State of California
Air Resources Board

Executive Order G-98-004

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, including the "Visible Emission Evaluation Test Method for Selected Abrasives Used in Permissible Dry Outdoor Blasting" 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IT IS FURTHER ORDERED that Executive Order G-97-071 is superseded by this order.

Executed this 28TH day of JANUARY 1998 at Sacramento, California.

James J. Morgester, Chief
Compliance Division

Exhibit A

EXECUTIVE ORDER G-98-004

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) 484-3422 FAX (701) 584-3242 Plant 1 blk S. Junction 49 and 21, E of Elgin, ND	Black Magic 8-20 Black Magic 16-40	8/31/98 8/31/98
Abrasives Technologies, Incorporated Albie Kraemer 499 Cottage Grove Drive Woodbury, MN 56125 (612) 436-6071 FAX (612) 436-6744 Plant 499 Cottage Grove Dr., Woodbury, MN	Black Diamond, Inc. Black Diamond	8/31/98
Alpheus Cleaning Technologies Corp. Thomas P. Fahey 9119 Milliken Ave. Rancho Cucamonga, CA 91730 (909) 481-6444 FAX (909) 980-5696 Plant Manufactured as Used	Alpheus CO_2 Cleanblast	8/31/98
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

Company	Brand name or Grade	Expires
Barton Mines Corporation Timothy Q. Conboy P.O. Box 591 Lake George, NY 12845 (518) 798-5462 FAX (518) 798-5728 Plant Route 28, North Creek, NY	Barton 1640	8/31/98
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
Corona Industrial Sand Company Stanley D. Hendrickson 20125 Temescal Canyon Rd. Corona, CA 91719 (909) 735-4660 FAX (909) 735-7022 Plant 20125 Temescal Canyon Rd. Corona, CA	Cisco #12 Cisco #16 Cisco #20 Cisco #30	8/31/98 8/31/98 8/31/98 8/31/98
Conversion Technologies International, Inc. Andrew C. Cannon 82 Bethany Raod, Suite 6 Hazlet, NJ 07730 (908) 888-3828 FAX (908) 888-3930 Plant 181 Stegelske Ave. Dunkirk, NY 14048	Alumaglass #16 Alumaglass #24 Alumaglass #36 Alumaglass #46	8/31/98 8/31/98 8/31/98 8/31/98
Don Kelland Materials, Inc. Don Kelland 2554 East 24th Street Yuma, AZ 85366 (520) 341-9401 FAX (520) 344-0037 Plant 12500 E County 8th St., Yuma, AZ	Kel-Pak K1 (20x70) Kel-Pak K2 (16x50) Kel-Pak K3 (12x40) Kel-Pak K4 (3x20) Yuma Gold K1 (20x70) Yuma Gold K2 (16x50) Yuma Gold K3 (12x40) Yuma Gold K4 (3x20)	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98

Company	Brand name or Grade	Expires
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) Coarse Staurolite Starblast (cpff=#270) Starblast Ultra (cpff=#270) Starblast XL (cpff=#270)	8/31/98 8/31/98 8/31/98 8/31/98
EcoSource Garnet, Inc. Andy Dahmen 59 Nelson Road Lively, Ontario P3Y 1P4 Canada (705) 682-1589 FAX (705) 682-1318 Plant 65 Nelson Road Lively, Ontario Canada	Ecosource Ecoblast #18 Ecosource Ecoblast #40	8/31/99 8/31/99
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 Carl L. Foster P.O. Box 2005 Columbia, SC 29202 (803) 791-3129 FAX (803) 794-0072		
Norfolk Plant 5360 Bainbridge Blvd. Chesapeake, VA 23320	Black Diamond CX8 Black Diamond Chesapeake	8/31/98 8/31/98
Savannah Plant Hardeeville Industrial Park Highway 321 Hardeeville, SC 29927	Black Diamond	8/31/98
Glass Recycling, Inc. Donald E. Lukas 4369 Shallowford Industrial Parkway Marietta, GA 30066	GlassBlast 12/30	8/31/99
Plant 4369 Shallowford Industrial Parkway Marietta, GA		

Company	Brand name or Grade	Expires
GMA Garnet Pty Ltd. Robert J. Wicks P.O. Box 644 Nedlands, WA 6009 Austrailia (09) 386 8618 FAX(09) 389 8547	GMA 30x60 cpff = # 140 GMA 80 SB cpff = # 140 GMA 80 Mesh cpff = # 140	8/31/98 8/31/98 8/31/98
Plant S. Gould Rd., South of Geraldton, W. Austrailia		
Distributors Barton Mines Corporation Blast Media Division Timothy Q. Conboy P.O. Box 591 Lake George, NY 12845 (518) 798-5462 FAX (518) 798-5728 Gordon Industries George E. Gordon, III 975 66th Ave. Oakland, CA 94621 (510) 632-6900 FAX (510) 632-6961 Gordon Sand Company Clint LeGrant 2201 S. Santa Fe Ave. Compton, CA 90224 (213) 774-7930 FAX (310) 537-2483		
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#	8/31/98 8/31/98 8/31/98
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

Company	Brand name or Grade	Expires
Green Diamond Abrasives C.K. Anderson P.O. Box 85 Riddle, OR 97469 (541) 874-3111 FAX (541) 874-3113 Plant Corner of 6th & E St., Riddle, OR Distributors Clementina Ltd. R. "Al" Williams 2177 Jerrold Avenue San Francisco, CA 94124 (415) 282-7290 Wilkinson Equipment Corporation R. "Al" Williams 3632 Duck Creek Drive, Bldg. D Stockton, CA 95215 (209) 942-1000 FAX (209) 942-3096	Green Diamond 1040 Green Diamond 1636 Green Diamond 1650 Green Diamond 2050	8/31/98 8/31/98 8/31/98 8/31/98
Industrial Mineral Fillers Company John C. Heter P.O. Box 2885 Canyon Country, CA 91386 (805) 252-7028 FAX (805) 252-7047 Plant 12000 Soledad Canyon Road, Canyon Country, CA	Caspar #16 Caspar #20 TIFE #16 TIFE #20 TIFE #30	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98
International Garnet Charles M. Willis P.O. Box 1386 New Bern, NC 28560 (919) 633-6305 FAX (919) 633-3905 Plant Keeseville Industrial Park Keeseville, NY 12944	Garnet #12 Garnet #20/40 Garnet #30/60	8/31/98 8/31/98 8/31/98

Company	Brand name or Grade	Expires
Kleen Blast Abrasives Greg Weyl 2400 Old Crow Canyon Road, A-Z San Ramon, CA 94583 (510) 831-9800 FAX (510) 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
Plant Pacific Abrasives & Supply, Inc. Wayne Chard/Tim Spurgeon West Carson Road Grand Forks, BC V0H IH0 Canada (604) 442-3626 FAX (604) 442-3095	Kleen Blast #30/60 Kleen Blast #35 Kleen Blast #8/12 Kleen Blast #16 Kleen Blast #16/30	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98
Distributor Clementina, Ltd. Al Williams 2177 Jerrold Ave. San Francisco, CA 94124 (415) 282-7290		
Gordon Sand Company Clint LeGrant 2201 South Santa Fe Avenue Compton, CA 90224 (213) 774-7930 (800) 333-7930 FAX (310) 537-2483		
Wilkinson Equipment Al Williams 3632 Duck Creek Dr. Stockton, CA 95205		

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 Plant Hwy. 85, Ajo, AZ Distributors Gordon Industries George 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 P. O. Box 5549 Compton, CA 90224 (213) 774-7930 (800) 333-7930 FAX (310) 537-2483	Sharpshot F-16-50 Sharpshot F80(25) Sharpshot F80(36) Sharpshot M-60 12x30 Sharpshot 30x60 Sharpshot 20x50 Sharpshot	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/99
Mobile Abrasives Edward J. Serda P.O. Box 1156 Mobile, Alabama 36633 (334) 694-0023 FAX(334) 694-7993 Plant - Pinto Island 400 Dunlap Dr. Mobile, AL	Black Blast	8/31/98
Nevada Slag, Inc. Paul Sonerholm P.O. Box 1314 McGill, NV 89318 (702) 235-7500 FAX (702) 235-7962 Plant Hwy. 93 North of McGill, NV	Nevada Black 8/16 Nevada Black 16/30 Nevada Black 30/60	8/31/98 8/31/98 8/31/98

Company	Brand name or Grade	Expires
North American Abrasives, Incorporated Clinton D. Hubbard 4660 La Jolla Village Drive, Suite 750 San Diego, California 92122 (619) 233-1881 FAX (619) 515-0015 Plant Kilometro 1.8 Carretera al Norte Santa Rosalita, BC Mexico	North American Abrasives Coarse 1240 North American Abrasives MF 1640	8/31/98 8/31/98
Oglebay Norton Industrial Sands, Inc. D. G. Hendrickson P.O. Box 249 San Juan Capistrano, CA 92693 (714) 728-0171 FAX (714) 728-0321 Plant 31302 Ortega Hwy. San Juan Capistrano, CA 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 P.O. Box 5549 Compton, CA 90224 (213) 774-4930 FAX (310) 537-2483 (800) 333-7930 Hydro-Air Products, Inc. Paula Hinkley 4720 East District Blvd. Vernon, CA 90058 (213) 589-7999 FAX (714) 583-9423	Oglebay Norton Industrial Sands #12 Oglebay Norton Industrial Sands #16 Oglebay Norton Industrial Sands #20 Oglebay Norton Industrial Sands #30	8/31/98 8/31/98 8/31/98 8/31/98
P.W. Gillibrand Bennie Theising P.O. Box 3476 Simi Valley, CA 93093 (805) 526-2195 FAX (805) 522-4031 Plant 5131 Tapo Canyon Rd. Simi Valley, CA	Silver Sand #12 Silver Sand #16 Silver Sand #20 Silver Sand #30	8/31/98 8/31/98 8/31/98 8/31/98

Company	Brand name or Grade	Expires
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	8/31/98
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	8/31/99 8/31/99
RDM Multi-Enterprises, Inc. Dominic DiFrancesco P. O. Box 179 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	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98

Company	Brand name or Grade	Expires
RMC Lonestar Jim Van Nest 4750 - A Norris Canyon Rd. San Ramon, CA 94583 (510) 866-2780 FAX (510) 866-2983	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	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98 8/31/98

Plant
Lapis Rd.
Marina, CA

Distributors
Clementina Ltd.
R. "Al" Williams
2177 Jerrold Avenue
San Francisco, CA 94124
(415) 282-7290

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
P.O. Box 5549
Compton, CA 90224
(213) 774-7930 FAX (310) 537-2483 (800) 333-7930

Wilkinson Equipment Corporation
R. "Al" Williams
3632 Duck Creek Drive, Bldg. D
Stockton, CA 95215
(209) 942-1000 FAX (209) 942-3096

Redland Genstar, Inc. J. Joseph Bradik Executive Plaza IV Hunt Valley, MD 21031 (410) 682-5982 (410) 682-5700	GENSTAR Camel-Black Utility Grade	8/31/98

Plant
10300 Pulaski Hwy., White Marsh, MD

Company	Brand name or Grade	Expires
Specialty Sands Company, Incorporated Warren Michael 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
Staker Asphalt Paving & Construction Company Douglas C. Bedingfield P.O. Box 430 Tooele, UT 84074 (801) 882-3981 FAX (801) 322-1332 Plant 1830 West Highway 112 Tooele, UT	Sunstone Abrasive Fine 30x50 Sunstone Abrasive Medium 15x40 Sunstone Abrasive Utility 10x20	8/31/99 8/31/99 8/31/99
Stan-Blast Abrasive Company, Inc. Paul Robinson 2525 S. Shore Blvd., Suite 301 League City, TX 77573 (281) 334-5400 FAX (281) 334-5205		
Plant 3300 River Road Harvey, LA	Stan Blast	8/31/98
Plant 5712 Harbor Side Drive Galveston, TX	Stan Blast	8/31/98
Strategic Materials, Inc. Thomas Vossman 5151 San Felipe, Suite 1400 Houston, TX 77056 (713) 881-5057 FAX (713) 881-5015 Plant 1035 Thompson Rd., Industrial Park Ashland City, TN	"WhiteBlast" 20x40	8/31/99

Company	Brand name or Grade	Expires
Sweetwater Garnet, Inc. Debbie Powell 7725 Montana Highway 915 Dillon, MT 59725 (406) 683-5668 FAX (406) 683-2696 Plant 7725 Montana Highway 915 Dillon, MT	Red Dog Garnet #16 Red Dog Garnet #36 Red Don Garnet #30/60	8/31/99 8/31/99 8/31/99
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 Wayne L. White 4601 Cascade Road Emmett, ID 83617 (208) 365-7153 FAX (208) 365-5235 Plant 4601 Cascade Rd. Emmit, ID	Uniblast 2.0 Uniblast 2.4 Uniblast 3.0 Uniblast 3.4 Uniblast 4.0	8/31/98 8/31/98 8/31/98 8/31/98 8/31/98
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	Fast Blast E-1010 Fast Blast E-1015 Fast Blast M-1010 Fast Blast M-1015	8/31/98 8/31/98 8/31/98 8/31/98
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 (804) 855-0155 FAX (804) 857-5631	Black Blast Black Blast with Blastox Crystalgrit	8/31/98 8/31/99 8/31/99
Plant 3306 Peterson St. Norfolk, VA		
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 A/200 M.A.C. Gardens State Bank Colony, Tuticorin 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