State of California
Air Resources Board

Executive Order G-98-061

Certification of Abrasives for Permissible Outdoor Blasting

WHEREAS, Health and Safety Code section 41900 authorizes the Air Resources Board (ARB) to adopt abrasive blasting standards;

WHEREAS, in Title 17, California Code of Regulations, section 92000, et seq. the ARB has established abrasive blasting standards;

WHEREAS, Title 17, California Code of Regulations, section 92500(c), provides in part that any permissible abrasive blasting operation conducted outside a permanent building must use exclusively wet abrasive blasting, hydroblasting, vacuum blasting, or abrasives certified by the ARB for permissible dry outdoor blasting;

WHEREAS, the abrasives listed in Exhibit A (attached) have been tested in accordance with "Method of Test for Abrasive Media Evaluation," Test Method No. California 371-A, dated May 15, 1975, including the "Visible Emission Evaluation Test Method for Selected Abrasives Used in Permissible Dry Outdoor Blasting"as adopted by the Air Resources Board on April 1, 1991 for some selected abrasives, and all have been found to comply with the abrasive certification performance standards set forth in Title 17, California Code of Regulations, section 92530(b);

WHEREAS, the ARB's Executive Officer pursuant to Health and Safety Code section 39516 issued Executive Order G-891 delegating to the Chief of the Board's Compliance Division the authority to certify abrasives in accordance with Title 17, California Code of Regulations, section 92530(a);

NOW, THEREFORE, I, James J. Morgester, Chief of the Air Resources Board's Compliance Division, order certified the abrasives listed in Exhibit A for permissible dry outdoor blasting pursuant to Title 17, California Code of Regulations, section 92530;

IT IS FURTHER ORDERED pursuant to Title 17, California Code of Regulations, section 92530 (a), that the certifications granted by this Executive Order will expire on the respective dates listed in Exhibit A and thereafter no previously listed abrasive will be permissible for dry outdoor blasting until recertified in accordance with Title 17, California Code of Regulations, section 92530;

IT IS FURTHER ORDERED that Executive Order G-98-025 is superseded by this order.

Executed this 31 day of August, 1998 at Sacramento, California.

James J. Morgester, Chief
Compliance Division

Exhibit A

EXECUTIVE ORDER G-98-061

STATE OF CALIFORNIA
AIR RESOURCES BOARD

ABRASIVES CERTIFIED FOR PERMISSIBLE DRY OUTDOOR BLASTING pursuant to Section 92530 of Subchapter 6, Title 17, California Code of Regulations. Unless otherwise noted, the cut-point for fineness (cpff) is #70 sieve.

Company	Brand name or Grade	Expires
Abrasives, Incorporated Larry R. Roth Box 233 Elgin, ND 58533 (701) 584-3422 FAX (701) 584-3242 Plant 1 blk S. Junction 49 and 21, E of Elgin, ND	Black Magic 8-20 Black Magic 16-50	8/31/00 8/31/00
Abrasives Technologies, Incorporated Albie Kraemer 499 Cottage Grove Drive Woodbury, MN 55129 (612) 436-6071 FAX (612) 436-6744 Plant 499 Cottage Grove Dr., Woodbury, MN	Black Diamond, Inc.	8/31/00
Barnes Environmental, Inc. Bob Hunt P.O. Box 260 Waterdown, Ontario L0R 2H0 (905) 689-6661 FAX (905) 689-0485 Plant 407 Parkside Dr. Waterdown, Ontario Canada	Barshot 20 Barshot 30 Barshot 50	8/31/99 8/31/99 8/31/99
Bell & MacKenzie Co., Ltd. Richard Bell Post Office Box 844, LCD#1 Hamilton, Ontario L8N 3N9 Canada (905) 527-6000 FAX (905) 527-6660 Plant 500 Sherman Ave. N. Hamilton, Ontario	Nickel Slag Black Magic #12 Nickel Slag Black Magic #20	8/31/00 8/31/00

Company	Brand name or Grade	Expires
CAE Alpheus Inc. Thomas P. Fahey 9119 Milliken Ave. Rancho Cucamonga, CA 91730 (909) 481-6444 FAX (909) 980-5696 Plant 9119 Milliken Avenue Rancho Cucamonga, CA 91730	Alpheus CO_2 Cleanblast	8/31/00
Centre de Valorisation de Verredu Quebec, Inc. Francois Barthe 550 rue Parc Industriel Longueuil, Quebec J4H3V6 Canada (514) 674-5566 FAX (514) 674-3099 Plant 550 rue Parc Industriel, Longueuil, Quebec, Canada	Super 16 Super 30	8/31/00 8/31/00
Cominco American, Inc., Green Diamond Products Cheri. K. Anderson P.O. Box 85 Riddle, OR 97469 (541) 874-3111 FAX (541) 874-3113 Plant Corner of 6th & E St., Riddle, OR	Green Diamond 1040 Green Diamond 1636 Green Diamond 1650 Green Diamond 2050	8/31/00 8/31/00 8/31/00 8/31/00
Cominco American, Incorporated, Ruby Garnet Operation Keith Persons P.O. Box 137 Alder, MT 59710 (406) 842-5006 FAX (406) 842-5951 Plant 2200 Hwy 287, Alder, MT	Ruby Garnet R-16 Ruby Garnet R-25 Ruby Garnet R-30/40 Ruby Garnet R-36 Ruby Garnet R-8/12 Ruby Garnet R-50 Ruby Garnet R-60	8/31/99 8/31/99 8/31/99 8/31/99 8/31/99 8/31/99 8/31/99
Conversion Technologies International, Inc. Steve Felt Post Office Box 1202 Dunkirk, New York 14048 (716) 366-0066 FAX (716) 366-0223 Plant 181 Stegelske Ave. Dunkirk, NY 14048	Alumaglass #16 Alumaglass #36 Alumaglass #46	8/31/00 8/31/00 8/31/00

Company	Brand name or Grade	Expires
Don Kelland Materials, Inc. Don Kelland 2454 East 24th Street Yuma, AZ 85366 (520) 341-9401 FAX (520) 344-0037 Plant Roll Plant, 38E & County 4th, Roll, AZ	Yuma Gold K2 (16x50) Yuma Gold K4 (8x20)	8/31/00 8/31/00
E.I. Du Pont De Nemours & Company, Inc. Dale A. Mollerup P.O. Box 753 Starke, FL 32091 (904) 964-1265 FAX (904) 964-6883 Plant Off SR 230 E, Camp Blanding W Gate Starke, FL	Biasill® (cpff=#270) Starblast® (cpff=#270) Starblast® XL (cpff=#270) Starblast® Ultra (cpff=#270) Coarse Staurolite	8/31/00 8/31/00 8/31/00 8/31/00 8/31/00
Eurogrit BV Jan Lagrand P.O. Box 1013 BA Neiuwegein The Netherlands 011-31-3402-62434 FAX 011-31-3402-63262 Plant 30 Kilkade 3316 BC Dordrecht The Netherlands	Eurogrit 10/40 Eurogrit 12/40 Eurogrit 20/40	8/31/99 8/31/99 8/31/99
Fairmount Abrasives, Incorporated John Lethiot P.O. Box 236 Wedron, IL 60557 (815) 792-8055 FAX (815) 792-8012 Plant La Salle County Hwy #2 Serena, IL	Black Magnum 1240 Black Magnum 2040	8/31/99 8/31/99

Company	Brand name or Grade	Expires
Foster-Dixiana Corporation Roy Brink P.O. Box 2005 Columbia, SC 29202 (803) 791-3129 FAX (803) 794-0072 Plant Hardeeville Industrial Park Highway 17 Hardeeville, SC 29927	Black Diamond	8/31/00
GMA Garnet Pty Ltd. Robert J. Wicks P.O. Box 644 Nedlands, WA 6009 Australia (09) 386 8618 FAX(09) 389 8547 Plant S. Gould Rd., South of Geraldton, W. Australia Distributors Barton Mines Company Blast Media Division Timothy Q. Conboy P.O. Box 591 Lake George, NY 12845 (518) 798-5462 FAX (518) 798-5728 Mission Abrasive Supplies Greg Carlson 9292 Activity Road San Diego, CA 92126 (619) 566-6700 FAX (619) 271-5079 Porter Warner Industries Steve Cramer 6623 E. Washington Blvd. Commerce, CA 90040 (213) 722-1335 FAX (213) 724-8858	GMA 30x60 (cpff=#140) ROM 30x60 (cpff=140) GMA 80 Mesh (cpff=200) GMA 80SB (cpff=200)	8/31/00 8/31/00 8/31/00 8/31/00

Company	Brand name or Grade	Expires
Gordon Sand Company Ed Gordon 2201 S. Santa Fe Ave. Compton, CA 90224 (213) 774-7930 FAX (310) 537-2483		
Plant 4 mi. W. of Guadalupe, CA on W. Main St.	Golden Flint G-30# Golden Flint G-16# Golden Flint G-20#	8/31/00 8/31/00 8/31/00
Plant 2201 S. Santa Fe Ave. Compton, CA	Sharp Shot/Blastox F80(25) 85%/Blastox 15% Sharp Shot/Blastox F80(36) 85%/Blastox 15% Sharp Shot/Blastox M-60 85%/Blastox 15% Sharp Shot/Blastox F-16-50 85%/Blastox 15%	8/31/99 8/31/99 8/31/99 8/31/99
Plant 15980 Gilman Springs Rd. Moreno Valley, CA	Quick-Sand #16 Quick-Sand #20	8/31/99 8/31/99
International Garnet Abrasive and Filtration, Inc. Charles M. Willis P.O. Box 1386 New Bern, NC 28560 (252) 633-4830 FAX (252) 633-3905	Garnet #12 Garnet #20/40 Garnet #30/40	8/31/00 8/31/00 8/31/00
Plant Keeseville Industrial Park Keeseville, NY		

Company	Brand name or Grade	Expires
Kleen Blast Division - CanAm Minerals Tim Spurgeon 2400 Old Crow Canyon Road, Suite A2 San Ramon, California 94583 (925) 831-9800 FAX (925) 831-9183		
Plant 30028 Industrial Parkway SW Hayward, CA	Kleen Blast #30-60/15% Blastox Kleen Blast #16-30/15% Blastox Kleen Blast #35/15% Blastox	8/31/99 8/31/99 8/31/99
Distributor Kleen Blast Abrasives (Northern California) Don Stephenson 30028 Industrial Parkway Hayward, CA 94544 (925) 471-2100 FAX (925) 471-2447		
Kleen Blast Abrasives (Southern California) Rick Christiansen 93 8th Ave. San Diego, CA 92101 (619) 239-1092 FAX (619) 239-1096		
Kleen Blast Abrasives (Oregon) Craig Pritehard 3650 N. W. Yeon Ave. Portland, OR 97210 (503) 228-3965 FAX (503) 228-6807		
Kleen Blast Abrasives (Washington) Dave Ketrenos 1448 St Paul Ave. Tacoma, WA 98421 (253) 383-2168 FAX (253) 383-2267		

Company	Brand name or Grade	Expires
Kleen Blast Division - CanAm Minerals Tim Spurgeon 2400 Old Crow Canyon Road, Suite A2 San Ramon, California 94583 (925) 831-9800 FAX (925) 831-9183		
Plant	Kleen Blast #8/12	8/31/00
Pacific Abrasives & Supply, Inc.	Kleen Blast #16	8/31/00
Tim Spurgeon	Kleen Blast #16/30	8/31/00
West Carson Road	Kleen Blast #35	8/31/00
Grand Forks, BC V0H IH0 Canada	Kleen Blast #30/60	8/31/00
Distributors		
Clementina Equipment Company R. Al Williams 2177 Jerrold Avenue San Francisco, CA 94124 (415) 282-7290 FAX (415) 920-0520		
Kleen Blast Abrasives (Northern California) Don Stephenson 30028 Industrial Parkway Hayward, CA 94544 (925) 471-2100 FAX (925) 471-2447		
Kleen Blast Abrasives (Southern California) Rick Christiansen 93 8th Ave. San Diego, CA 92101 (619) 239-1092 FAX (619) 239-1096		
Kleen Blast Abrasives (Oregon) Craig Pritehard 3650 N. W. Yeon Ave. Portland, OR 97210 (503) 228-3965 FAX (503) 228-6807		
Kleen Blast Abrasives (Washington) Dave Ketrenos 1448 St Paul Ave. Tacoma, WA 98421 (253) 383-2168 FAX (253) 383-2267		

Company	Brand name or Grade	Expires
Minerals Research and Recovery, Inc. Stephen F. Mehlman 4620 S. Coach Drive Tucson, AZ 85714 (520) 748-9362 FAX (520) 748-9364	Sharpshot 20x50 Sharpshot F1650 Sharpshot M-60 Sharpshot F80(36) (cpff=#270) Sharpshot 12x30 Sharpshot 30x60 (cpff=#270) Sharpshot 16x50	8/31/99 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00
Plant Hwy. 85, Ajo, AZ		
Distributors Gordon Sand Company Clint LeGrant 2201 S. Santa Fe Ave. - 90221 Post Office Box 5549 Compton, CA 90224 (213) 774-7930 FAX (310) 537-2483 800-333-7930		
Gordon Industries George E. Gordon 975 66th Avenue Oakland, CA 94621 (510) 632-6900 FAX (510) 632-6961		
Mobile Abrasives Edward J. Serda P.O. Box 1156 Mobile, Alabama 36633 (334) 694-0023 FAX(334) 694-7993	Black Blast	8/31/00
Plant - Pinto Island 400 Dunlap Dr. Mobile, AL		
Nevada Slag, Inc. Paul Sonerholm P.O. Box 1314 McGill, NV 89318 (702) 235-7500 FAX (702) 235-7962		
Plant Hwy. 93, Kennecott Slag Plant, McGill, NV	Nevada Black 8/20 Nevada Black 16/30	8/31/00 8/31/00
Plant 2 mi N of Fernley, NV on Hwy 80	Natural Grit 6/50	8/31/99

Company	Brand name or Grade	Expires
Oglebay Norton Industrial Sands, Inc. D. G. Hendrickson P.O. Box 249 San Juan Capistrano, CA 92693 (949) 728-0171 FAX (949) 728-0321 Plant 31302 Ortega Hwy. San Juan Capistrano, CA	Oglebay Norton Industrial Sands #12 Oglebay Norton Industrial Sands #16 Oglebay Norton Industrial Sands #20 Oglebay Norton Industrial Sands #30	8/31/00 8/31/00 8/31/00 8/31/00
P.W. Gillibrand Co., Inc. P.W. Gillibrand 5131 Tapo Canyon Road Simi Valley, CA 93063 (805) 526-2195 FAX (805) 522-4031 Plant Specialty Sands Plant End of Bennett Road Simi Valley, CA	Silver Sand #12 Silver Sand #16 Silver Sand #20 Silver Sand #30	8/31/00 8/31/00 8/31/00 8/31/00
Parker Bros. Co., Inc. Fred Licon P. O. Box 12642 El Paso, TX 79912 (915) 532-1611 FAX (915) 544-7011 Plant 34 San Marcos Dr. El Paso, TX	Parker Abrasives Grade 16-50	8/31/00
Patterson Materials Corporation Vince Lombardi P.O. Box 800 Wingdale, NY 12594 (914) 832-6000 FAX (914) 832-6724 Plant Pleasant Ridge Road Wingdale, NY	Almandite #16 Almandite #30/40 Almandite #36 Almandite #8/12	8/31/99 8/31/99 8/31/99 8/31/99
Pontchartrain Materials Corporation Arthur Geary P.O. Box 8005 New Orleans, LA 70182 (504) 949-7571 FAX (504) 944-3338 Plant 3819 France Road New Orleans, LA	Pontchartrain Materials Corporation Medium Pontchartrain Materials Corporation Utility PMC Blast 2.0 Coarse	8/31/99 8/31/99 8/31/99

Company	Brand name or Grade	Expires
RDM Multi-Enterprises, Inc. Dominic DiFrancesco 105 North Silver Street Anaconda, MT 59711 (406) 563-3433 FAX (406) 563-3435 Plant 1/2 mi. east of Anaconda, Montana on Hwy. #1	Best Grit #8/20 Best Grit #16/30 Best Grit #30/60 Best Grit #36 Ferro Blast #8/20 Ferro Blast #16/30 Ferro Blast #30/60 Ferro Blast #36 Ferro Blast-73 #8/20 Ferro Blast-73 #16/30 Ferro Blast-73 #36	8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00
RMC Lonestar Bob Foley 4750 - A Norris Canyon Rd. San Ramon, CA 94583 (510) 866-2780 FAX (510) 866-2983 Plant Lapis Rd. Marina, CA Distributors Clementina Equipment Company R. Al Williams 2177 Jerrold Avenue San Francisco, CA 94124 Gordon Industries George E. Gordon III 975 66th Ave. Oakland, CA 94583 (510) 632-6900 FAX (510) 632-6961 Gordon Sand Company Clint LeGrant 2201 S. Santa Fe Ave. - 90221 Post Office Box 5549 Compton, CA 90224 (213) 774-7930 FAX (310) 537-2483 800-333-7930	Lapis Lustre No. 0/30 Lapis Lustre No. 1C Lapis Lustre No. 1/20 Lapis Lustre No. 2/12 Lapis Lustre No. 2/16 Lapis Lustre No. 3	8/31/00 8/31/00 8/31/00 8/31/00 8/31/00 8/31/00

Company	Brand name or Grade	Expires
Reed Minerals, A Division of Harsco J. Maxwell Post Office Box 0515 Camp Hill, Pennsylvania 17001 (717) 763-4200 FAX (717) 763-6496		
Plant 600-800 Outer Drive LaCygne, KS	Black Beauty 1240 Black Beauty 2040	8/31/00 8/31/00
Plant One mile east on State Rte 176 Drakesboro, KY 42337	Black Beauty 1240 Black Beauty 2040	8/31/00 8/31/00
Plant 97 River Road #1 Bow, NH 03304	Black Beauty 1243 Black Beauty 2043	8/31/00 8/31/00
Distributors Gordon Industries George E. Gordon III 975 66th Ave. Oakland, CA 94583 (510) 632-6900 FAX (510) 632-6961		
Gordon Sand Company Clint LeGrant 2201 S. Santa Fe Ave. - 90221 Post Office Box 5549 Compton, CA 90224 (213) 774-7930 FAX (310) 537-2483 800-333-7930		
Reed Minerals Certifing Party Aerojet - General Corporation Carolyn Craig Post Office Box 13222 Sacramento, CA 95813 (916) 355-5715 FAX (916) 355-6992	Black Beauty 2049	8/31/99
Plant Farm Road 1786, at the Alcola site, Rockdale TX		

Company	Brand name or Grade	Expires
Silica Resources, Inc. Tom Hale 4553 Hammonton Road Marysville, CA 95901 (530) 741-0290 FAX (530) 741-3457 Plant 4553 Hammonton Road Marysville, CA	SRI Supreme #12 SRI Supreme #16 SRI Supreme #20 SRI Supreme #30	8/31/00 8/31/00 8/31/00 8/31/00
Solidstrip, Incorporated Brian Lund Post Office Box 102 Minocqua, WI 54548 (715) 356-7130 FAX (715) 356-3952 Plant #6 Vliet Farm Road/Rte 173 West Portal, New Jersey	Solidstrip L (Type V) 20-30	8/31/99
Specialty Minerals Certifing Party Southern California Edison James T. Resheske 300 North Pepper Avenue Rialto, California 92376 (909) 820-5437 FAX (909) 820-5356 Plant 6565 Meridian Rd., Lucerne Valley, CA	Marble White 16-40	8/31/99
Specialty Sands Company, Incorporated Margo Villanueva Post Office Box 9877 Houston, Texas 77213 (281)456-9553 (281) 456-9557		
Plant Gran Grit, Incorporated Job Sisney 1506 Old Ferry Road Spring City, TN, 37381 (423)365-7382	Abrade-Away	8/31/99
Plant Av. Francisco Montenegro, s/n 21001 Huelva, Spain	Specialty Sand/Copper Slag	8/31/99

Company	Brand name or Grade	Expires
Staker Asphalt Paving & Construction Company Douglas C. Bedingfield P.O. Box 430 Tooele, UT 84074 (801) 882-3981 FAX (801) 322-1332	Sunstone Abrasive Fine 30x50 Sunstone Abrasive Medium 15x40 Sunstone Abrasive Utility 10x20	8/31/99 8/31/99 8/31/99
Plant 1830 West Highway 112 Tooele, UT		
Stan-Blast Abrasive Company, Inc. Paul Robinson 2525 S. Shore Blvd., # 301 League City, TX 77573 (281) 334-5400 FAX (281) 334-5205		
Plant 3860 Peters Road Harvey, LA	Stan Blast	8/31/00
Plant 5712 Harbor Side Drive Galveston, TX	Stan Blast	8/31/00
Strategic Materials, Inc. Thomas Vossman 5151 San Felipe, Suite 1400 Houston, TX 77056 (713) 881-5057 FAX (713) 881-5015	"WhiteBlast" 20x40	8/31/99
Plant 1035 Thompson Rd., Industrial Park Ashland City, TN		
Sweetwater Garnet, Inc. Debbie Powell 7725 Montana Highway 915 Dillon, MT 59725 (406) 683-5668 FAX (406) 683-2696	Red Dog Garnet #16 Red Dog Garnet #36 Red Don Garnet #30/60	8/31/99 8/31/99 8/31/99
Plant 7725 Montana Highway 915 Dillon, MT		

Company	Brand name or Grade	Expires
TriVitro Corporation Mark Anderson 351 Elliott Avenue West Seattle, WA 98119 (206) 301-0181 FAX (206) 301-0183 Plant 351 Elliott Aveenue West Seattle, WA	Vitrogrit VG #16 Vitrogrit VG #30 Vitrogrit VG #40	8/31/99 8/31/99 8/31/99
Unimin Corporation Chris Karr 1910 Cochran Road, Suite 728 Pittsburgh, PA 15220-1107 (412) 561-7501 FAX (412) 561-7809 Plant 915 Pettit St. Hamilton, WA	Green Lightning® 2.8 (20x46)	8/31/00
Universal Ground Cullet, Inc. Robert F. VanBuskirk 6407 Wolf Road Brook Park, OH 44142 (216) 267-8057 FAX (216) 267-8067 Plant 400 W. Cedar St. Gibsonburg, OH	UGC Abrasive 10x30 UGC Abrasive 20x40 UGC Abrasive 30x60	8/31/00 8/31/00 8/31/00
US Technology Corporation David H. Roseberg 220 Seventh Street, SouthEast Canton, OH 44702 (330) 455-1181 FAX (330)-1191 Plant 220 Seventh Street, South East Canton, OH	Poly Media Poly V	8/31/99

Company	Brand name or Grade	Expires
Virginia Materials & Supplies, Inc. John W. Burns P.O. Box 7400 Norfolk, VA 23509-0400 (757) 855-0155 FAX (757) 857-5631		
Plant 3306 Peterson St. Norfolk, VA	Black Blast Black Blast with Blastox Crystalgrit	8/31/00 8/31/99 8/31/99
Plant 5360 Bainbridge Blvd. Chesapeake, VA	Black Blast	8/31/00
Western Garnet International Greg Emerson 101 Ironwood Drive, #210 Coeur d'Alene, ID 83814 (208) 666-6000 FAX (208) 666-4000		
Plant 4 mi S of Fernwood, Emerald Creek Rd. Fernwood, ID	Emerald Creek Garnet #16 Emerald Creek Garnet #30/40 Emerald Creek Garnet #36 Emerald Creek Garnet #60 Emerald Creek Garnet #80	8/31/99 8/31/99 8/31/99 8/31/99 8/31/99
Distributors Gordon Industries George E. Gordon, III 975 66th Avenue Oakland, CA 94621 (510) 632-6900 FAX (510) 632-6961		
Gordon Sand Company Clint LeGrant 2201 So. Santa Fe Ave. - 90221 Compton, CA 90224 (213) 774-7930 FAX (310) 537-2483 (800) 333-7930		
Plant Transworld Garnet India PVT. LTD. Factory: Opp. Tuticorin Airport Palayhamkottai High Road Kuttudankadu, Tuticorin 628 103 Thoothukudi Dist. India	Transworld Garnet BBG-1220 Transworld Garnet BBG-1240 Transworld Garnet BBG-2040 Transworld Garnet BBG-3060	8/31/99 8/31/99 8/31/99 8/31/99

Company	Brand name or Grade	Expires
Western Minerals Jim McLeod 311 South Division Street Carson City, NV 89703 (702) 888-4902 FAX (702) 882-5857 Plant Hwy 6, 11 mi W of Coaldale Junction Nevada	Garblast #13 Garblast #36	8/31/99 8/31/99