

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

For information regarding new product submittal, click the "New Submittal" bookmark to the left.

FLY ASH

<u>SUPPLIER:</u> Charah Inc. , 12601 Plantside Dr., Louisville, KY 40299 (Contact: Danny Gray, P.E., Ph 502-245-1353 FAX: 502-245-7398)
--

<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>
Louisville Gas & Electric Mill Creek Power Station Louisville, KY	1,2,3,4	52503-05	F	37802	-0.03	2.52

<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)
--

<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>
Dominion ^A State Line Energy, LLC Hammond, IN	3	52103-20	C	37801	2.91	2.72

<u>SUPPLIER:</u> Fly Ash Direct Ltd. , 4228 Airport Rd. Cincinnati, OH 45226 (Contact Scott Keith, Operations Manager, Ph: 513-871-9733 FAX: 513-871-1974)

<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>
Duke Energy Wabash River Gen. Station West Terre Haute, IN	6	52103-02	F	37802	-0.20	2.47
Indiana – Kentucky Electric Corp Clifty Creek Power Plant Madison, IN	1,2,3,4,5,6	52103-28	C	37801	1.23	2.63

Note:
Treated for
air content
(CaO) < 18%

<u>SUPPLIER:</u> Headwaters Resources , James River Power Plant, Farm Rd. 167 & 169 Springfield, MO 65804 (Contact: Ben Franklin, Director of Technical Services (Central), Ph: 501-305-4006 FAX: 501-305-4223)
--

<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>
Alliant Utilities ^B Burlington Station Burlington, IA	1	52203-05	C	37801	3.43	2.78
Associated Electric ^A Thomas Hill Station Clifton, MO	3	52303-06	C	37801	3.35	2.68
Dairyland Power Cooperative ^A Genoa Generating Station Genoa, WI	G-3	52403-08	C	37801	2.45	2.62

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

SUPPLIER: Headwaters Resources , James River Power Plant, Farm Rd. 167 & 169 Springfield, MO 65804 (Contact: Ben Franklin, Director of Technical Services (Central), Ph: 501-305-4006 FAX: 501-305-4223)

<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>
IEC, Inc. ^B Ottumwa Station Near Chillicothe, IA	1	52203-02	C	37801	3.43	2.75
Interstate Power Co. ^A Lansing Generating Station Lansing, IA	1	52203-06	C	37801	3.24	2.72
Interstate Power Co. ^A M.L. Kapp Power Station Clinton, IA	1	52203-10	C	37801	3.47	2.71
Mid American Energy ^A Louisa Station Near Muscatine, IA	1	52203-01	C	37801	3.42	2.68
Sikeston Power Plant ^A Sikeston Station Sikeston, MO	1	52303-05	C	37801	2.66	2.62

SUPPLIER: Headwaters Resources , 1217 Cape Coral Pkwy E 190 Cape Coral, FL 33904 (Contact: Craig Wallace Technical Director Eastern Division, Ph: 239-565-2338 Fax: 866-449-8108)
--

<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>
Consumer Energy ^A J. H. Campbell Power Plant West Olive, MI	1,3	52603-02	C	37801	2.80	2.64
Dynegy Midwest ^A Baldwin Power Station Baldwin, IL	3	51573-01	C	37801	3.15	2.69
Dynegy Midwest ^A Havana Power Station Havana, IL	6	51253-01	C	37801	3.16	2.65
Dynegy Midwest ^A Hennepin Station Hennepin, IL	1, 2	51553-01	C	37801	3.02	2.69
Dynegy Midwest ^A Vermilion Station Oakwood, IL	1, 2	51833-01	C	37801	3.67	2.68
Dynegy Midwest ^A Wood River Power Plant Alton, IL	4,5	51193-94	C	37801	3.11	2.69
Lansing Board of Water & Light ^A Eckert Station Lansing, MI	1,2,3,4,5,6	52603-04	C	37801	2.77	2.61

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

SUPPLIER: **Headwaters Resources**, 1217 Cape Coral Pkwy E 190 Cape Coral, FL 33904
(Contact: Craig Wallace Technical Director Eastern Division, Ph: 239-565-2338 Fax: 866-449-8108)

<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>
Lansing Board of Water & Light ^A Erickson Station Lansing, MI	1	52603-03	C	37801	2.88	2.63
N. Indiana Public Service ^A Schahfer Power Station Wheatfield, IN	15	52103-18	C	37801	2.85	2.62

SUPPLIER: **Lafarge North America**, 20408 W. Renwick Rd., Lockport, IL 60441-0089
(Contact Steve Butler, Quality Assurance Manager, Ph: 800-323-5949/Ext.307 FAX: 630-505-0330)

<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>
Alliant Power ^A Columbia Station Portage, WI	1, 2	52403-03	C	37801	3.61	2.68
Alliant Power ^A Edgewater Station Sheboygan, WI	5	52403-05	C	37801	3.48	2.68
EME Midwest Generation ^{D,F} Joliet Station Joliet, IL	7, 8	51973-64	C	37801	3.87	2.75
EME Midwest Generation ^E Waukegan Station Waukegan, IL	7, 8	50973-16	C	37801	3.76	2.73
We-Energies ^A Oak Creek Station Oak Creek, WI	7,8	52403-06	C	37801	3.34	2.69
We-Energies ^A Pleasant Prairie Station Near Kenosha, WI	1, 2	52403-02	C	37801	2.73	2.53
Wisconsin Public Service Corp. ^A Weston Station Rothschild, WI	1,2,3	52403-07	C	37801	2.69	2.66

SUPPLIER: **Lafarge North America**, 15100 E. Courtney Atherton Rd., Independence, MO 64058
(Contact: Tina M. Tucholski, Laboratory Supervisor, Ph: 816-918-0201 FAX: 816-257-5930)

<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>
Muscatine Power & Water ^B Muscatine Station Muscatine, IA	9	52203-04	C	37801	2.84	2.70

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

SUPPLIER: Mineral Resource Technologies, Inc. - A Cemex Company,
920 Memorial City Way Suite 100 Houston, TX 77024
(Contact: Oscar Jaramillo, Engineer/QC Ph: 813-220-6537 FAX: 813-677-7597)

<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 ^B Rush Island Power Station Festus, MO	1, 2	52303-07	C	37801	3.44	2.75
Indianapolis P & L Co. Petersburg Power Station Petersburg, IN	3, 4	52103-12	F	37802	-0.12	2.54
Union Electric ^A Labadie Station Labadie, MO	1, 2	52303-04	C	37801	2.79	2.69

- ^A Recent test data has shown that the average calcium oxide (CaO) of the Class C fly ash from this source is $\geq 18\%$ to $< 26.5\%$, 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.
- ^B Recent test data has shown that the average calcium oxide (CaO) of the Class C fly ash from this source is $\geq 26.5\%$, 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:

$$R = (\% \text{ CaO} - 5) \div (\% \text{ Fe}_2\text{O}_3).$$
- ^D Fly ash from this source shall not be used as a partial replacement for portland cement that is manufactured by St. Mary's Cement Co., Dixon, IL (P/S # 2207-05)
- ^E The fly ash shall not be used in portland cement concrete or cement aggregate mixture II (Article 1010.02 (b)).
- ^F Recent test data has shown that the average calcium oxide (CaO) of the Class C fly ash from this source is $\geq 26.5\%$, and the loss on ignition (LOI) is 2.0% or greater. 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.

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

GROUND GRANULATED BLAST-FURNACE SLAG

<u>PRODUCER/SUPPLIER:</u> Holcim (US) Inc., 3020 East 103rd Street, Chicago, IL 60617 (Contact: Roberto Carrillo, Quality Supervisor, Ph: 773-768-1717 FAX: 773-768-5997)

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Holcim (US) Inc. Chicago Grinding Plant 3020 East 103rd Street Chicago, IL 60617	544-07	100	37821	2.90

<u>PRODUCER/SUPPLIER:</u> Lafarge North America, 2150 E. 130th St., Chicago, IL 62633 (Contact: Srivijay Kalidas, Quality and Process Engineer, Ph: 773-646-3150 FAX: 773-646-3360)
--

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Grade</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Lafarge North America South Chicago Grinding Facility 215 E. 130th Street Chicago, IL 62633	4116-07	120	37822	2.95
Lafarge North America South Chicago Grinding Facility 215 E. 130th Street Chicago, IL 62633	4116-07	100	37821	2.95
<u>Supplier for S.Chicago Facility</u>	<u>Supplier No.</u>	<u>Grade</u>	<u>Trade Name</u>	
St. Marys Cement Milwaukee WI Terminal	2207-91	100	CemPlus	
St. Marys Cement Manitowoc WI Terminal	2207-92	100	CemPlus	

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

HIGH REACTIVITY METAKAOLIN (HRM)

PRODUCER/SUPPLIER: **Advanced Cement Technologies, LLC**, 435 Martin St., Suite 2040, Blaine, WA 98231
(Contact: Ken McPhalen, Manager-Technical Services, Ph: 360-332-7060 FAX: 360-332-9321)

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Grace Davison 213 Kaolin Road Aiken, SC 29801	6206-01	37803	2.77

Illinois Department of Transportation
Bureau of Materials and Physical Research
APPROVED LIST OF SUPPLIERS FOR FINELY DIVIDED MINERALS
January 6, 2012

This list supersedes the December 23, 2011 list.

Standard Specifications for Road and Bridge Construction Section 1010 (Adopted January 1, 2007)
Current Policy Memorandum, "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications."

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. Route 60 Alloy, WV 25002	4154-01	37852	2.17

<u>Supplier for WV Source</u>	<u>Supplier No.</u>	<u>Trade Name</u>
Elkem Metals Co.	4154-01	EMS 970D
Euclid Chemical Co.	614-01	Eucon MSA
General Resource Technology	5204-01	EMS 970D
W. R. Grace	767-01	Force 10000D

<u>PRODUCER/SUPPLIER:</u> Norchem , Inc., 985 Seaway Drive, Suite A, Fort Pierce, FL 34949 (Contact :Gary M. Gapinski, Technical Services and QA Manager, Ph: 772-468-6110 FAX: 772-468-8702)
--

<u>Source</u>	<u>Producer/ Supplier No.</u>	<u>Material Code No.</u>	<u>Average Specific Gravity</u>
Norchem, Inc. P.O. Box 157, County Rd. 32 Beverly, OH 45715	5580-01	37852	2.24
Norchem, Inc. Route 60 East Allow, WV 25002	5580-02	37852	2.22

<u>Supplier for OH or WV Source</u>	<u>Supplier No.</u>	<u>Trade Name</u>
BASF	4179-04	Rheomac SF100
Euclid Chemical Co.	614-01	Eucon MSA
Sika Corp.	2231-01	Sikacrete 950 DP
W. R. Grace	767-01	Force 10000D

Illinois Department of Transportation
Bureau of Materials and Physical Research

**Finely Divided Minerals Used in
Portland Cement Concrete and Other Applications
Submittal for Testing and Approval**

Effective: July 27, 2007

A. Scope

The following guidelines are provided to clarify the submittal requirements and expedite the process for approving finely divided minerals according to the Department's current Standard Specifications for Road and Bridge Construction¹, current special provisions¹, and current policy memorandum "Acceptance Procedure for Finely Divided Minerals Used in Portland Cement Concrete and Other Applications"².

B. Procedure

When submitting finely divided minerals to the Department, the following shall be included:

For **Approved Sources** (approved by the Bureau to ship a finely divided mineral for immediate use on Department projects), refer to Section 4 of the policy memorandum.

For **Unapproved Sources** (ships a finely divided mineral which must be sampled, tested, and approved by the Bureau before it is used on Department projects), refer to Section 5 of the policy memorandum.

In addition to the requirements of the policy memorandum, the following shall be included:

- A signed letter stating the subject material will not be changed without written notification to the Department,
- Contact person's name, title, address, email address, and phone number, and
- Acknowledgement by Company (see next page).

The manufacturer shall submit a minimum 3 kg (6 lb.) sample of the subject material.

The sample and submittal information shall be sent to:

Jerry Hammitt
Illinois Department of Transportation
Bureau of Materials & Physical Research
126 East Ash Street
Springfield, IL 62704-4766

Any sample provided without the required information listed will not be tested. Any changes outside the manufacturer's original parameters will necessitate a new sample submittal. Additional sample submittals shall be according to the policy memorandum.

The manufacturer will be notified when the sample testing is complete. For questions regarding the testing and approval process, contact Jerry Hammitt at 217-782-4028.

¹ <http://www.dot.il.gov/desenv/hwyspecs.html>

² <http://www.dot.il.gov/materials/index2.html>

Illinois Department of Transportation
Bureau of Materials and Physical Research

**Finely Divided Minerals Used in
Portland Cement Concrete and Other Applications
Submittal for Testing and Approval**

Effective: July 27, 2007

Instructions for Acknowledgement by Company:

The owner, partner, or corporate officer shall complete the following and return a signed and dated copy with the product submittal or recertification.

_____ desires to obtain advance approval of materials to be
(Insert name of company)
supplied to Department of Transportation contractors as more fully described herein. I
and _____ understand that the Department of Transportation
(Insert name of company)
reserves the right in its contracts to approve materials at the source of supply as
provided in Article 106.01 of the Standard Specifications for Road and Bridge
Construction. I and _____ further understand that approval of
(Insert name of company)
company supplied material pursuant to this request does not constitute a contract to
supply material to the State of Illinois or any of its contractors, and that the Department
of Transportation does not assure or guarantee that any materials approved hereunder
will be supplied to the State or any of its contractors. In consideration of approval, I and
_____ agree to the terms, conditions and performance
(Insert name of company)
standards of the Standard Specifications for Road and Bridge Construction.

Type of Company: Individual Partnership Corporation

Company Name _____

Printed Name _____

Signature _____

Title _____

Business Address _____

City/State/Zip Code _____

Date of Signature _____