel oil.*	1.5D	NA0331	II
Ammonium Nitrate, *with not more that 0.2 percent of combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance.*	5.1	UN1942	III
Explosive, Blasting, type B *or* Agent blasting, Type B	1.5D	UN0331	II
Explosive, blasting type E or Agent blasting, Type E	1.5D	UN0332	II
Hypochlorite solution	8	UN1791	II
Oxidizing liquid, n.o.s	5.1	UN3139	II
Oxidizing solid, n.o.s.	5.1	UN1479	III

NOTE: Products classified as Blasting explosives or oxidizing substance, liquid must be specifically identified to and acknowledged in writing by the Office of Hazardous Materials Exemptions and Approvals (OHMEA) prior to the first shipment.

7. PACKAGING AND SAFETY CONTROL MEASURES:

a. Pick-up tank truck shown on drawing D-10052 (5/3/73) and described on Specification Sheet dated 7/19/73.

b. Pump truck shown on drawing SW 80 MC 17 (2/29/80).

c. Pump truck shown on drawing PRDL-5-3424 (8/1/79).

d. Tank trailer shown on drawing UND 173801 M-1 (10/12/64), UND 173801 M-3 (10/16/64) UND 173801 M-4 (10/16/64), and A 670 E3161 (11/29/55).

e. Specification DOT 406, 407 and 412 cargo tanks and DOT Specification MC 306, MC 307 and MC 312 cargo tanks. These tanks are not required to have internal self-closing shut-off valves as required by sections 178.341-5, 178.342-5 and 178.343-5.

f. Cargo tanks identified in E. I. Dupont's letter dated August 21, 1984 shown on drawings PRDL-5-3764, PRDL-5-3745, PRDL-5-3748 and PRDL-5-3749.

g. Non-DOT specification cargo tanks manufactured prior to May 11, 2004 with the following serial/vehicle numbers: TK900183-5016-1; IM2AA05YXLW004862; 1TK997339-1368; 1HTZR00076HA44348; TK900183-5016-2; YXD02114-517306; TK902063-6455; and 1TK997340-1370.

h. Other motor vehicles specifically identified to, and acknowledged in writing by, the OHMEA prior to the first shipment are also authorized.

i. The following packagings are authorized for the Class 8 hazardous materials:

(i) Non-specification metal-plastic composite containers shown in ETI Drawing No. F-4752(Revision 1) which is suitable for the transportation of UN1791, Packing Group II liquids. Drawing is on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

(ii) Non-specification metal containers of similar design which have been authorized in writing by the Associate Administrator for Hazardous Materials Safety prior to first shipment may also be used.

(iii) The containers must have a net volumetric capacity of not more than 430 liters (111 gallons) and must be permanently mounted in the motor vehicle cargo area. The container may not have a common wall with other compartments or tanks containing Division 1.5 explosive materials or Division 5.1 liquid oxidizing materials.

8. SPECIAL PROVISIONS:

a. Each cargo tank used under this exemption is authorized only when it is used in dedicated service for the materials listed in paragraph 6.

b. Each cargo tank must be reinspected and retested in accordance with § 180.407. Pneumatic testing is authorized in place of the required hydrostatic test.

c. 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.

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

e. MARKING - Each cargo tank must be plainly marked on the right side near the front, in letters at least two inches high on a contrasting background, "DOT-E 8554".

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel.

10. MODAL REQUIREMENTS:

a. Only DOT specification cargo tanks described in paragraph 7.e. are authorized for shipment by cargo vessel.

b. Shipment by highway is limited to transportation by private carriage only, or to common or contract carriers specifically identified to, and acknowledged in writing by the OHMEA prior to the first shipment.

c. For transportation of Division 1.5D and/or Division 5.1 in cargo tanks by cargo vessel, the following must apply:

(i) The cargo tank must be stowed "on deck" only.

(ii) They must be separated from other hazardous materials in accordance with the requirements for Division 1.1D explosives. In addition, they must be stowed "separate from" non-regulated readily combustible materials, as defined in § 176.83(d).

(iii) They must be stowed in a readily accessible location which can be reached by at least two streams of water from separate fire hydrants, or if carried on an unmanned barge, by an effective stream of water from a vessel alongside.

(iv) Before the cargo tanks are loaded on or discharged from a vessel at any point in the United States,

the carrier must obtain a permit from the Coast Guard Captain of the Port. A current copy of this exemption must be provided to the Captain of the Port when requesting a permit.

d. A current copy of this exemption must be carried aboard each cargo vessel or 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:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- 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.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving fire, explosion or 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.:

MAY 1 3 2004

(DATE)

Robert A. McGuire
for Associate Administrator for
Hazardous Materials Safety

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: dl

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Alaska Pacific Powder Company Olympia, WA	Aug 30, 2004 and Sep 29, 2004	Oct 12, 2004	Nov 30, 2005
Ahlgrimm Explosives, Inc. Appleton, WI	Apr 29, 2004	May 13, 2004	Nov 30, 2005
Alpha Dyno Nobel, Inc., dba Alpha Explosives Lincoln, CA	Jun 10, 2004	Jul 27, 2004	Nov 30, 2005
American East Explosives, Inc. Atlanta, GA	Jan 28, 2004	Feb 20, 2004	Nov 30, 2005
American West Explosives, Inc. Atlanta, GA	Jan 28, 2004	Feb 20, 2004	Nov 30, 2005
Austin Powder Company Cleveland, OH	Dec 15, 2003	Feb 04, 2004	Nov 30, 2005
Austin Powder Illinois Company Cleveland, OH	Sep 17, 2004	Sep 28, 2004	Nov 30, 2005
Austin Sales, LLC Vansant, VA	Mar 1, 2004	Mar 11, 2004	Nov 30, 2005
Bed Rock, Inc. dba Tri-State Motor Transit Co. Joplin, MO	Mar 18, 2004	Apr 6, 2004	Nov 30, 2005
Bennett Explosives, Inc. Manchester, IA	Mar 22, 2004	Apr 15, 2004	Nov 30, 2005
Boren Explosive Company, Inc. Parrish, AL	Jan 27, 2004	Mar 11, 2004	Nov 30, 2005
Brandywine Explosives & Supply, Inc. Paris, KY	Feb 27, 2005	Mar 24, 2004	Nov 30, 2005
Brubacher Excavating, Inc. Bowmansville, PA	Jun 14, 2004	Jun 15, 2004	Nov 30, 2005

Company Name City/State	Application Date	Issue Date	Expiration Date
Buckley Powder Company Englewood, CO	Jan 19, 2004	Feb 20, 2004	Nov 30, 2005
Buckley Powder Company of Oklahoma, Inc. Englewood, CO	Jan 19, 2004	Feb 20, 2004	Nov 30, 2005
Controlled Blasting, Inc. Norcross, GA	Feb 19, 2004	Mar 11, 2004	Nov 30, 2005
Controlled Explosives, Inc. (CONEX) Oakland City, IN	Feb 03, 2004	Feb 20, 2004	Nov 30, 2005
D.C. Gruelich Explosive Company Clearfield, PA	Jan 08, 2004	Feb 04, 2004	Nov 30, 2005
Dole Explosives, Inc. Rosemount, MN	Mar 23, 2004	Apr 6, 2004	Nov 30, 2005
Dykon Blasting Corporation Tulsa, OK	Sep 29, 2004	Oct 19, 2004	Nov 30, 2005
Dyno Nobel, Inc. Salt Lake City, UT	May 11, 2004	May 13, 2004	Nov 30, 2005
Evenson Explosives, LLC Morris, IL	Dec 29, 2003	Feb 04, 2004	Nov 30, 2005
Explosives Contract Carriers, Inc. Branson, MO	May 13, 2004	May 13, 2004	Nov 30, 2005
Explosives Supply, Inc. Ringwood, NJ	Feb 16, 2004	Mar 11, 2004	Nov 30, 2005
Geological Technologies, Inc. Martinsburg, WV	Jul 23, 2004	Aug 11, 2004	Nov 30, 2005
Georgia Explosives, LLC Douglasville, GA	Mar 28, 2004	Apr 6, 2004	Nov 30, 2005
Golden State Explosives Atlanta, GA	Jan 28, 2004	Feb 20, 2004	Nov 30, 2005
Green Mountain Explosives, LLC. Auburn, NH	Feb 23, 2004	Mar 11, 2004	Nov 30, 2005
Havens Trucking Inc. Farmington, NM	Mar 10, 2004	Mar 24, 2004	Nov 30, 2005

Company Name City/State	Application Date	Issue Date	Expiration Date
Hermitage Explosives Corporation Nashville, TN	Feb 2, 2004	Mar 11, 2004	Nov 30, 2005
Hilltop Energy, Inc. Mineral City, OH	Dec 03, 2003	Dec 12, 2003	Nov 30, 2005
Intermountain West Energy, Inc. Boise, ID	Dec 02, 2003	Dec 12, 2003	Nov 30, 2005
Jerico Services, Inc. Indianola, IA	Mar 26, 2004	Apr 6, 2004	Nov 30, 2005
John Joseph, Inc. Ringwood, NJ	Feb 16, 2004	Mar 11, 2004	Nov 30, 2005
Kesco Southeast, Inc. Cartersville, GA	Apr 15, 2004	Apr 28, 2004	Nov 30, 2005
KESCO, Inc. Butler, PA	Feb 04, 2004	Mar 11, 2004	Nov 30, 2005
M & J Explosives, Inc. Carlisle, PA	Mar 9, 2004	Mar 24, 2004	Nov 30, 2005
M.J. Baxter Drilling Company El Cajon, CA	Feb 19, 2004	Mar 11, 2004	Nov 30, 2005
Maine Drilling & Blasting, Inc. Auburn, NH	Mar 2, 2004	Mar 24, 2004	Nov 30, 2005
Maurer & Scott, Inc. Lehigh Valley, PA	Jan 20, 2004	Feb 20, 2004	Nov 30, 2005
Miller's Blasting Service, Inc. Chana, IL	May 28, 2004	Jun 29, 2004	Nov 30, 2005
Mine Equipment & Mill Supply Company (MEMSCO) Dawson Springs, KY	Feb 03, 2004	Feb 20, 2004	Nov 30, 2005
Minnesota Explosives Company Biwabik, MN	Jan 21, 2004	Feb 20, 2004	Nov 30, 2005
Mining Services International, Inc. Salt Lake City, UT	Jun 4, 2004	Jul 27, 2004	Nov 30, 2005

Company Name City/State	Application Date	Issue Date	Expiration Date
Nelson Brothers Mining Services, LLC Birmingham, AL	Jan 21, 2004	Feb 20, 2004	Nov 30, 2005
Nelson Brothers, LLC Birmingham, AL	Jan 25, 2004	Feb 20, 2004	Nov 30, 2005
North American Quarry & Construction Services, Inc. Catskill, NY	Feb 23, 2004	Mar 11, 2004	Nov 30, 2005
Northwest Energetic Services Newport, OR	Jan 26, 2004	Mar 11, 2004	Nov 30, 2005
Olson Explosives, Inc. Decorah, IA	Jan 13, 2004	Feb 20, 2004	Nov 30, 2005
Pepin-Ireco, Inc. Ishpeming, MI	Dec 31, 2003	Feb 04, 2004	Nov 30, 2005
Pioneer Supply Corporation Whately, MA	Nov 17, 2003	Dec 04, 2003	Nov 30, 2005
Polk County Supply Co. Des Moines, IA	Jan 5 and 24, 2005	JAN 3 1 2005	Nov 30, 2005
Praxair Distribution, Inc. Danbury, CT	Apr 1, 2004	Apr 15, 2004	Nov 30, 2005
Quick Supply Company Des Moines, IA	Mar 22, 2004	Apr 6, 2004	Nov 30, 2005
R&R Trucking Incorporated Duenweg, MO	Apr 1, 2004	Apr 15, 2004	Nov 30, 2005
Sasol Southwest Energy LLC Tucson, AZ	Dec 31, 2003	Feb 04, 2004	Nov 30, 2005
SEC Investment Corporation, LLC Columbus, KS	Jul 23, 2004	Jul 27, 2004	Nov 30, 2005
Silver State Explosives Suply Las Vegas, NV	Sep 1, 2004	Oct 12, 2004	Nov 30, 2005
St. Lawrence Explosives Corporation Adams Center, NY	Jan 27, 2004	Mar 11, 2004	Nov 30, 2005

Company Name City/State	Application Date	Issue Date	Expiration Date
Tradestar Corporation West Jordan, UT	Mar 31, 2004	Mar 11, 2004	Nov 30, 2005
Vet's Explosives, Inc. Torrington, CT	Feb 10, 2004	Mar 11, 2004	Nov 30, 2005
Viking Explosives & Supply, Inc. Rosemount, MN	Jan 30, 2004	Mar 11, 2004	Nov 30, 2005
W.A. Murphy, Inc. El Monte, CA	Feb 03, 2004	Mar 11, 2004	Nov 30, 2005
Wampum Hardware Company New Galilee, PA	Jan 16, 2004	Feb 20, 2004	Nov 30, 2005
Warex, LLC Evansville, IN	Jan 11, 2004	Feb 04, 2004	Nov 30, 2005
Western Explosive Systems dba WESCO Salt Lake City, UT	Jan 14, 2004	Feb 04, 2004	Nov 30, 2005
Winchester Building Supply Company Inc. Winchester, VA	Jan 06, 2004	Feb 04, 2004	Nov 30, 2005

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Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

JAN 31 2005
Date