The purpose of this advisory is to inform local air pollution control districts and other interested persons of Executive Order G-826 which lists abrasives currently certified by Air Resources Board (ARB) Compliance Division staff in accordance with Section 92530 of Subchapter 6, Title 17, California Code of Regulations. Executive Order G-826 will expire on August 31, 1994, after which a new list of certified abrasives will be issued.

Legal Requirements

The Health and Safety Code authorizes the ARB to adopt air pollution standards for sandblasting operations. Under Title 17 of the California Code of Regulations, the ARB is required to certify abrasives used for permissible dry outdoor blasting as complying with specific performance standards. The performance standards require that the abrasives, before blasting, shall not contain more than 1% by weight material passing a #70 U. S. standard sieve or, as an alternative, not produce visible emissions more than 20% opacity when blasted in accordance with a specified test method; after blasting the abrasives shall not contain more than 1.8% by weight material 5 microns or smaller.

Compliance with these certification requirements helps to reduce fine particulate matter emitted to the atmosphere during permissible dry outdoor blasting.

The current regulations require that all abrasive blasting be conducted within a permanent building with some specific exceptions. Exceptions allowing outdoor blasting exist when, 1) steel or iron shot/grit is used exclusively, or 2) the blasting is conducted with ARB certified, wet, hydroblasting, or vacuum blasting techniques and the item blasted exceeds 8 feet in any dimension or is situated at its permanent location. The current regulations apply a 40 percent opacity visible emission standard to all permissible outdoor blasting and a 20 percent opacity standard to all permissible indoor blasting regardless of the abrasive or the blasting technique used.

If you have any questions regarding Executive Order G-826 or the certification process, please contact Laura McKinney, Manager of the Investigation and Certification Section at (916) 327-1525.

James J. Morgester, Chief
Compliance Division
Air Resources Board
P. O. Box 2815
Sacramento, CA 95812
State of California  
Air Resources Board  

Executive Order G-826

WHEREAS, Article 4 (commencing with Section 41900), Chapter 3, Part 4, Division 26 of the Health and Safety Code authorizes the Air Resources Board (the "ARB") to adopt abrasive blasting standards;

WHEREAS, in Subchapter 6 (commencing with Section 92000), Chapter 1, Part III, Title 17, California Code of Regulations, the ARB has established abrasive blasting standards;

WHEREAS, Section 92500(c), Title 17, California Code of Regulations, 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, Health and Safety Code Sections 39515 and 39516 delegate to the Executive Officer any power which the ARB may lawfully delegate;

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 Section 92530(b), Title 17, California Code of Regulations;

NOW, THEREFORE, IT IS ORDERED that the abrasives listed in Exhibit A are certified pursuant to Section 92530, Title 17, California Code of Regulations, and may be used accordingly for permissible dry outdoor blasting until August 31, 1994.

IT IS FURTHER ORDERED that this Executive Order shall expire on August 31, 1994, and the above-listed abrasives shall not be certified after that date for permissible dry outdoor blasting unless they are recertified in accordance with the provisions of Section 92530(b), Title 17, California Code of Regulations.

Executed this 31st day of August, 1993 at Sacramento, California.

James D. Boyd  
Executive Officer
EXHIBIT A

EXECUTIVE ORDER G-826

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:

<table>
<thead>
<tr>
<th>Company</th>
<th>Brand Name or Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Alpheus Cleaning Technologies Corp.</td>
<td>CO₂ Cleanblast</td>
</tr>
<tr>
<td>Thomas Fahey</td>
<td></td>
</tr>
<tr>
<td>9105 Milliken Ave.</td>
<td></td>
</tr>
<tr>
<td>Rancho Cucamonga, CA 91730</td>
<td></td>
</tr>
<tr>
<td>(714) 944-0055 FAX (714) 980-5696</td>
<td></td>
</tr>
<tr>
<td>2. Apache Abrasive Inc.</td>
<td>Apache-Blast Utility</td>
</tr>
<tr>
<td>H. M. Hedrick II</td>
<td></td>
</tr>
<tr>
<td>10696 Haddington, Suite 112</td>
<td></td>
</tr>
<tr>
<td>Houston, TX 77043</td>
<td></td>
</tr>
<tr>
<td>(713) 468-1402 FAX (713) 468-0714</td>
<td></td>
</tr>
<tr>
<td>3. Applied Industrial Materials Corporation</td>
<td>Green Lightning 20 x 46</td>
</tr>
<tr>
<td>(AIMCOR)</td>
<td></td>
</tr>
<tr>
<td>Christy Karr, Jr.</td>
<td></td>
</tr>
<tr>
<td>Park Ridge One Office Center, Suite 200</td>
<td></td>
</tr>
<tr>
<td>Pittsburgh, PA 15275</td>
<td></td>
</tr>
<tr>
<td>(800) 541-6594 FAX (412) 788-1822</td>
<td></td>
</tr>
<tr>
<td>Dave P. Hall</td>
<td></td>
</tr>
<tr>
<td>1000-1177 West Hastings Street</td>
<td></td>
</tr>
<tr>
<td>Vancouver, B.C. V6E 2K3</td>
<td></td>
</tr>
<tr>
<td>(604) 687-6600 FAX (604) 687-3932</td>
<td></td>
</tr>
<tr>
<td>5. Badger Mining Corporation</td>
<td>BB#1</td>
</tr>
<tr>
<td>Larry Beuthin</td>
<td></td>
</tr>
<tr>
<td>Highway 44 &amp; A</td>
<td>BB#2</td>
</tr>
<tr>
<td>Fairwater, WI 53931</td>
<td>BB#3</td>
</tr>
<tr>
<td>(800) 932-7263 FAX (414) 398-2395</td>
<td>BB#4</td>
</tr>
<tr>
<td></td>
<td>BB#5</td>
</tr>
<tr>
<td></td>
<td>D4(T)</td>
</tr>
<tr>
<td>6. Barton Mines Corporation</td>
<td>Barton 1640 - Garnet</td>
</tr>
<tr>
<td>J. L. Nash</td>
<td></td>
</tr>
<tr>
<td>Plant: Hudson River Plant, Route 28</td>
<td></td>
</tr>
<tr>
<td>North Creek, NY 12853</td>
<td></td>
</tr>
<tr>
<td>(518) 251-2532 FAX (518) 251-3655</td>
<td></td>
</tr>
</tbody>
</table>
7. Black Diamond, Inc.
Patrick E. Braegelmann/John Enright
499 Cottage Grove Drive
Woodbury, MN 55125
(612) 436-6071 FAX (612) 436-6744

8. Cariboo Highland Metals Corporation
Richard H. Lonsdale
B101-325 Howe Street
Vancouver, B.C. V6C127 Canada
(604) 684-8166 FAX (604) 684-8166

9. California Silica Products Company
D. G. Hendrickson
31302 Ortega Hwy
San Juan Capistrano, CA 92675
(714) 728-0171 FAX (714) 728-0321

10. Corona Industrial Sand Company
Stan D. Hendrickson
20125 Temescal Cyn. Rd.
Corona, CA 91719
(714) 735-4660 FAX (714) 735-7022

11. Desert Garnet
Michael Millar
17550 Mactul Road
Cadiz, CA 92319
(619) 733-4451 FAX (619) 733-4149

Robert A. Frank
Chestnut Run Plaza Bldg. 709
Wilmington, DE 19880-0709
(302) 999-2124 FAX (302) 999-4210

Distributor:
The Pryor-Giggey Co.
C. N. Sparks, President
P. O. Box 739
Whittier, CA 90608
(310) 945-1161

Black Diamond
Hardblast #30 Grit
Hardblast #34 Grit
Hardblast #36 Grit
Garblast #30 Grit
Garblast #36 Grit

#12
#16
#20
#30

Cisco #12
Cisco #16
Cisco #20
Cisco #30

Gemshot 16-40
Gemshot 30-60

Biasill
*(cpff = #270 sieve)
Starblast
*(cpff = #270 sieve)
Starblast XL
*(cpff = #270 sieve)
Zirclean
*(cpff = #270 sieve)
Coarse Staurolite
*(cpff = #140 sieve)

*cpff = Cut-point for fineness
13. Emerald Creek Garnet Milling Co.
Lindsey E. Gorrill
Plant: Route 4, Hwy. 3.
4 mi. S. of Fernwood
Fernwood, ID 83830
(208) 245-2096 FAX (208) 245-5309
Emerald Creek Garnet 36
Emerald Creek Garnet 30/40
Emerald Creek Garnet #50X
Emerald Creek Garnet #16
Emerald Creek Garnet #60
Emerald Creek Garnet #40SB
*Emerald Creek Garnet #80
*(cpff = Cut-point for fineness)

Distributor:
Gordon Sand Company
Jim Whitney
2201 Santa Fe Ave.
Compton, CA 90224
(213) 774-7930 FAX (213) 537-2463

Distributor:
The Pryor-Giggey Co.
C. N. Sparks, President
P. O. Box 739
Whittier, CA 90608
(310) 945-1161

14. Foster-Dixiana Corporation
Carl L. Foster
3308 Charleston Hwy.
West Columbia, SC 29172
(803) 791-3129 FAX (803) 794-0072
Norfolk Plant
5360 Bainbridge Blvd.
Chesapeake, VA 23320
Black Diamond CX8
Black Diamond CX12
Black Diamond CX20
Savannah Plant
Hardeeville Industrial Park
Highway 321
Hardeeville, SC 29927
Black Diamond CX8
Black Diamond CX12
Black Diamond CX20
Camel Black, Utility Grade

15. Genstar Stone Products Company
Heinz E. Oest
Executive Plaza IV
Hunt Valley, MD 21031-1091
(410) 682-5985 FAX (410) 682-5700
Green Diamond 1040
Green Diamond 1636
Green Diamond 1650
Green Diamond 2050

16. Glenbrook Nickel Company
Cheryl Anderson
5039 Riddle By-Pass Road
Riddle, OR 97469
(503) 874-3111 FAX (503) 874-3113
17. Gordon Sand Company  
   Jim Whitney  
   2201 S. Santa Fe Ave.  
   Compton, CA  90224  
   (213) 774-7930  FAX (213) 537-2463  
   Golden Flint G-16  
   Golden Flint G-20  
   Golden Flint G-30  
   Lapis Luster G-12  
   Silver Flint S-12  
   Silver Flint S-16  
   Silver Flint S-20  
   Silver Flint S-30

18. Manufacturer:  
   Garnet Millers Associate Pty. Ltd.  
   Robert J. Wicks, Executive Director  
   Gould Road  Geraldton  
   WA 6530  Australia  
   GMA 30 X 60  
   ROM 30 X 60  
   *(cpff = #140 sieve)  
   GMA 60 mesh  
   *(cpff = #140 sieve)  
   GMA 80 mesh  
   *(cpff = #140 sieve)

   Distributor:  
   Barton Mines Corporation  
   James L. Nash  
   Blastmedia Division  
   1658 Cole Blvd.  #190  
   Golden, CO  80401

19. Harsco Corporation  
   Reed Mineral Division  
   K. C. Anderson  
   8149 C Kennedy Avenue  
   Highland, IN  46322  
   (219) 923-4200  FAX (219) 923-4200  ext 251  
   Reed Minerals/Harsco  Black Beauty - 2550  
   7100 & 7200 W. 9th Ave.  
   Gary, IN  46406

   Reed Minerals/Harsco  Black Beauty - 1243  
   River Road at Merrimack  
   Power Station  
   Concord (Bow), N.H. 03302  
   Black Beauty - 2043
Reed Minerals/Harsco 2170 Plant Road Memphis, TN 38109

Reed Minerals/Harsco State Road 176 Drakesboro, KY 42337

Reed Minerals/Harsco 600-800 Outer Drive LaCygne, KS 66040

*cpff=Cut-point for fineness

---

20. Kleen Blast Division Leisure Investment Company 3650 N. W. Yeon Ave. Portland, OR 97210

Plant:
Pacific Abrasives & Supply & Inc. Wayne Chard/Tim Spurgeon West Carson Road Grand Forks, British Columbia Canada

604) 442-3626 FAX (604) 442-3095

Kleen Bla: 8-12 Kleen Bla: 30-60 Kleen Bla: 16-3 Kleen Bla: 16 Kleen Bla: 35

---

21. Michigan Sand Company Philip M. Leech 1645 Marion Street, Box 174 Grand Haven, MI 49417

(616) 842-8560 FAX (616) 842-1573

Plant:
3400 Littlefield Rd. Mt. Pleasant, MI 49417

Diamond Blast II 20/40 Diamond Blast II 20/70

---

22. Minerals Research and Recovery of Arizona, Inc. Thomas Hurkett 4565 South Palo Verde #203 Tucson, AZ 85714

(602) 748-9362 FAX (602) 748-9364

Sharpshot F-80(25) Sharpshot F-80(36) Sharpshot M-60

---

23. Mt.Pulaski Products, Inc. R. Scott Steinfort 904 North Vine Mt. Pulaski, IL 62548

Martin Ledwitz, Southern California Edison (818) 302-9538 FAX (818) 302-9730

Corn Cob Mixture 14/20 Grit 2
24. Nietim
Jan Legrand
7 Noordhoek
Papendrecht 3351 LD
The Netherlands
011-31-78-158122
Plant: Dordrecht, The Netherlands

25. Patterson Materials Corporation
Vince Lombardi
Pleasant Ridge Road
Wingdale, NY 12594-0800

26. Parker Brothers & Company, Inc.
George L. Parker
5101 Navigation
Houston, TX 77011
(713) 928-8400 FAX (713) 928-8490

27. Parker Mining Corporation
Sidney S. Alderman
2691 Green Street
San Francisco, CA 94123
(415) 292-4003 FAX (415) 292-4140

28. P. W. Gillibrand Company
John C. Heter
5131 Tapo Cyn. Rd.
Simi Valley, CA 93063
(805) 526-2195 FAX (805) 522-4031

29. R.A. Barnes, Inc.
Matthew P. Barnes
151 S. Michigan Street
Seattle, WA 98108
(206) 762-0920 FAX (206) 762-1135

30. RDM Multi-Enterprises, Inc.
Dominic DiFrancesco
P. O. Box 179
Anaconda, MT 59711
(406) 563-3433 FAX (406) 563-3435

Expires 8/31/94

Nietim Blastgrit Grade 10/40
Nietim Blastgrit Grade 12/40
Nietim Blastgrit Grade 16/40
Nietim Blastgrit Grade 30/60

Fastblast 12/16
Fastblast 16/30

Tungsten Hills Garnet Grade 28
Tungsten Hills Garnet Grade 40

Gillibrand #12 Silver
Gillibrand #16 Silver
Gillibrand #20 Silver
Gillibrand #30 Silver
Gillibrand M-16
Gillibrand M-20
Gillibrand M-30

Safe-T-Blast Type I

Ferro Blast 8-12
Ferro Blast 8-20
Ferro Blast 16-30
Ferro Blast 36
Ferro Blast 30-60
Best Grit 8-12
Best Grit 8-20
Best Grit 16-30
Best Grit 30-60
Best Grit 36
Ferro Blast-73 8-12
Ferro Blast-73 8-20
Ferro Blast-73 16-30
Ferro Blast-73 36

Plant:
1/2 mi. east of Anaconda on
Montana Hwy. #1
Anaconda, MT 59711
31. Ron Hanna Mining Company  
Ron Hanna  
136 Gail Gardner Way  
Prescott, AZ 86301  
(602) 778-3575  

Distributor:  
S & S Minerals and Abrasives  
Kenneth Lathrop  
1335 W. 15th Street  
Long Beach, CA 90813  
800-924-3477 FAX (310) 435-8327

32. RMC Lonestar  
Ronald Stickel  
4750A Norris Cy. Rd.  
San Ramon, CA 94583  
(510) 866-2780 FAX (510) 866-2983

33. San Pedro Mining Corporation  
John Young  
#900-999 West Hastings Street  
Vancouver, BC V6C 2W2 Canada  
(604) 689-1428 FAX (604) 683-6958

Silica Resources, Inc.  
Jack Greenhalgh, Ed Mallory  
and Tom Hale  
7516 A. Hammonton Rd.  
Marysville, CA 95901  
(916) 741-0290 FAX (916) 741-3457

Spreckles Limestone  
and Aggregates Products  
Leonard Bartley  
2601 Hwy 49, P.O.Box 230  
Cool, CA 95614  
(916) 885-4244 FAX (916) 885-8961

Superior Blast Medium  
Superior Blast Coarse

Lapis Lustre No. 3  
Lapis Luster No. 1/20  
Lapis Luster No. 1C  
Lapis Luster No. 2/12  
Lapis Luster No. 2-16  
Lapis Luster No. 0/30  
Clementina No. 3  
Clementina No. 1/20  
Clementina No. 1C  
Clementina No. 2/12  
Clementina No. 2-16  
Clementina No. 0/30

Garna-grit #1 Standard  
Garna-grit #2 Intermediate  
Garna-grit #3 Fine

SRI Supreme No. 8  
SRI Supreme No. 12  
SRI Supreme No. 16  
SRI Supreme No. 20  
SRI Supreme No. 30

Calcarb Medium  
Calcarb Coarse
S & S Associates
Ken E. Schmidt & C.L. Spaugy
31606 Jet Lane
Lucerne Valley, CA 92356
(619) 248-2111 FAX (619) 248-7330

37. Stan-Blast Abrasive Company, Inc.
Steve Collette
3300 River Road
Harvey, LA 70059
(504) 341-0451 FAX (504) 341-0455

38. Tidewater Materials, Inc.
H. M. Hedrick II
10696 Haddington Suite 112
Houston, TX 77043
(713) 468-1402 FAX (713) 468-0714

39. Transco
Rahm Nadhan
1300 Marlin Ave.
Foster City, CA 94404
(415) 571-6639 FAX (415) 572-9395
Plant: Tuticorin, India

40. Tru-Grit Abrasives
Leisure Investment Company
Tim Spurgeon
1110 E. Alexander Ave.
Tacoma WA 98421
(510) 831-9800 FAX (510) 831-9183
Plant: 1110 E. Alexander Ave.
Tacoma, WA 98421

Unimin Corporation
Roger Messier
4601 Cascade Road
Emmett, ID 83617
(208) 365-7153 FAX (208) 365-5235

Garnet Reef 25
Garnet Reef 36
Garnet Reef 46

Sure-Shot Utility (New Orleans Plant)

Heavy Blast
3300 River Road
Harvey, LA

Ocean Garnet 20-40

Utility
SB 16-40
APB (all purpose blend)
Tank Blend
Fine

Uniblast 2.0
Uniblast 3.0
Uniblast 3.4
Uniblast 4.0
42. Universal Ground Cullet, Inc.
   Robert F. VanBuskirk
   6407 Wolf Road
   Brook Park, OH 44142
   (216) 267-8057  FAX (216) 267-8067

43. Valley Sand and Gravel Company
   Cynthia Barton
   15555 Trona Airport
   Trona, CA 93562
   (619) 372-4944  FAX (619) 372-4945

44. Virginia Materials
   John W. Burns
   3306 Peterson Street
   Norfolk, VA 23509
   (804) 855-0155  FAX (804) 857-5631

Expires 8/31/94

M-1010  10-30
M-1013  16-20
M-1015  20-40

Desert Diamond Coarse-No. 5
Desert Diamond Coarse-No. 10
Desert Diamond Medium-No. 20
Desert Diamond Medium-No. 30

Black Blast 8-40
(Norfolk, VA Plant)