

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
November 24, 2004

This list supersedes the September 3, 2004 list.

Applicable Special Provisions

Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

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<u>SUPPLIER:</u> Ameren Services , 1901 Chouteau Ave., P.O. Box 66149, MC611, St. Louis, MO 63166 (Contact: Bret Brown, Asset Management Executive, Ph: 314-554-2145 - FAX: 314-554-4188)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> ^C	<u>Average Specific Gravity</u>
Ameren Energy Gen. Co. ^B Newton Power Station Newton, IL	1, 2	50793-01	C	37801	3.3	2.67

<u>SUPPLIER:</u> Chicago Cement, Inc. , 2255 S. Lumber St., Chicago, IL 60616 (Contact: Lee Crisp, Quality Assurance Manager, Ph: 312-432-8100/FAX: 312-432-8101)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> ^C	<u>Average Specific Gravity</u>
Dominion ^{B, D} State Line Energy, LLC Hammond, IN	3	52103-20	C	37801	2.6	2.66

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SUPPLIER: Headwaters Resources , 4043 N. Euclid Avenue, Bay City, MI 48706 (Contact: Donna VanSumeren,, Ph: 989-671-1500 - FAX: 989-671-1504)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> ^C	<u>Average Specific Gravity</u>
Alliant Utilities ^B Burlington Station Burlington, IA	1	52203-05	C	37801	3.7	2.74
Associated Electric ^{A,B} Thomas Hill Station Clifton, MO	3	52303-06	C	37801	3.3	2.61
IEC, Inc. ^B Ottumwa Station Near Chillicothe, IA	1	52203-02	C	37801	3.6	2.64
Dynegy Midwest ^{A,B} Baldwin Power Station Baldwin, IL	3	51573-01	C	37801	3.4	2.70
Dynegy Midwest ^{A,B} Hennepin Station Hennepin, IL	1, 2	51553-01	C	37801	3.1	2.67
Dynegy Midwest ^B Wood River Power Plant Alton, IL	4,5	51193-94	C	37801	3.4	2.74
Dynegy Midwest ^A Vermillion Station Oakwood, IL	1,2	51833-01	F	37802	0.0	2.36
IN-KY Electric ^A Clifty Creek Plant Madison, IN	1	52103-28	C	37801	1.5	2.59
Interstate Power Co. ^B Lansing Generating Station Lansing, IA	1	52203-06	C	37801	4.1	2.68
Interstate Power Co. ^B M.L. Kapp Power Station Clinton, IA	1	52203-10	C	37801	3.3	2.75
Mid American Energy ^{A,B} Louisa Station Near Muscatine, IA	1	52203-01	C	37801	3.3	2.59
N. Indiana Public Service ^{A,B} Schahfer Power Station Wheatfield, IN	15	52103-18	C	37801	2.6	2.61

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Mid American Energy ^{A, B} Port Neal Station Sioux City, IA	3	52203-07	C	37801	4.1	2.64
Mid American Energy ^{A, B} Port Neal Station Sioux City, IA	4	52203-08	C	37801	3.7	2.61
Sikeston Power Plant ^{A, B} Sikeston Station Sikeston, MO	1	52303-05	C	37801	2.7	2.60

SUPPLIER: Mineral Resource Technologies, Inc. - A Cemex Company , 2700 Research Forest Drive, Suite 150, The Woodlands, TX 77381-4226 (Contact: James Hicks, Director Technology Center, Ph: 800-615-1100 – FAX: 281-362-0370)

<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor^c</u>	<u>Average Specific Gravity</u>
Ameren UE ^{A, B} Meramec Power Plant St. Louis, MO	1,2	52303-08	C	37801	3.0	2.67
Ameren UE ^{A, B} Rush Island Power Station Festus, MO	1, 2	52303-07	C	37801	3.7	2.74
Electric Energy Power ^{A, B} Joppa Power Station Joppa, IL	3, 4	51273-01	C	37801	3.7	2.71
Indianapolis P & L Co. ^A Petersburg Power Station Petersburg, IN	3, 4	52103-12	F	37802	0.0	2.51
Union Electric ^{A, B} Labadie Station Labadie, MO	1, 2	52303-04	C	37801	3.1	2.68

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SUPPLIER:	Lafarge North America , 20408 W. Renwich Rd., Lockport, IL 60441-0089 (Contact: Brian Borowski, Quality Assurance Manager, Ph: 800-323-5949/Ext.307 - FAX: 630-505-0330)
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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> ^c	<u>Average Specific Gravity</u>
Alliant Power ^{A, B} Edgewater Station Sheboygan, WI	5	52403-05	C	37801	3.0	2.63
Commonwealth Edison ^{B, D} Crawford Station Chicago, IL	7, 8	50313-53	C	37801	3.1	2.73
Commonwealth Edison ^{B, D} Fisk Station Chicago, IL	19	50313-51	C	37801	3.1	2.71
Commonwealth Edison ^B Joliet Station Joliet, IL	7, 8	51973-64	C	37801	3.0	2.76
Commonwealth Edison ^B Waukegan Station Waukegan, IL	7, 8	50973-16	C	37801	3.6	2.71
Commonwealth Edison ^B Will County Station Romeoville, IL	3, 4	51973-18	C	37801	3.3	2.74
Indiana-Michigan Power ^{A, B} Rockport Station Rockport, IN	1, 2	52103-19	C	37801	2.3	2.54
Muscatine Power & Water ^{A, B} Muscatine Station Muscatine, IA	9	52203-04	C	37801	2.7	2.68
We-Energies ^B Oak Creek Station Oak Creek, WI	7, 8	52403-06	C	37801	3.3	2.65
Wisconsin Electric Power ^{A, B} Pleasant Prairie Station Near Kenosha, WI	1, 2	52403-02	C	37801	2.9	2.48

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<u>Source</u>	<u>Unit No.</u>	<u>Producer/ Supplier No.</u>	<u>Class</u>	<u>Material Code No.</u>	<u>R Factor</u> ^c	<u>Average Specific Gravity</u>
Wisconsin Power & Light ^{A,B} Columbia Station Portage, WI	1, 2	52403-03	C	37801	4.2	2.69
Wisconsin Public Service Corp. ^{A, B} Weston Station Rothschild, WI	1,2,3	52403-07	C	37801	2.7	2.60

^A Recent test data has shown that the average available alkalies, as equivalent Na₂O, of the fly ash from this source is less than 1.50%. However, this does not necessarily ensure that fly ash in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that fly ash from this source is below any applicable specification requirement.

^B Recent test data has shown that the average calcium oxide (CaO) of the Class C fly ash from this source is 18%, or greater, and the loss on ignition (LOI) is less than 2.0%. However this does not ensure that fly ash in subsequent shipments will continue to exhibit these properties. Users are advised to request current test data for CaO and LOI when specifying fly ash meeting these requirements.

^C The R value, an indicator of the relative sulfate resistance of a fly ash, is a ratio of calcium to iron oxide expressed as follows:
R = (% CaO - 5) ÷ (% Fe₂O₃).

^D Fly ash from this source shall not be used as a partial replacement for portland cement that is manufactured by Cemex, Inc., Charlevoix, MI (P/S #5824-01).

NOTE: There are currently no fly ash sources with a maximum average available alkali content of 1.00%.

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GROUND GRANULATED BLAST-FURNACE SLAG

<u>PRODUCER/SUPPLIER:</u> Holcim (US) Inc., 3020 East 103rd Street, Chicago, IL 60617 (Contact: Robert Carrillo, Quality Control Manager, Ph: 773-768-1717 – FAX: 773-768-5997)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Holcim (US) Inc. ^E Chicago Grinding Plant 3200 East 102nd Street Chicago, IL 60617	544-07	100	37821	2.83

<u>PRODUCER/SUPPLIER:</u> Lafarge North America, 332 Mason Ridge Drive, St. Charles, MO 63304 (Contact: Brad Adkins, Quality Coordinator Ph. 618-543-3934 FAX: 618-543-3993)

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Lafarge North America ^E Joppa Plant Grand Chain, IL 62941	4116-05	120	37822	2.83

<u>PRODUCER/SUPPLIER:</u> Lafarge North America, 2150 E. 130th St., Chicago, IL 62633 (Contact: David Ledesma, Quality Control Manager, Ph: 773-646-3302 - FAX: 773-646-3360)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Lafarge North America ^E South Chicago Grinding Facility 215 E. 130th Street Chicago, IL 62633	4116-07	120	37822	2.88

<u>PRODUCER/SUPPLIER:</u> Buzzi Unicem USA, Inc., 14900 Intracoastal Drive, New Orleans, LA 70129 (Contact: Ron Rajki, Quality Manager, Ph: 504-254-6454 - FAX: 504-254-6458)
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<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Buzzi Unicem USA, Inc. ^E New Orleans Plant 14900 Intracoastal Drive New Orleans, LA 70129	6097-05	120	37822	2.87

^E Recent test data has shown that the average available alkalis, as equivalent Na₂O, of the ground granulated blast-furnace (GGBF) slag from this source is less than 1.00%. However, this does not necessarily ensure that GGBF slag in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that GGBF slag from this source is below any applicable specification requirement.

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HIGH REACTIVITY METAKAOLIN (HRM)

<u>PRODUCER/SUPPLIER:</u> Engelhard Corp., 25 Middlesex-Essex Turnpike, Iselin, NJ 08830-2708 (Contact: Tony Reed, Technical Service, Ph: 732-205-5398 - FAX: 908-205-5300)

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Engelhard Corporation ^F Highway 18 Spur Gordon, GA 31031	5554-01	37803	2.50

MICROSILICA

<u>PRODUCER/SUPPLIER:</u> Elkem Materials, Inc., Rt. 60, Alloy, WV 25002 (Contact: Ed A. Mays, Quality Manager, Ph: 304-779-3200 - FAX: 304-779-3244)

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Elkem Metals Co. ^G Route 60 Alloy, WV 25002	4154-01	37852	2.15

^F Recent test data has shown that the average available alkalies, as equivalent Na₂O, of the HRM from this source is less than 1.00%. However, this does not necessarily ensure that HRM in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that HRM from this source is below any applicable specification requirement.

^G Recent test data has shown that the average available alkalies, as Na₂O, of the microsilica from this source is less than 1.00%. However, this does not necessarily ensure that microsilica in subsequent shipments will continue to exhibit this property. Users are advised to request current test data showing that microsilica from this source is below any applicable specification requirement.