

California Air Resources Board



Advisory

Abrasive Certification List

Number 73

August 31, 1991

The purpose of this advisory is to inform local air pollution control districts and other interested persons of Executive Order G-669 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-669 will expire on August 31, 1992, after which a new list of 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 all abrasive blasting to be conducted within a permanent building with specified exceptions, require the use of ARB certified abrasives, wet, hydroblasting or vacuum blasting techniques, or steel or iron shot/grit for all permissible blasting not conducted within a permanent building, apply a 40 percent opacity visible emission standard to all permissible outdoor blasting, and apply a 20 percent opacity standard to abrasive blasting conducted within a permanent building regardless of the abrasive or abrasive blasting method used.

If you have any questions regarding Executive Order G-669 or the certification process, please contact Gary Zimmerman, Manager of the Source Test Section at (916) 322-2886.

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-669

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 and for some selected abrasive(s) the "Visible Emission Evaluation Test Method for Selected Abrasives Used in Permissible Dry Outdoor Blasting," 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, 1992.

IT IS FURTHER ORDERED that this Executive Order shall expire on August 31, 1992, 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 29 day of August, 1991 at Sacramento, California.


James D. Boyd
Executive Officer

EXHIBIT A

State of California
AIR RESOURCES BOARD

Executive Order G-669

ABRASIVES CERTIFIED FOR PERMISSIBLE DRY OUTDOOR BLASTING pursuant to Section 92530 of Subchapter 6, Title 17, California Code of Regulations:

<u>Company</u>	<u>Brand Name or Grade</u>
Alpheus Cleaning Technologies Corp. Thomas Fahey 9105 Milliken Ave. Rancho Cucamonga, CA 91730 (714) 944-0055	CO ₂ Cleanblast
2. Apache Abrasive Inc. H. M. Hedrick II P.O. Box 19279 Houston, TX 77224 (713) 468- 5647	Apache-Blast 12-50 Apache-Blast Utility
3 Applied Industrial Materials Corporation (AIMCOR) Robert Henning One Parkway North, Suite 400 Deerfield, IL 60015 (708) 940-8700	Green Lightning 20 x 46
4. Barton Mines Corporation J. L. Nash P.O. Box 400 North Creek, NY 12853 (518) 251-2532	Barton 1640
5. Blackhawk Slag Products Robert L. Soehnen P.O. Box 213 Midvale, Ut 84047 (801) 561-2408	Blackhawk Fine Blackhawk Medium Blackhawk Utility
6 California Silica Products Company D. G. Hendrickson P.O. Box 249 San Juan Capistrano, CA 92693 (714) 728-0171	#12 #16 #20 #30

7. Corona Industrial Sand Company
Stan D. Hendrickson
20125 Temescal Cyn. Rd.
Corona, CA 91719
(714) 735-4660
Cisco #12
Cisco #16
Cisco #20
Cisco #30
8. Cominco American Resources
Mark Gadsby
Glenbrook Nickel Company, P.O. Box 85
Riddle, OR 97469
(503) 874-3111
Ruby Garnet 16
Ruby Garnet 36
9. Crystal Peak Garnet Corp.
Robert Wolfe
701 675 West Hasting Street
Vancouver, BC V6B 1N2 Canada
(604) 684-6287
16-40
10. Desert Garnet
Michael Millar
P.O. Box 578
Cadiz, CA 92319
(619) 254-3410
Gemshot #36
Gemshot 30-60
Geronimo #36
Geronimo 30-60
11. Don Kelland Materials, Inc.
Don Kelland
2217 E. 13th Street
Yuma, AZ 85366-4909
(602) 782-4525
Arizona Utility
12. Dwyer Consolidated Mines, Inc.
Stephen Dwyer
31360 Las Flores Way
Thousand Palms, CA 92276
(619) 343-0344
Garnex Storm #16
Garnex Storm #20
Garnex Storm #40
Garnex Storm #60
13. E.I. Du Pont De Nemours & Company, Inc.
Robert A. Frank
Chestnut Run Plaza Bldg. 709
Wilmington, DE 19880-0709
(302) 999-02124
Biasill
*(cpff = #200 sieve)
Starblast
*(cpff = #200 sieve)
Starblast XL
*(cpff = #200 sieve)
Zirclean
*(cpff = #270 sieve)

*cpff = Cut-point for fineness

14 Foster-Dixiana Corporation
Carl L. Foster
P.O. Box 2005
Columbia, SC 29202
(803) 791-3129

Black Diamond-CX8
Black Diamond-CX12

Norfolk Plant
5360 Bainbridge Blvd.
Chesapeake, VA 23320

Columbia Plant
3308 Charleston Highway
West Columbia, SC 29169

Savannah Plant
Hardeeville Industrial Park
Highway 321
Hardeeville, SC 29927

Fusco Abrasive Systems, Inc.
Steve Rosin
17899 South Susana Road
Compton, CA 90221
(231) 637-3427

U.S. Technology Corporation
Poly Plus

P. W. Gillibrand Company
John C. Heter
P.O. Box 3476
Simi Valley, CA 93063
(805) 526-2195

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

17. Gemstar Stone Products Company
Heinz E. Oest
Executive Plaza IV
Hunt Valley, MD 21031-1091
(301) 877-3440

Camel Black, Utility Grade

Glenbrook Nickel Company
Mark Gadsby
P.O. Box 85
Riddle, OR 97469
(503) 874-3171

Green Diamond 10-40
Green Diamond 16-36
Green Diamond 16-50
Green Diamond 20-50

19. Gordon Sand Company
Jim Whitney
P.O. Box 5549
Compton, CA 90224
(213) 774-7930
- 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
20. Manufacturer:
Emerald Creek Garnet Milling Co. #36
Norman (Bud) L. McCall, President #30/40
Box 190 #50X
(208) 245-2797
Fernwood, ID 83830
- Distributor:
Gordon Sand Company
Jim Whitney
P.O. Box 5549
Compton, CA 90224
(213) 774-7930
21. Manufacturer:
Garnet Millers Australia Pty. Ltd. ROM 30 X 60
Robert J. Wicks, Executive Director
P.O. Box 188 Geraldton
W.A. 6530 Australia
- Distributor:
Barton Mines Corporation
James L. Nash
Blastmedia Division
1658 Cole Blvd. #190
Golden, CO 80401
- Distributor:
Gordon Sand Company
Jim Whitney
P. O. Box 5549
Compton, CA 90224
(213) 774-7930
22. Grangrit, Inc. Grangrit-Medium
Allen K. Evans
3300 River Road
Harvey, LA 70059
(504) 341-0451

23. Harsco Corporation
Reed Mineral Division
Ryan R. Preble
8149 C Kennedy Avenue
Highland, IN 46322
(219) 923-4200
- Reed Minerals/Harsco
2170 Plant Road
P.O. Box 9454
Memphis, TN 38109
- Black Beauty
- Reed Minerals/Harsco
River Road at Merrimack
Power Station
Concord (Bow), NH 0302
- Black Beauty - 1243
Black Beauty - 2043
- Reed Minerals/Harsco
7100 W. 9th Avenue
Gary, IN 46406
- Black Beauty -
- Reed Minerals/Harsco
State Road 176
Drakesboro, KY 42337
- Black Beauty - 1040
Black Beauty - 1240
24. Hydro-Air Products, Inc.
Paula Hinkley
4720 East District Blvd.
Vernon, CA 90058
(213) 589-7999
- E.I. DuPont de Nemors & Co.
Coarse staurolite
25. Industrial Mineral Products (Phil) Inc
Reserve Abrasives
C.S. (Nick) Ferris (303) 424-3007
I.M.P. (Phil) Inc. P.O. Box 1008
Cebu City, Philippines 6000
Philippines-0011 63 32 78083
- Utility
26. Kayway Industries, Inc.
Tom Jensen
2100 McGillivray Blvd.
Winnipeg, Manitoba R3T 3N5 Canada
(204) 453-4120
- Kayway Grit 16-30
Kayway Grit 20-40

27. Minerals Research and Recovery
of Arizona, Inc.
Don E. Byron
4565 South Palo Verde #203
Tucson, AZ 85714
(602) 748-9362
Sharpshot F-80(25)
Sharpshot F-80(36)
Sharpshot M-60
28. Pacific Abrasives & Supply & Inc.
Wayne Chard
West Carson Road
Grand Forks, British Columbia V0H IHO
(604) 442-3626
Kleen Blast 16-30
Kleen Blast 35
Kleen Blast 16
Kleen Blast 8-12
Kleen Blast 30-60
29. Parker Brothers & Company, Inc.
George L. Parker 12-50
P.O. Box 107
Houston, TX 77001
(713) 928-8400
8-20
30. Parker Mining Corporation
John A. Riddle
P.O. Box 470817
San Francisco, CA 94147-0817
(415) 537-6438
Little Sister Garnet Grade 28
Little Sister Garnet Grade 40
31. R.A. Barnes, Inc.
Tony Stewart
1617 N. Columbia Blvd.
Portland, OR 97217
(503) 283-4191
Safe-T-Blast Type I
Safe-T-Blast Type II
32. RDM Multi-Enterprises, Inc.
Dominic DiFrancesco
P. O. Box 179
Anaconda, MT 59711
(406) 563-3433
Ferro Blast 8-20
Ferro Blast 16-30
Ferro Blast 36 fine
Ferro Blast 30-60 X-fine
Best Grit 8-20
Best Grit 16-30
Best Grit 36 fine
Best Grit 30-60 X fine
Ferro Blast-73 #8/20
Ferro Blast-73 #16/30
Ferro Blast-73 #36

33. RMC Lonestar
Jay Simons
P. O. Box 5252
Pleasanton, CA 94566
(415) 866-2780

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

Ron Hanna Mining Company
Ronald G. Hanna
1410 W. Gurley
Prescott, AZ 86301
(602) 778-3575

Superior Coarse
Superior Medium

35. Spreckles Limestone
and Aggregates Products
Leonard Bartley
2601 Hwy 49
Cool, CA 95614
(916) 885-4244

Calcarb Medium
Calcarb Coarse

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

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

Stan-Blast Abrasive Company, Inc.
Michael D. Vick
P.O. Box 968
Harvey, LA 70059
(504) 341-0451

Stan-Blast-Galveston, Tx
Stan-Blast-Harvey, La

38. 3M Company
John Pauly or R.J. Sloan
P.O. Box 1328
Corona, CA 91718
(714) 737-3441

3M C-110
3M C-111

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| Tidewater Materials of Virginia, Inc.
H. M. Hedrick II
P.O. Box 79747
Houston, TX 77224
(713) 468-1402 | Sure-Shot Utility
(New Orleans Plant)
Sure-Shot Utility
(Portsmouth Plant) |
| Union Pacific Resources
Brent Young
1380 South 12100 West
Magna, UT 84044
(801) 250-9474 | Copper Blast medium
Dynacut 100
Dynacut coarse
Dynacut medium
Dynacut MSR (fine) |
| Unimin Corporation
Charles Collins
4601 Cascade Road
Emmett, ID 83617
(208) 365-7153 | Granusil #16
Granusil #20
Granusil #30 |
| 42. Valley Sand and Gravel
Tom Hale
84749 Searles Street
Trona, CA 93562
(619) 372-4944 | Desert Diamond Coarse
Desert Diamond Medium |
| 43. Virginia Materials Corporation
Leonard Swann
5660 East Virginia Beach Boulevard
Suite 103
Norfolk, VA 23502
(804) 461-0061 | VMC Black Blast
Norfolk, VA Plant |
| 44. Waupaca Materials,
A Division of Falks Bros.
Construction Company, Inc.
Sydney Falks, Robert Falks, and Randall Falks
E3481 Hwys. 22 & 54
Waupaca, WI 54981
(414) 634-1343 | Blackjack MSM |