U.S. Department
of Transportation

Research and
Special Programs
Administration

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

MAR 3 2004

DOT-E 8451
(THIRTIETH REVISION)

EXPIRATION DATE: January 31, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: U.S. Department of Energy
Washington, DC

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

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of not more than 25 grams of solid explosive or pyrotechnic material, including waste containing explosives that has energy density not significantly greater than that of pentaerythritol tetranitrate, classed as Division 1.4E, when packed in a special shipping container. 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 § 172.320 in that the EX number need not be marked on the package, §§ 173.54(a), 173.56(b), 173.57, and 173.58 in that a new explosive need not be examined and tested in accordance with the requirements of these sections, and § 173.60 in that standard explosive packagings are not authorized.

5. BASIS: This exemption is based on the application of Department of Energy's application dated February 6, 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
Articles, explosive, n.o.s.(*)[1]	1.4E	UN0471	II

* Technical name of material being shipped
1 - Only solid explosives are authorized.

7. SAFETY CONTROL MEASURES:

a. Inside packaging must be:

(1) A 4-inch X 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 4-inch diameter forged steel end caps, 3,000 psi per ASTM 105, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN, or

(2) A 6-inch X 12 to 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 6-inch diameter malleable iron end caps with a minimum strength of 250 psi, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN.

For pipe nipples described in paragraphs a.(1) and (2), the threads must be cut so that the end caps can be screwed on a minimum of 5 threads by hand, but the caps must be tightened with a wrench.

(3) The device described in "Handling Procedure and Design of a Shipping Container for Transporting Small Samples of Dry Primary Explosives" by Harold K.H. Bartles, presented at the 12th Symposium of Explosives and Pyrotechnics on March 13, 1984 in San Diego, California, USA, which is attached to Schlumberger's application to modify the exemption dated July 7, 1988 and supplemental letter dated July 2, 1992.

(4) The packaging identified as "Model LD-2250" described in "Shipping Containers for Small Samples of High Explosives" by Richard A. Hildner and Manual J. Urizar, Los Alamos National Laboratory Report No. LA-9107-MS/UC-71, Hercules Incorporated's application dated January 14, 1993. The packaging identified as "Model LD-1000" in this same Laboratory Report may only be used if the net mass of explosives contained within does not exceed 15 grams.

b. The energetic materials must be sealed in a leak-proof receptacle centered internally in the pipe or wrapped with cushioning material to keep the energetic material away from the side walls and ends of the capped pipe container. The devices described in paragraph 7.a. must be in:

(i) A cushioned UN 4G fiberboard box, 4C wooden box, 4D plywood box;

(ii) A 4A steel box, 4B aluminum box, 4N metal (other than steel or aluminum) box;

(iii) A 1A2 removable head steel drum, 1B2 removable head aluminum drum, or 1N2 removable head metal (other than steel or aluminum) drum; or

(iv) A container that meets the requirements of the Institute of Makers of Explosives' Safety Library Publication No. 22.

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. For purposes of domestic transportation by air in accordance with § 171.11, this document also constitutes an exemption to the International Civil Aviation Organization's Technical Instructions for the Safe Transportation of Dangerous Goods in accordance with Part 1;1.1.1. This does not constitute authority to offer hazardous materials for international transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo only aircraft.

10. MODAL REQUIREMENTS:

A current copy of the exemption (Appendix A may be shortened to include the first and last pages of Appendix A and the page on which the offeror's name appears), must be carried aboard each aircraft or motor vehicle used to transport packages covered by this exemption. The shipper must furnish a current copy of this exemption to the air carrier before or at the time the shipment is tendered.

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 49 CFR 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.:

MAR 3 2004

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

(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: sln

2004020558

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
3SI Security Systems, (Former Grantee: ICI Security Sys.) Byron, GA	Mar 16, 2004	Apr 6, 2004	Jan 31, 2006
AAI Corporation Hunt Valley, MD	Jan 12, 2004	Feb 23, 2004	Jan 31, 2006
Accurate Energetic Systems, LLC McEwen, TN	Apr 26, 2004	May 25, 2004	Jan 31, 2006
Aerojet Corporation (Former Grantee: Atlantic Research Corporation) Gainesville, VA	Feb 26, 2004	Mar 15, 2004	Jan 31, 2006
Aerojet-General Corporation Redmond, WA	Feb 10, 2004	Mar 3, 2004	Jan 31, 2006
AET Environmental, Inc. Denver, CO	Mar 3, 2004	Apr 6, 2004	Jan 31, 2006
Alexza Molecular Delivery Corporation Palo Alto, CA	Apr 2, 2004	Apr 27, 2004	Jan 31, 2006
Alliant Ammunition Accessories Inc Lewiston, ID	Jun 30, 2004	Jul 12, 2004	Jan 31, 2006
Alliant Ammunition Systems Co. LLC New Brighton, MN	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
Alliant Ammunition. & Powder Co. LLC Radford, VA	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
Alliant Lake City Small Caliber Ammunition. Company, LLC Independence, MO	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
American Ordnance LLC Middletown, IA	Feb 18, 2005	Mar 3, 2004	Jan 31, 2006

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Company Name City/State	Application Date	Issue Date	Expiration Date
AMSAFE Aviation Inflatable Restraints Division Mesa, AZ	Mar 2, 2004	Apr 15, 2004	Jan 31, 2006
Applied Energy Technology Corp. Tempe, AZ	Mar 22, 2004	Jun 17, 2004	Jan 31, 2006
Applied Energy Technology Corp. Burton, TX	Mar 22, 2004	Apr 15, 2004	Jan 31, 2006
ARC Automotive, Inc. Knoxville, TN	Mar 25, 2006	Apr 15, 2004	Jan 30, 2006
Argonne National Laboratory Lemont, IL	Feb 12, 2004	Mar 3, 2004	Jan 31, 2006
Armtec Countermeasures Company (Former Grantee: BAE Systems) East Camden, AR	Jun 26, 2002	Apr 6, 2004	Jan 31, 2006
ATK Aerospace Company, Inc. (Former Grantee: Alliant Aerospace Company) Salt Lake City, UT	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
ATK Elkton LLC Elkton, MD	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
ATK Missile Systems Company LLC Woodland Hills, CA	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
ATK Ordnance & Ground Systems LLC (Former Grantee: Alliant Tech.) Plymouth, MN	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
ATK Tactical Sys. Co. LLC (Former Grantee: Alliant Missile) Hopkins, MN	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006

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Company Name City/State	Application Date	Issue Date	Expiration Date
ATK Thiokol Propulsion Brigham City, UT	Jan 07, 2004	Feb 23, 2004	Jan 31, 2006
Austin Powder Company Cleveland, OH	Feb 03, 2004	Feb 23, 2004	Jan 31, 2006
Autoliv ASP, Inc. Odgen, UT	May 21, 2006 and May 24, 2006	May 25, 2004	Jan 31, 2006
Automotive Systems Laboratory, Inc. (ASL) Armada, MI	Mar 1, 2004	Mar 15, 2004	Jan 31, 2006
BAE Systems, Ordnance Systems Inc. (Former Grantee: Ordnance Systems Inc.) Kingsport, TN	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
Baker Hughes Houston, TX	Feb 02, 2004	Feb 23, 2004	Jan 31, 2006
Battelle Columbus, OH	Feb 27, 2004	Mar 15, 2004	Jan 31, 2006
Bechtel Nevada (BN) Corporation Las Vegas, NV	Mar 9, 2004	Apr 6, 2004	Jan 31, 2006
BWXT Pantex, LLC Amarillo, TX	Mar 24, 2004	Apr 6, 2004	Jan 31, 2006
Canbridge Isotope Laboratories, Inc. Andover, MA	Apr 1, 2004	Apr 27, 2004	Jan 31, 2006
Cartridge Actuated Devices, Inc. Byram, NJ	Mar 16, 2004	Apr 6, 2004	Jan 31, 2006
Cartridge Actuated Devices, Inc. Fairfield, NJ	Mar 16, 2004	Apr 6, 2004	Jan 31, 2006
Cerilliant Corporation Round Rock, TX	Mar 15, 2004	Apr 6, 2004	Jan 31, 2006

Company Name City/State	Application Date	Issue Date	Expiration Date
Cesaroni Technology Gormley, Ontario, CA (US Agent: Cesaroni Technology Inc. (U.S.) Annapolis, MD	Jan 14, 2005	Jan 27, 2005	Jan 31, 2006
Chemical Disposal Services, Inc. Gary, IN	Jun 10, 2004	Jun 28, 2004	Jan 31, 2006
Chilworth Technology, Inc. Monmouth Junction, NJ	May 11, 2004	May 25, 2004	Jan 31, 2006
Copperhead Chemical Company, Inc. Tamaqua, PA	Feb 02, 2004	Feb 23, 2004	Jan 31, 2006
Custom Analytical Engineering Systems, Inc. Flintstone, MD	Dec 16, 2003	Apr 6, 2004	Jan 31, 2006
Day & Zimmermann Inc. Parsons, KS	Feb 2, 2004	Mar 3, 2004	Jan 31, 2006
Day & Zimmermann, Inc. Texarkana, TX	Jan 20, 2004	Feb 23, 2004	Jan 31, 2006
De La Mare Engineering, Inc. San Fernando, CA	Mar 1, 2004	Mar 15, 2004	Jan 31, 2006
Delphi Automotive Systems, Vandalia Operations (Former Grantee: Delphi Automotive Systems LLC) Vandalia, OH	Mar 2, 2004	Apr 15, 2004	Jan 31, 2006
Department of Defense Fort Eustis, VA	Feb 9, 2004	Mar 3, 2004	Jan 31, 2006
Detotec North America, Inc. Sterling, CT	Jan 18, 2005	FEB 7 2005	Jan 31, 2006
Duratek Federal Services, Inc. Richland, WA	Mar 2, 2004	Mar 15, 2004	Jan 31, 2006
Dyno Nobel Inc. Salt Lake City, UT	Feb 26, 2004	Mar 15, 2004	Jan 31, 2006

Company Name City/State	Application Date	Issue Date	Expiration Date
Eagle-Picher Technologies, LLC Joplin, MO	Mar 25, 2004	Apr 27, 2004	Jan 31, 2006
EBV Explosive Environmental Co. (Former Grantee: ICI Explosives) New Tripoli, PA	Mar 11, 2005	Apr 6, 2004	Jan 31, 2006
Electronics Development Corporation Columbia, MD	Jan 22, 2004	Feb 23, 2004	Jan 31, 2006
EMRTC New Mexico Tech Socorro, NM	Mar 25, 2004	Apr 6, 2004	Jan 31, 2006
Ensign-Bickford Aerospace & Defense Company Simsbury, CT	Jan 20, 2004	Feb 23, 2004	Jan 31, 2006
Estes-Cox Corporation, d/b/a Estes Industries Penrose, CO	May 10, 2004	May 25, 2004	Jan 31, 2006
Federal Cartridge Co. Anoka, MN	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
Flurochem, Inc. Azusa, CA	Jul 14, 2004	Jul 20, 2004	Jan 31, 2006
GE Advanced Materials Mount Vernon, IN	Feb 24, 2004	Mar 3, 2004	Jan 31, 2006
GenCorp Aerojet, Sacramento Operations Sacramento, CA	Feb 05, 2004	Mar 3, 2004	Jan 31, 2006
General Dynamics (Former Grantee: Motorola Inc.) Scottsdale, AZ	Apr 6, 2004	Apr 27, 2004	Jan 31, 2006
General Dynamics Armament and Technical Products Woodberry AR	May 19, 2004	May 25, 2004	Jan 31, 2006

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Company Name City/State	Application Date	Issue Date	Expiration Date
General Dynamics Ordnance and Tactical Systems, Inc. (Former Grantee: Primex Technologies, Inc.) St. Petersburg, FL	Mar 23, 2004	Apr 6, 2004	Jan 31, 2006
General Dynamics OTS (Niceville,) Inc. Niceville, FL (Former Grantee: General Dynamics OTS (OTI), Inc).	Mar 23, 2004 and Apr 12, 2004	May 25, 2004	Jan 31, 2006
General Dynamics OTS, Inc. Redmond, WA	Mar 1, 2004	Mar 15, 2004	Jan 31, 2006
General Electric Company Cincinnati, OH	Feb 18, 2004	Mar 3, 2004	Jan 31, 2006
General Sciences, Inc. Souderton, PA	May 5, 2004	May 25, 2004	Jan 31, 2006
Global Manufacturing Solutions, Inc. Franklin, OH	Mar 2, 2004	Apr 15, 2004	Jan 31, 2006
Gradient Technology Blaine, MN	Feb 27, 2004	Apr 6, 2004	Jan 31, 2006
Halliburton Energy Services, In. Duncan, OK	Mar 8, 2004	Mar 15, 2004	Jan 31, 2006
Hanley Industries, Inc. Alton, IL	Mar 15, 2004	Apr 6, 2004	Jan 31, 2006
Harrison Jet Guns Kennedale, TX	Mar 18, 2004	Apr 6, 2004	Jan 31, 2006
Hi-Shear Technology Corporation Torrance, CA	Jan 20, 2004	Feb 23, 2004	Jan 31, 2006
Hodgdon Powder Co. Inc. Shawnee Mission, KS	Mar 18, 2004	Apr 6, 2004	Jan 31, 2006

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Honeywell International Inc. Morristown, NJ	Mar 16, 2004	Apr 6, 2004	Jan 31, 2006
Idaho National Engineering and Environmental Laboratory Idaho Falls, ID	Jan 27, 2004	Feb 23, 2004	Jan 31, 2006
Inflation Systems, Inc. La Grange, GA	Mar 4, 2004	Mar 15, 2004	Jan 31, 2006
Inflation Systems, Inc. (WA) Moses Lake, WA	Mar 4, 2004	Mar 15, 2004	Jan 31, 2006
Jet Research Center a Division of Halliburton Energy Services, Inc. Alvarado, TX	Mar 25, 2004	Apr 15, 2004	Jan 31, 2006
Kaman Aerospace Corporation Middletown, CT	Mar 2, 2004	Mar 15, 2004	Jan 31, 2006
KAMAN Dayron, Inc. Orlando, FL	Mar 17, 2004	Apr 6, 2004	Jan 31, 2006
KDI Precision Products, Inc. Cincinnati, OH	Feb 05, 2004	Feb 23, 2004	Jan 31, 2006
Key Safety Systems, Inc. (Former Grantee: Breed Tech., Inc.) Lakeland, FL	Jan 19, 2004	Feb 23, 2004	Jan 31, 2006
Kilgore Flares Company, LLC, Toone, TN	Jun 16, 2004	Jun 28, 2004	Jan 31, 2006
Lawrence Livermore National Laboratory (LLNL) Livermore, CA	Feb 6, 2004	Mar 3, 2004	Jan 31, 2006
LifeSparc, Inc. Hollister, CA	Jan 19, 2004	Feb 23, 2004	Jan 31, 2006
Lockheed Martin Missiles and Fire Control Dallas, TX	Feb 2, 2004	Mar 3, 2006	Jan 31, 2006

Company Name City/State	Application Date	Issue Date	Expiration Date
Lockheed Martin Space System Santa Cruz, CA	Feb 02, 2004	Mar 3, 2004	Jan 31, 2006
Lockheed Martin Space Systems - Missiles & Space Sunnyvale, CA	Feb 2, 2004	Mar 3, 2004	Jan 31, 2006
Los Alamos National Laboratory Los Alamos, NM	Jan 08, 2004	Feb 23, 2004	Jan 31, 2006
Martin Electronics, Inc. Perry, FL	Dec 12, 2003	Feb 23, 2004	Jan 31, 2006
MSI Initiation Systems LLC Sterling, CT (Former Grantee: O'Brien Design Associates, L.L.C.)	Apr 29, 2004 and Nov 3, 2004	Nov 30, 2004	Jan 31, 2006
Nanotechnologies Inc. Austin, TX	Apr 6, 2004	Apr 27, 2004	Jan 31, 2006
National Aeronautics and Space Administration Houston, TX	Apr 14, 2004	Apr 27, 2004	Jan 31, 2006
Networks Electronics Chatsworth, CA	Mar 3, 2004	Mar 15, 2004	Jan 31, 2006
New River Energetics, Inc. Radford, VA	Feb 23, 2004	Mar 3, 2004	Jan 31, 2006
Northrop Grumman Air Combat Systems El Segundo, CA	Jan 26, 2004	Feb 23, 2004	Jan 31, 2006
Northrop Grumman, Electronics & Systems Div. Baltimore, MD	Feb 11, 2004	Mar 3, 2004	Jan 31, 2006
Olin Corporation, Winchester Division East Alton, IL	Feb 02, 2004	Feb 23, 2004	Jan 31, 2006

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Onyx Environmental Services, L.L.C. Flanders, NJ	Feb 9, 2004	May 25, 2004	Jan 31, 2006
Owen Oil Tools, LP (Former Grantee: Owen Oil Tools, Inc.) Fort Worth, TX	Feb 02, 2004	Mar 3, 2004	Jan 31, 2006
Pacific Northwest National Laboratory (PNNL) Richland, WA	Jan 08, 2004	Feb 23, 2004	Jan 31, 2006
Pacific Scientific Energetic Materials Company (PSEMC) Chandler, AZ	Jan 29, 2004	Feb 23, 2004	Jan 31, 2006
Pacific Scientific-Hollister Operations (Former Grantee: McCormick Selph Inc.) Hollister, CA	Mar 19, 2004	Apr 6, 2004	Jan 31, 2006
PacSci Quantic (Former Grantee: Quantic Industries, Inc.) Hollister, CA	Mar 16, 2004	Apr 6, 2004	Jan 31, 2006
Pennsylvania State University University Park, PA	Jun 1, 2004	Jun 29, 2004	Jan 31, 2006
PerkinElmer Optoelectronics (Former Grantee: EG&G Optoelectronics) Miamisburg, OH	Dec 15, 2003	Feb 23, 2004	Jan 31, 2006
PSEMC West (Former Grantee: Pacific Scientific Energy Dynamics Division) Valencia, CA	Jan 22, 2004	Feb 23, 2004	Jan 31, 2006
PyroLabs, Inc. Whitewater, CO	Dec 10, 2003	Feb 23, 2004	Jan 31, 2006

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Pyrotechnic Specialties, Inc. Byron, GA	Feb 10, 2004	Mar 3, 2004	Jan 31, 2006
QTK, Inc. Edgemont, SD	Apr 6, 2004	Apr 27, 2004	Jan 31, 2006
R3 Environmental Management, Inc. Eglin, IL	May 18, 2004	Jun 17, 2004	Jan 31, 2006
Remington Arms Company, Inc. Madison, NC	Mar 19, 2004	Apr 6, 2004	Jan 31, 2006
Reynolds Industries Systems, Inc. San Ramon, CA	Feb 12, 2004	Mar 3, 2004	Jan 31, 2006
Reynolds Systems, Inc. Middletown, CA	Mar 25, 2004	Apr 6, 2004	Jan 31, 2006
Sandia National Laboratories Albuquerque, NM	Feb 16, 2004	Mar 3, 2004	Jan 31, 2006
Sandia National Laboratories Livermore, CA	Feb 24, 2004	Mar 3, 2004	Jan 31, 2006
Schlumberger Reservoir Completions Rosharon, TX	Feb 12, 2004	Mar 3, 2004	Jan 31, 2006
Scot Incorporated Downers Grove, IL	Nov 2, 2004	Nov 16, 2004	Jan 31, 2006
Shock Tube Systems, Inc. Charlestown, RI	Apr 29, 2004	May 25, 2004	Jan 31, 2006
Sippican, Inc. Marion, MA	Mar 15, 2004	Apr 6, 2004	Jan 31, 2006
Special Devices, Inc. Mesa, AZ	Feb 27, 2004	Mar 15, 2004	Jan 31, 2006
Special Devices, Inc. Moorpark, CA	Feb 27, 2004	Mar 15, 2004	Jan 31, 2006
Spectra Technologies, LLC East Camden, AR	May 12, 2004 and May 25, 2004	May 25, 2004	Jan 31, 2006

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SRI International Menlo Park, CA	Jan 15, 2004	Feb 23, 2004	Jan 31, 2006
St. Marks Powder, Inc. St. Marks, FL	Mar 01, 2004	Apr 6, 2004	Jan 31, 2006
Stresau Laboratory, Inc. Spooner, WI	Mar 25, 2004	Apr 15, 2004	Jan 31, 2006
Systima Technologies, Inc. Bothell, WA	Jan 22, 2004	Feb 23, 2004	Jan 31, 2006
Takata Seat Belts, Inc. San Antonio, TX	Mar 1, 2004	Mar 15, 2004	Jan 31, 2006
Talley Defense Systems Mesa, AZ	Jan 20, 2004	Feb 23, 2004	Jan 31, 2006
Tassilo Baur San Fernando, CA	Apr 28, 2004	Jun 17, 2004	Jan 31, 2006
Technical Consultants, Inc. Marshall, TX	Apr 28, 2004	May 25, 2004	Jan 31, 2006
Technical Ordnance, Inc. St. Bonifacius, MN	Mar 1, 2004	Mar 15, 2004	Jan 31, 2006
The Boeing Company Canoga Park, CA	Jan 22, 2004	Feb 23, 2004	Jan 31, 2006
TPL, Inc. Albuquerque, NM	Feb 19, 2004	Mar 3, 2004	Jan 31, 2006
TPL, Inc. (Ft. Wingate Army Depot) Albuquerque, NM	Feb 19, 2004	Mar 3, 2004	Jan 31, 2006
Triumvirate Environmental, Inc. Somerville, MA	Nov 19, 2003	Apr 15, 2004	Jan 31, 2006
TRW Automotive Washington, MI	Jan 28, 2004	Feb 23, 2004	Jan 31, 2006
United Technologies Corporation, Chemical Systems Division San Jose, CA	Mar 4, 2004	Mar 15, 2004	Jan 31, 2006

Company Name City/State	Application Date	Issue Date	Expiration Date
Universal Propulsion Company Fairfield, CA	Aug 26, 2004	Sep 1, 2004	Jan 31, 2006
Universal Propulsion Company, Inc. Phoenix, AZ	Mar 11, 2004	Apr 6, 2004	Jan 31, 2006
University of Minnesota Minneapolis, MN	Dec 3, 2004 and Dec 15, 2004	Dec 15, 2004	Jan 31, 2006
University of Rhode Island Kongston, RI	Mar 22, 2004	Apr 15, 2004	Jan 31, 2006
URS Corp. Morrisville, NC	Feb 17, 2004	Mar 3, 2004	Jan 31, 2006
US DOT RSPA Enforcement Washington, DC	Feb 06, 2004	Feb 23, 2004	Jan 31, 2006
UT-Battelle, LLC Oak Ridge, TN	Feb 10, 2004	Mar 3, 2004	Jan 31, 2006
UTeC Corporation, LLC Riverton, KS (Former Grantee: Universal Tech Corporation (UTeC))	Mar 18, 2004	Apr 15, 2004	Jan 31, 2006
Vulcan Systems Incorporated Colorado Springs, CO	Feb 14, 2004	Mar 3, 2004	Jan 31, 2006

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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Date