# U.S. Portland Cement Industry:

# Plant Information Summary

## December 31, 2019

America's Cement Manufacturers™
5420 Old Orchard Road
Skokie, Illinois 60077-1083
MAIN 847.966.6200 FAX 847.966.9201

**Market Intelligence Group**

| | |
|---|---|
| Edward J. Sullivan, Senior VP and Chief Economist | 847.972.9006 |
| Dave Zwicke, Sr. Director of Economic Analysis | 847.972.9192 |
| David Lan, Sr. Regional Economist | 847.972.9032 |
| Joseph T. Chiappe, Regional Economist & DB Manager | 847.972.9310 |
| Brian Schmidt, Sr. Regional Economist | 847.972.9042 |
| Trevor Storck, Economist | 847.972.9044 |
| John Huffman, Data Economist II | 847.972.9178 |
| Kaitlin Beer, Market Intelligence Analyst | 847.972.9176 |
| Wilena Tate, Market Intelligence Specialist | 847.972.9048 |


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# U.S. Executive Summary

***The U.S. cement industry*** is comprised of 95 cement plants (91 clinker-producing plants and 4 grinding facilities) operating 97.588 million metric tons of clinker capacity and over 122 mmt of finish grinding capability annually. The capacity totals collected in the 2019 Plant Information survey represent a rise in capacity from the 2016 survey's 96.3 mmt of clinker capacity. This is largely due to plant expansions and modernization of kilns, allowing for increased production capabilities. Several older kilns were retired since 2016 but only one plant has been retired during this period. 2017 and 2018 each saw two expansion projects come to completion. Survey data from 2019 translate to a increase in daily clinker capacity from 296,620 metric tons in 2016 to 298,193 in 2019. Average down days – for scheduled kiln maintenance, repair, or cleanup – were down in 2019 compared to 2016, from 40.3 to 37.7.

The 2019 plant survey reflects a continued trend in industry kiln count contraction. The number of clinker producing kilns decreased to 120 in 2019 from 130 in the 2016 report and 154 a decade ago. The average kiln, however, is larger than ever at 813,000 metric tons – more than double the average kiln size in 1999. This year's report also demonstrates continued plant modernizations among domestic cement manufacturers with the average kiln built in 1994.

During the years of 2017 through 2019, there were a number of changes to the U.S. cement industry landscape. Likely the most significant move was CRH plc. acquiring Ash Grove Cement Company and Suwannee American Cement in 2018. From the transition, the Branford and Sumterville plants both now fall under the Ash Grove name. Also in 2018, Cementir Holding became the majority owner of Lehigh White Cement. During this period there were also a few plant sales in the industry. In 2018, GCC of America purchased the Three Forks, Montana plant from CRH. The following year saw another announced plant sale with Eagle acquiring the Kosmos Cement plant from CEMEX, located in Louisville, Kentucky.

U.S. cement manufacturing is primarily a fossil fuel fired industry with 53.3% of all plants using coal, petroleum coke, or some combination of the two as its primary kiln fuel. The domestic fuel matrix continues to become more diversified than in recent surveys with over 25% of plants now using some combination of fuels besides or in supplement to coal and coke. Use of natural gas continues to rise, with over 21% of plants reported it as their primary fuel source. Alternative fuels as a secondary fuel also rose to over 37% in 2019.

As of December 31, 2019, there were 24 clinker producing companies in the United States. Based on data reported in this survey year, LafargeHolcim is the largest U.S. cement company with a 19.6% share of industry clinker capacity. Lehigh Hanson ranks second with an 11.4% share followed by CEMEX USA holding a 10.3% share. The top five cement firms account for roughly 60% of total industry clinker capacity and 58% of the U.S. industry based on grinding capacity.

*Results presented in this report were obtained from the annual survey of cement plant operations conducted by the Market Intelligence Group of the Portland Cement Association. All clinker capacity, finished grinding capacity, and ownership are reported as of December 31, 2019. Types of cement produced and fuels used pertain to production during the entire year. Inactive kiln capacity, if reported, which has not been retired, is included in all summarized capacity data.*

# TABLE 1

## U.S. HISTORICAL DATA SUMAMRY

*(Tonnage reported in Metric Tons)*

| | 1974 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Daily Clinker Capacity** *(Tons)* | 257,975 | 231,550 | 230,014 | 231,428 | 233,094 | 232,519 | 233,823 | 236,399 | 234,761 | 236,891 |
| **Annual Clinker Capacity** *(000 Tons)* | | | | | | | | | | |
| Total | 82,294 | 73,954 | 73,518 | 74,342 | 75,062 | 75,091 | 75,413 | 76,335 | 76,000 | 76,652 |
| Gray | 81,715 | 73,671 | 73,255 | 74,079 | 74,799 | 74,827 | 75,149 | 76,066 | 75,733 | 76,388 |
| White | 579 | 283 | 263 | 263 | 263 | 264 | 264 | 269 | 267 | 264 |
| Wet | 47,653 | 23,611 | 23,122 | 22,770 | 22,296 | 21,945 | 21,528 | 21,619 | 21,469 | 20,797 |
| Dry | 35,007 | 50,343 | 50,396 | 51,572 | 52,767 | 53,146 | 53,885 | 54,716 | 54,531 | 55,855 |
| **Finish Grinding Capacity** *(000 Tons)* | | | | | | | | | | |
| Total | 85,037 | 90,712 | 88,193 | 90,194 | 90,752 | 90,301 | 91,228 | 91,499 | 91,980 | 95,678 |
| Gray | 82,088 | 85,928 | 84,346 | 85,739 | 86,294 | 85,394 | 86,034 | 87,921 | 88,205 | 89,949 |
| White | 598 | 337 | 337 | 337 | 343 | 343 | 338 | 335 | 335 | 335 |
| Grinding Only | 2,351 | 4,446 | 3,510 | 4,118 | 4,115 | 4,564 | 4,856 | 3,243 | 3,440 | 5,394 |
| **Number of Kilns** | | | | | | | | | | |
| Total | 432 | 219 | 213 | 211 | 210 | 207 | 207 | 208 | 202 | 200 |
| Wet | 234 | 84 | 80 | 77 | 75 | 73 | 72 | 72 | 71 | 70 |
| Dry | 198 | 135 | 133 | 134 | 135 | 134 | 135 | 136 | 131 | 130 |
| **Average Capacity Per Kiln** *(000 Tons)* | 190 | 337 | 345 | 352 | 357 | 363 | 364 | 367 | 376 | 383 |
| **Average Kiln Startup/Modernization** | | | | | | | | | | |
| Number of Kilns | - | 1964 | 1965 | 1965 | 1966 | 1964 | 1965 | 1965 | 1965 | 1965 |
| Kiln Capacity | - | 1969 | 1970 | 1970 | 1970 | 1970 | 1971 | 1971 | 1971 | 1972 |
| **Primary Kiln Fuel** *(Inc. gray & white plants)* | | | | | | | | | | |
| % of plants - coal&coke | 30.0% | 83.3% | 79.5% | 76.6% | 75.7% | 78.2% | 82.7% | 82.7% | 86.2% | 82.3% |
| % of plants - natural gas | 14.0% | 7.9% | 8.0% | 5.4% | 7.2% | 4.5% | 1.8% | 3.6% | 2.7% | 3.7% |
| % of plants - oil | 5.0% | 0.9% | 0.9% | 0.9% | 0.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| % of plants - multiple fuel | 51.0% | 7.9% | 11.6% | 17.1% | 16.2% | 17.3% | 15.5% | 13.7% | 11.1% | 14.0% |
| **Number of Plants** | | | | | | | | | | |
| Total | 179 | 123 | 119 | 119 | 119 | 118 | 118 | 118 | 118 | 118 |
| Gray | 164 | 111 | 109 | 108 | 108 | 107 | 107 | 107 | 106 | 105 |
| White | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Grinding Only | 8 | 9 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 10 |
| **Concentration Ratio**[(1)] | | | | | | | | | | |
| of Top 5 Firms | 28.6% | 35.0% | 37.5% | 38.0% | 38.2% | 38.7% | 39.9% | 37.0% | 37.6% | 38.7% |
| of Top 10 Firms | 48.9% | 53.5% | 57.1% | 57.6% | 59.7% | 59.5% | 62.1% | 57.0% | 57.8% | 59.7% |

*(1) Company capacity as percent of total finish grinding capacity*

**Plant Information Summary went to biennial publication after 2004 and once every three years in 2013*

| 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004* | 2006 | 2008 | 2010 | 2013 | 2016 | 2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 240,448 | 246,130 | 259,200 | 277,019 | 280,288 | 281,429 | 286,116 | 288,351 | 297,891 | 317,198 | 307,077 | 296,620 | 298,193 |
| 77,914 | 80,162 | 84,052 | 89,245 | 91,490 | 92,075 | 93,785 | 94,693 | 97,462 | 103,602 | 99,859 | 96,323 | 97,588 |
| 77,640 | 79,871 | 83,747 | 88,940 | 91,179 | 91,777 | 93,474 | 94,383 | 97,163 | 103,389 | 99,646 | 96,120 | 97,375 |
| 274 | 291 | 305 | 305 | 311 | 298 | 311 | 310 | 299 | 213 | 213 | 203 | 213 |
| 20,563 | 20,248 | 20,003 | 16,998 | 16,749 | 15,443 | 15,574 | 14,108 | 13,717 | 8,116 | 4,939 | 3,213 | 1,849 |
| 57,351 | 59,914 | 64,049 | 72,247 | 74,741 | 76,632 | 78,211 | 80,585 | 83,745 | 95,486 | 94,920 | 93,110 | 95,739 |
| 97,295 | 100,458 | 107,455 | 113,491 | 116,790 | 116,965 | 117,662 | 122,855 | 126,655 | 129,362 | 126,260 | 121,212 | 122,434 |
| 91,472 | 94,637 | 101,322 | 107,447 | 110,894 | 112,002 | 112,267 | 116,579 | 120,072 | 122,992 | 126,000 | 120,957 | 119,438 |
| 373 | 401 | 348 | 365 | 454 | 387 | 360 | 351 | 373 | 260 | 260 | 255 | 251 |
| 5,450 | 5,420 | 5,785 | 5,679 | 5,442 | 4,576 | 5,035 | 5,925 | 6,210 | 6,110 | 4,755 | 4,047 | 2,745 |
| 198 | 199 | 201 | 190 | 189 | 187 | 186 | 178 | 167 | 154 | 143 | 130 | 120 |
| 67 | 67 | 66 | 54 | 54 | 52 | 52 | 47 | 46 | 29 | 18 | 13 | 10 |
| 131 | 132 | 135 | 136 | 135 | 135 | 134 | 131 | 121 | 125 | 125 | 117 | 110 |
| 393 | 403 | 418 | 470 | 484 | 492 | 504 | 532 | 584 | 673 | 698 | 741 | 813 |
| 1966 | 1966 | 1967 | 1968 | 1969 | 1970 | 1970 | 1970 | 1974 | 1977 | 1980 | 1983 | 1986 |
| 1973 | 1973 | 1975 | 1978 | 1979 | 1980 | 1980 | 1981 | 1984 | 1988 | 1990 | 1994 | 1994 |
| 82.4% | 83.5% | 78.9% | 79.6% | 82.4% | 81.3% | 81.3% | 92.4% | 92.3% | 91.2% | 91.7% | 68.5% | 53.3% |
| 2.8% | 1.9% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 10.1% | 21.1% |
| 0.9% | 1.0% | 0.9% | 0.9% | 0.9% | 0.9% | 0.9% | 1.0% | 1.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 13.9% | 13.6% | 20.2% | 19.4% | 16.7% | 17.8% | 17.8% | 6.7% | 6.7% | 8.8% | 8.3% | 21.4% | 25.6% |
| 118 | 119 | 119 | 118 | 116 | 116 | 115 | 115 | 113 | 111 | 106 | 98 | 95 |
| 105 | 106 | 106 | 105 | 105 | 105 | 104 | 102 | 101 | 100 | 97 | 90 | 89 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 10 | 10 | 10 | 10 | 8 | 8 | 8 | 10 | 9 | 9 | 7 | 6 | 4 |
| 44.2% | 43.3% | 45.5% | 48.8% | 49.3% | 50.3% | 51.7% | 51.0% | 53.9% | 52.8% | 52.1% | 56.7% | 58.0% |
| 64.8% | 64.4% | 66.7% | 69.1% | 69.7% | 70.3% | 72.4% | 73.1% | 76.0% | 74.3% | 72.1% | 79.3% | 81.8% |

## TABLE 2

### CAPACITY EXPANSIONS

*(Clinker; 000 Metric Tons)*

### SUMMARY OF KILN ADDITIONS

| Company | City | State | Clinker |
|---|---|---|---|
| **2017** | | | |
| LafargeHolcim | Ravena | New York | 1,551 |
| LafargeHolcim | Ada | Oklahoma | 620 |
| **2018** | | | |
| GCC of America, Inc. | Rapid City | South Dakota | 1,084 |
| St. Marys Cement, Inc. (U.S.)/VCNA | Charlevoix | Michigan | 1,736 |

## TABLE 3

## U.S. INDUSTRY UPDATE

### 2017

- CRH plc announces its acquisition of Ash Grove Cement and Suwannee American Cement
- Elementia, a Mexican materials firm, gains majority stake and full control of Giant Cement Holding

### 2018

- Cementir Holding gains majority stake in Lehigh White Cement, purchased from HeidelbergCement
- CRH plc completes the purchase of Ash Grove Cement and Suwannee American Cement Branford and Sumterville plants now take on Ash Grove name
- GCC completes acquisition of Trident plant in Three Forks, Montana from CRH plc

### 2019

### 2020

- Eagle Materials finalizes the purchase of the Kosmos Cement plant in Louisville, Kentucky from CEMEX USA

## TABLE 4

### U.S. RETIRED CEMENT FACILITIES

*(000 Metric Tons)*

| Company | City | State | Grinding | Clinker |
|---|---|---|---|---|
| St. Marys Cement, Inc. (U.S.)/VCNA | Dixon | Illinois | 405 | 438 |
| Argos USA Corporation | Palmetto | Florida | 613 | (Grinding Only) |
| Lehigh Hanson, Inc. | Catskill | New York | 490 | (Grinding Only) |

## TABLE 5

### U.S. ACTIVE VS. INACTIVE CLINKER CAPACITY

| | |
|---|---|
| **Total Reported Capacity** *(000 Metric Tons)* | **97,588** |
| **Active Clinker Capacity** | **97,588** |

## TABLE 6

### UNITED STATES CEMENT PLANT INFORMATION SUMMARY

*(Includes Gray and White Plants)*

### KILN AGE SUMMARY

*(Capacities in 000 Tons)*

| Age | Number of Kilns | Clinker Capacity | Average Capacity Per Kiln |
|---|---|---|---|
| | | *** W E T *** | |
| AFTER 1980 | 0 | 0 | 0 |
| 1976 - 1980 | 0 | 0 | 0 |
| 1971 - 1975 | 1 | 286 | 286 |
| 1966 - 1970 | 2 | 213 | 107 |
| 1961 - 1965 | 3 | 670 | 223 |
| 1956 - 1960 | 1 | 208 | 208 |
| 1951 - 1955 | 1 | 208 | 208 |
| 1946 - 1950 | 0 | 0 | 0 |
| 1941 - 1945 | 0 | 0 | 0 |
| 1936 - 1940 | 0 | 0 | 0 |
| 1931 - 1935 | 0 | 0 | 0 |
| BEFORE 1931 | 2 | 264 | 132 |
| **Totals:** | **10** | **1,849** | **185** |
| | | *** D R Y *** | |
| AFTER 1980 | 69 | 76,139 | 1,103 |
| 1976 - 1980 | 15 | 10,047 | 670 |
| 1971 - 1975 | 9 | 4,164 | 463 |
| 1966 - 1970 | 2 | 709 | 355 |
| 1961 - 1965 | 11 | 3,802 | 346 |
| 1956 - 1960 | 4 | 878 | 220 |
| 1951 - 1955 | 0 | 0 | 0 |
| 1946 - 1950 | 0 | 0 | 0 |
| 1941 - 1945 | 0 | 0 | 0 |
| 1936 - 1940 | 0 | 0 | 0 |
| 1931 - 1935 | 0 | 0 | 0 |
| BEFORE 1931 | 0 | 0 | 0 |
| **Totals:** | **110** | **95,739** | **870** |
| | | *** T O T A L *** | |
| AFTER 1980 | 69 | 76,139 | 1,103 |
| 1976 - 1980 | 15 | 10,047 | 670 |
| 1971 - 1975 | 10 | 4,450 | 445 |
| 1966 - 1970 | 4 | 922 | 231 |
| 1961 - 1965 | 14 | 4,472 | 319 |
| 1956 - 1960 | 5 | 1,086 | 217 |
| 1951 - 1955 | 1 | 208 | 208 |
| 1946 - 1950 | 0 | 0 | 0 |
| 1941 - 1945 | 0 | 0 | 0 |
| 1936 - 1940 | 0 | 0 | 0 |
| 1931 - 1935 | 0 | 0 | 0 |
| BEFORE 1931 | 2 | 264 | 132 |
| **Totals:** | **120** | **97,588** | **813** |

| **AVERAGE KILN AGE (Year)** | **WET** | **DRY** | **TOTAL** |
|---|---|---|---|
| BASED ON NUMBER OF KILNS | 1957 | 1989 | 1986 |
| BASED ON CLINKER CAPACITY | 1959 | 1995 | 1994 |

## TABLE 7

### UNITED STATES FUEL USAGE SUMMARY

*(Includes Gray and White Plants)*

| TYPE OF FUEL | Number of Plants | Clinker Capacity *(000 Tons)* | Percent of Total Capacity |
|---|---|---|---|
| **PRIMARY FUEL** | | | |
| Coal | 32 | 28,208 | 28.9% |
| Natural Gas | 19 | 16,891 | 17.3% |
| Coke | 9 | 11,637 | 11.9% |
| Coal, Coke | 8 | 13,945 | 14.3% |
| Coal, Natural Gas | 8 | 10,891 | 11.2% |
| Alternative Fuel | 5 | 4,692 | 4.8% |
| Coal, Natural Gas, Coke | 4 | 4,000 | 4.1% |
| Natural Gas, Coke | 2 | 2,369 | 2.4% |
| Coal, AF | 1 | 1,231 | 1.3% |
| Natural Gas, Coke, AF | 1 | 1,033 | 1.1% |
| Coke, AF | 1 | 943 | 1.0% |
| Oil, Coke | 1 | 894 | 0.9% |
| Coal, Oil, Coke | 1 | 854 | 0.9% |
| **Total:** | **92** | **97,588** | **100.0%** |
| **SECONDARY FUEL** | | | |
| Alternative Fuel | 29 | 34,140 | 37.3% |
| Natural Gas | 14 | 12,172 | 13.3% |
| Natural Gas, AF | 8 | 9,481 | 10.4% |
| Oil | 6 | 7,053 | 7.7% |
| Coal | 6 | 6,805 | 7.4% |
| Coke, AF | 4 | 5,185 | 5.7% |
| Coal, AF | 4 | 3,191 | 3.5% |
| Coke | 4 | 2,134 | 2.3% |
| Natural Gas, Coke, AF | 3 | 2,337 | 2.6% |
| Oil, Coke, AF | 1 | 1,701 | 1.9% |
| Coal, Coke, AF | 1 | 1,642 | 1.8% |
| | 1 | 1,551 | 1.7% |
| Oil, Natural Gas, Coke, AF | 1 | 1,432 | 1.6% |
| Coal, Oil | 1 | 1,272 | 1.4% |
| Coal, Natural Gas, AF | 1 | 943 | 1.0% |
| Coal, Coke | 1 | 554 | 0.6% |
| **Totals:** | **85** | **91,593** | **100.0%** |

AF=Alternative Fuel

## TABLE 8

### PLANTS UTILIZING ALTERNATIVE FUELS

### As a Primary Fuel:

| | | |
|---|---|---|
| Buzzi Unicem USA, Inc. | Cape Girardeau | MO |
| | Greencastle | IN |
| CEMEX USA | Clinchfield | GA |
| Eagle Materials | Sugar Creek | MO |
| LafargeHolcim | Holly Hill | SC |
| | Paulding | OH |
| Lehigh Hanson, Inc. | Logansport | IN |
| National Cement Co. Of California | Lebec | CA |

### As a Secondary Fuel:

| | | |
|---|---|---|
| Argos USA Corporation | Calera | AL |
| | Harleyville | SC |
| | Martinsburg | WV |
| | Newberry | FL |
| Ash Grove Cement Company | Chanute | KS |
| | Durkee | OR |
| | Foreman | AR |
| | Midlothian | TX |
| | Seattle | WA |
| | Sumterville | FL |
| Buzzi Unicem USA, Inc. | Chattanooga | TN |
| | Pryor | OK |
| | Stockertown | PA |
| Capitol Aggregates, Ltd | San Antonio | TX |
| CEMEX USA | Brooksville | FL |
| | Clinchfield | GA |
| | Demopolis | AL |
| | Knoxville | TN |
| | Miami | FL |
| | New Braunfels | TX |
| | Victorville | CA |
| Continental Cement Company | Buffalo | IA |
| | Hannibal | MO |
| Eagle Materials | Fernley | NV |
| | Louisville | KY |
| | Sugar Creek | MO |
| | Tulsa | OK |
| | Xenia | OH |
| GCC of America, Inc. | Pueblo | CO |
| Giant Cement Holding, Inc. | Bath | PA |
| | Harleyville | SC |
| | Thomaston | ME |
| LafargeHolcim | Ada | OK |
| | Bloomsdale | MO |
| | Florence | CO |
| | Hagerstown | MD |
| | Midlothian | TX |
| | Morgan | UT |
| | Theodore | AL |
| | Whitehall | PA |
| Lehigh Hanson, Inc. | Fleetwood | PA |
| | Glens Falls | NY |
| | Mason City | IA |
| | Nazareth | PA |
| | Redding | CA |
| | Tehachapi | CA |
| Martin Marietta Materials, Inc. | Midlothian | TX |
| | New Braunfels | TX |
| Mitsubishi Cement Corporation | Lucerne Valley | CA |
| National Cement Co. Of Alabama | Ragland | AL |
| St. Marys Cement, Inc. (U.S.)/VCN | Charlevoix | MI |
| Titan America LLC | Troutville | VA |
| | Medley | FL |

## TABLE 9

### UNITED STATES CEMENT COMPANY CLINKER CAPACITIES

*(Includes Gray and White Plants)*

| Rank | Clinker *(000 Tons)* | Percent Industry | Company Name |
|---|---|---|---|
| 1 | 19,160 | 19.6% | LafargeHolcim |
| 2 | 11,096 | 11.4% | Lehigh Hanson, Inc. |
| 3 | 10,063 | 10.3% | CEMEX USA |
| 4 | 9,101 | 9.3% | Buzzi Unicem USA, Inc. |
| 5 | 8,967 | 9.2% | Ash Grove Cement Company |
| 6 | 5,536 | 5.7% | Eagle Materials |
| 7 | 5,238 | 5.4% | Argos USA Corporation |
| 8 | 4,081 | 4.2% | CalPortland Company |
| 9 | 3,876 | 4.0% | Martin Marietta Materials, Inc. |
| 10 | 3,214 | 3.3% | GCC of America, Inc. |
| 11 | 2,841 | 2.9% | Titan America LLC |
| 12 | 2,373 | 2.4% | Giant Cement Holding, Inc. |
| 13 | 1,878 | 1.9% | Continental Cement Company |
| 14 | 1,736 | 1.8% | St. Marys Cement, Inc. (U.S.)/VCNA |
| 15 | 1,544 | 1.6% | Mitsubishi Cement Corporation |
| 16 | 1,168 | 1.2% | Texas Lehigh Cement Company |
| 17 | 1,074 | 1.1% | The Monarch Cement Company |
| 18 | 1,033 | 1.1% | National Cement Co. Of California |
| 19 | 953 | 1.0% | National Cement Co. Of Alabama |
| 20 | 912 | 0.9% | Salt River Materials Group |
| 21 | 701 | 0.7% | Capitol Aggregates, Ltd. |
| 22 | 566 | 0.6% | Drake Cement |
| 23 | 264 | 0.3% | Armstrong Cement & Sup. Corp. |
| 24 | 213 | 0.2% | Lehigh White Cement |
| **Total:** | **97,588** | | |

## TABLE 10

### UNITED STATES CEMENT COMPANY GRINDING CAPACITIES

*(Includes Gray and White Plants)*

| Rank | Finish Grinding *(000 Tons)* | Percent Industry | Company Name |
|---|---|---|---|
| 1 | 25,080 | 20.5% | LafargeHolcim |
| 2 | 12,989 | 10.6% | Lehigh Hanson, Inc. |
| 3 | 12,595 | 10.3% | CEMEX USA |
| 4 | 10,148 | 8.3% | Buzzi Unicem USA, Inc. |
| 5 | 10,120 | 8.3% | Ash Grove Cement Company |
| 6 | 8,187 | 6.7% | Argos USA Corporation |
| 7 | 6,680 | 5.5% | Eagle Materials |
| 8 | 6,247 | 5.1% | CalPortland Company |
| 9 | 4,274 | 3.5% | Martin Marietta Materials, Inc. |
| 10 | 3,645 | 3.0% | Titan America LLC |
| 11 | 3,592 | 2.9% | GCC of America, Inc. |
| 12 | 2,956 | 2.4% | St. Marys Cement, Inc. (U.S.)/VCNA |
| 13 | 2,725 | 2.2% | Giant Cement Holding, Inc. |
| 14 | 2,034 | 1.7% | Continental Cement Company |
| 15 | 1,761 | 1.4% | National Cement Co. Of Alabama |
| 16 | 1,661 | 1.4% | Mitsubishi Cement Corporation |
| 17 | 1,622 | 1.3% | National Cement Co. Of California |
| 18 | 1,607 | 1.3% | Salt River Materials Group |
| 19 | 1,366 | 1.1% | The Monarch Cement Company |
| 20 | 1,270 | 1.0% | Texas Lehigh Cement Company |
| 21 | 748 | 0.6% | Capitol Aggregates, Ltd. |
| 22 | 577 | 0.5% | Drake Cement |
| 23 | 299 | 0.2% | Armstrong Cement & Sup. Corp. |
| 24 | 251 | 0.2% | Lehigh White Cement |
| **Total:** | **122,434** | | |

## TABLE 11

### UNITED STATES CLINKER CAPACITIES BY STATE

*(Includes Gray and White Plants)*

| Rank | Clinker *(000 Tons)* | Percent Industry | State |
|---|---|---|---|
| 1 | 13,175 | 13.5% | Texas |
| 2 | 11,220 | 11.5% | California |
| 3 | 9,519 | 9.8% | Missouri |
| 4 | 7,646 | 7.8% | Florida |
| 5 | 5,269 | 5.4% | Alabama |
| 6 | 5,150 | 5.3% | Pennsylvania |
| 7 | 3,940 | 4.0% | Michigan |
| 8 | 3,489 | 3.6% | South Carolina |
| 9 | 3,158 | 3.2% | Indiana |
| 10 | 3,087 | 3.2% | Colorado |
| 11 | 2,832 | 2.9% | Maryland |
| 12 | 2,466 | 2.5% | Kansas |
| 13 | 2,447 | 2.5% | Arizona |
| 14 | 2,137 | 2.2% | New York |
| 15 | 1,877 | 1.9% | Oklahoma |
| 16 | 1,867 | 1.9% | Illinois |
| 17 | 1,681 | 1.7% | Iowa |
| 18 | 1,556 | 1.6% | West Virginia |
| 19 | 1,548 | 1.6% | Utah |
| 20 | 1,539 | 1.6% | Tennessee |
| 21 | 1,432 | 1.5% | Kentucky |
| 22 | 1,392 | 1.4% | Arkansas |
| 23 | 1,140 | 1.2% | Virginia |
| 24 | 1,084 | 1.1% | South Dakota |
| 25 | 1,079 | 1.1% | Ohio |
| 26 | 973 | 1.0% | Oregon |
| 27 | 853 | 0.9% | Nebraska |
| 28 | 757 | 0.8% | Georgia |
| 29 | 718 | 0.7% | Washington |
| 30 | 573 | 0.6% | Wyoming |
| 31 | 572 | 0.6% | Maine |
| 32 | 570 | 0.6% | Montana |
| 33 | 452 | 0.5% | Nevada |
| 34 | 390 | 0.4% | New Mexico |
| **Total:** | **97,588** | | |

***THERE ARE NO CLINKER PRODUCING PLANTS IN THE FOLLOWING STATES***

| | | |
|---|---|---|
| Alaska | Connecticut | Delaware |
| District of Columbia | Hawaii | Idaho |
| Louisiana | Massachusetts | Minnesota |
| Mississippi | New Hampshire | New Jersey |
| North Carolina | North Dakota | Rhode Island |
| Vermont | Wisconsin | |

## TABLE 12

### UNITED STATES GRINDING CAPACITIES BY STATE

*(Includes Gray, White and Grinding Plants)*

| Rank | Finish Grinding (000 Tons) | Percent Industry | State |
|---|---|---|---|
| 1 | 15,391 | 12.6% | Texas |
| 2 | 13,751 | 11.2% | California |
| 3 | 11,004 | 9.0% | Missouri |
| 4 | 10,003 | 8.2% | Florida |
| 5 | 6,797 | 5.6% | Alabama |
| 6 | 5,987 | 4.9% | Pennsylvania |
| 7 | 5,928 | 4.8% | Michigan |
| 8 | 5,202 | 4.2% | South Carolina |
| 9 | 3,989 | 3.3% | Colorado |
| 10 | 3,968 | 3.2% | Arizona |
| 11 | 3,809 | 3.1% | Maryland |
| 12 | 3,298 | 2.7% | Indiana |
| 13 | 2,690 | 2.2% | New York |
| 14 | 2,666 | 2.2% | Kansas |
| 15 | 2,379 | 1.9% | Illinois |
| 16 | 2,260 | 1.8% | Oklahoma |
| 17 | 1,995 | 1.6% | Utah |
| 18 | 1,941 | 1.6% | Iowa |
| 19 | 1,868 | 1.5% | West Virginia |
| 20 | 1,830 | 1.5% | Georgia |
| 21 | 1,716 | 1.4% | Tennessee |
| 22 | 1,703 | 1.4% | Arkansas |
| 23 | 1,581 | 1.3% | Kentucky |
| 24 | 1,484 | 1.2% | Virginia |
| 25 | 1,453 | 1.2% | Ohio |
| 26 | 1,283 | 1.0% | South Dakota |
| 27 | 1,249 | 1.0% | Washington |
| 28 | 1,206 | 1.0% | Nebraska |
| 29 | 1,077 | 0.9% | Oregon |
| 30 | 690 | 0.6% | Wyoming |
| 31 | 666 | 0.5% | Montana |
| 32 | 656 | 0.5% | Maine |
| 33 | 539 | 0.4% | Nevada |
| 34 | 375 | 0.3% | New Mexico |
| **Total:** | **122,434** | | |

***THERE ARE NO CEMENT PRODUCING PLANTS IN THE FOLLOWING STATES***

| | | |
|---|---|---|
| Alaska | Connecticut | Delaware |
| District of Columbia | Hawaii | Idaho |
| Louisiana | Massachusetts | Minnesota |
| Mississippi | New Hampshire | New Jersey |
| North Carolina | North Dakota | Rhode Island |
| Vermont | Wisconsin | |

## TABLE 13

### UNITED STATES GRAY CEMENT PLANT CLINKER CAPACITIES

| Rank | Clinker *(000 Tons)* | Percent Industry | Name - Location |
|---|---|---|---|
| 1 | 4,109 | 4.2% | LafargeHolcim - Bloomsdale, MO |
| 2 | 2,701 | 2.8% | CEMEX USA - Victorville, CA |
| 3 | 2,268 | 2.3% | Buzzi Unicem USA, Inc. - Festus, MO |
| 4 | 2,234 | 2.3% | Martin Marietta Materials, Inc. - Midlothian, TX |
| 5 | 2,204 | 2.3% | LafargeHolcim - Alpena, MI |
| 6 | 2,125 | 2.2% | LafargeHolcim - Midlothian, TX |
| 7 | 2,087 | 2.1% | Lehigh Hanson, Inc. - Union Bridge, MD |
| 8 | 2,049 | 2.1% | CEMEX USA - New Braunfels, TX |
| 9 | 1,861 | 1.9% | LafargeHolcim - Holly Hill, SC |
| 10 | 1,736 | 1.8% | St. Marys Cement, Inc. (U.S.)/VCNA - Charlevoix, MI |
| 11 | 1,728 | 1.8% | CalPortland Company - Oro Grande, CA |
| 12 | 1,701 | 1.7% | Titan America LLC - Medley, FL |
| 13 | 1,658 | 1.7% | Argos USA Corporation - Newberry, FL |
| 14 | 1,642 | 1.7% | Martin Marietta Materials, Inc. - New Braunfels, TX |
| 15 | 1,625 | 1.7% | LafargeHolcim - Florence, CO |
| 16 | 1,556 | 1.6% | Argos USA Corporation - Martinsburg, WV |
| 17 | 1,551 | 1.6% | CEMEX USA - Brooksville, FL |
| 18 | 1,551 | 1.6% | LafargeHolcim - Ravena, NY |
| 19 | 1,544 | 1.6% | Mitsubishi Cement Corporation - Lucerne Valley, CA |
| 20 | 1,505 | 1.5% | LafargeHolcim - Theodore, AL |
| 21 | 1,432 | 1.5% | Eagle Materials - Louisville, KY |
| 22 | 1,392 | 1.4% | Ash Grove Cement Company - Chanute, KS |
| 23 | 1,392 | 1.4% | Ash Grove Cement Company - Foreman, AR |
| 24 | 1,384 | 1.4% | CalPortland Company - Mojave, CA |
| 25 | 1,351 | 1.4% | Lehigh Hanson, Inc. - Cupertino, CA |
| 26 | 1,272 | 1.3% | Buzzi Unicem USA, Inc. - Cape Girardeau, MO |
| 27 | 1,248 | 1.3% | Argos USA Corporation - Calera, AL |
| 28 | 1,231 | 1.3% | Buzzi Unicem USA, Inc. - Greencastle, IN |
| 29 | 1,216 | 1.2% | Lehigh Hanson, Inc. - Nazareth, PA |
| 30 | 1,168 | 1.2% | Texas Lehigh Cement Company - Buda, TX |
| 31 | 1,140 | 1.2% | Titan America LLC - Troutville, VA |
| 32 | 1,084 | 1.1% | GCC of America, Inc. - Rapid City, SD |
| 33 | 1,074 | 1.1% | The Monarch Cement Company - Humboldt, KS |
| 34 | 1,033 | 1.1% | National Cement Co. Of California - Lebec, CA |
| 35 | 1,004 | 1.0% | Lehigh Hanson, Inc. - Fleetwood, PA |
| 36 | 998 | 1.0% | Buzzi Unicem USA, Inc. - Maryneal, TX |
| 37 | 990 | 1.0% | CEMEX USA - Miami, FL |
| 38 | 990 | 1.0% | Ash Grove Cement Company - Sumterville, FL |
| 39 | 979 | 1.0% | GCC of America, Inc. - Pueblo, CO |
| 40 | 974 | 1.0% | LafargeHolcim - Grand Chain, IL |
| 41 | 973 | 1.0% | Ash Grove Cement Company - Durkee, OR |
| 42 | 970 | 1.0% | Lehigh Hanson, Inc. - Tehachapi, CA |
| 43 | 969 | 1.0% | CalPortland Company - Rillito, AZ |
| 44 | 953 | 1.0% | National Cement Co. Of Alabama - Ragland, AL |
| 45 | 951 | 1.0% | Continental Cement Company - Buffalo, IA |
| 46 | 949 | 1.0% | Giant Cement Holding, Inc. - Bath, PA |
| 47 | 943 | 1.0% | Eagle Materials - Sugar Creek, MO |
| 48 | 927 | 1.0% | Continental Cement Company - Hannibal, MO |
| 49 | 912 | 0.9% | Salt River Materials Group - Clarkdale, AZ |
| 50 | 907 | 0.9% | Buzzi Unicem USA, Inc. - San Antonio, TX |
| 51 | 894 | 0.9% | Buzzi Unicem USA, Inc. - Stockertown, PA |
| 52 | 893 | 0.9% | Eagle Materials - La Salle, IL |
| 53 | 854 | 0.9% | Buzzi Unicem USA, Inc. - Chattanooga, TN |
| 54 | 853 | 0.9% | Ash Grove Cement Company - Louisville, NE |
| 55 | 852 | 0.9% | Giant Cement Holding, Inc. - Harleyville, SC |

## TABLE 13

### UNITED STATES GRAY CEMENT PLANT CLINKER CAPACITIES

| Rank | Clinker *(000 Tons)* | Percent Industry | Name - Location |
|---|---|---|---|
| 56 | 847 | 0.9% | CEMEX USA - Demopolis, AL |
| 57 | 834 | 0.9% | Ash Grove Cement Company - Leamington, UT |
| 58 | 829 | 0.9% | Lehigh Hanson, Inc. - Speed, IN |
| 59 | 776 | 0.8% | Argos USA Corporation - Harleyville, SC |
| 60 | 775 | 0.8% | Ash Grove Cement Company - Midlothian, TX |
| 61 | 757 | 0.8% | CEMEX USA - Clinchfield, GA |
| 62 | 756 | 0.8% | Ash Grove Cement Company - Branford, FL |
| 63 | 745 | 0.8% | LafargeHolcim - Hagerstown, MD |
| 64 | 730 | 0.7% | Lehigh Hanson, Inc. - Mason City, IA |
| 65 | 718 | 0.7% | Ash Grove Cement Company - Seattle, WA |
| 66 | 716 | 0.7% | Lehigh Hanson, Inc. - Leeds, AL |
| 67 | 714 | 0.7% | LafargeHolcim - Morgan, UT |
| 68 | 712 | 0.7% | Lehigh Hanson, Inc. - Mitchell, IN |
| 69 | 711 | 0.7% | LafargeHolcim - Whitehall, PA |
| 70 | 701 | 0.7% | Capitol Aggregates, Ltd. - San Antonio, TX |
| 71 | 685 | 0.7% | CEMEX USA - Knoxville, TN |
| 72 | 677 | 0.7% | Buzzi Unicem USA, Inc. - Pryor, OK |
| 73 | 663 | 0.7% | Eagle Materials - Xenia, OH |
| 74 | 620 | 0.6% | LafargeHolcim - Ada, OK |
| 75 | 586 | 0.6% | Lehigh Hanson, Inc. - Glens Falls, NY |
| 76 | 580 | 0.6% | Eagle Materials - Tulsa, OK |
| 77 | 573 | 0.6% | Eagle Materials - Laramie, WY |
| 78 | 572 | 0.6% | Giant Cement Holding, Inc. - Thomaston, ME |
| 79 | 566 | 0.6% | Drake Cement - Paulden, AZ |
| 80 | 509 | 0.5% | Lehigh Hanson, Inc. - Redding, CA |
| 81 | 483 | 0.5% | CEMEX USA - Lyons, CO |
| 82 | 475 | 0.5% | GCC of America, Inc. - Odessa, TX |
| 83 | 452 | 0.5% | Eagle Materials - Fernley, NV |
| 84 | 416 | 0.4% | LafargeHolcim - Paulding, OH |
| 85 | 390 | 0.4% | GCC of America, Inc. - Tijeras, NM |
| 86 | 386 | 0.4% | Lehigh Hanson, Inc. - Logansport, IN |
| 87 | 286 | 0.3% | GCC of America, Inc. - Three Forks, MT |
| 88 | 284 | 0.3% | Ash Grove Cement Company - Montana City, MT |
| 89 | 264 | 0.3% | Armstrong Cement & Sup. Corp. - Cabot, PA |
| **Total:** | **97,375** | | |

## TABLE 14

### UNITED STATES GRAY CEMENT PLANT GRINDING CAPACITIES

| Rank | Finish Grinding *(000 Tons)* | Percent Industry | Name - Location |
|---|---|---|---|
| 1 | 4,916 | 4.0 % | LafargeHolcim - Bloomsdale, MO |
| 2 | 3,146 | 2.6 % | CEMEX USA - Victorville, CA |
| 3 | 3,075 | 2.5 % | Lehigh Hanson, Inc. - Union Bridge, MD |
| 4 | 2,972 | 2.4 % | LafargeHolcim - Alpena, MI |
| 5 | 2,711 | 2.2 % | CEMEX USA - New Braunfels, TX |
| 6 | 2,667 | 2.2 % | LafargeHolcim - Holly Hill, SC |
| 7 | 2,590 | 2.1 % | LafargeHolcim - Midlothian, TX |
| 8 | 2,451 | 2.0 % | Buzzi Unicem USA, Inc. - Festus, MO |
| 9 | 2,420 | 2.0 % | LafargeHolcim - Florence, CO |
| 10 | 2,290 | 1.9 % | CEMEX USA - Brooksville, FL |
| 11 | 2,285 | 1.9 % | CalPortland Company - Mojave, CA |
| 12 | 2,188 | 1.8 % | LafargeHolcim - Ravena, NY |
| 13 | 2,178 | 1.8 % | CalPortland Company - Oro Grande, CA |
| 14 | 2,168 | 1.8 % | Martin Marietta Materials, Inc. - New Braunfels, TX |
| 15 | 2,161 | 1.8 % | Titan America LLC - Medley, FL |
| 16 | 2,106 | 1.7 % | Martin Marietta Materials, Inc. - Midlothian, TX |
| 17 | 1,986 | 1.6 % | Argos USA Corporation - Newberry, FL |
| 18 | 1,922 | 1.6 % | LafargeHolcim - Theodore, AL |
| 19 | 1,888 | 1.5 % | St. Marys Cement, Inc. (U.S.)/VCNA - Charlevoix, MI |
| 20 | 1,868 | 1.5 % | Argos USA Corporation - Martinsburg, WV |
| 21 | 1,784 | 1.5 % | CalPortland Company - Rillito, AZ |
| 22 | 1,761 | 1.4 % | National Cement Co. Of Alabama - Ragland, AL |
| 23 | 1,703 | 1.4 % | Ash Grove Cement Company - Foreman, AR |
| 24 | 1,694 | 1.4 % | Argos USA Corporation - Harleyville, SC |
| 25 | 1,661 | 1.4 % | Mitsubishi Cement Corporation - Lucerne Valley, CA |
| 26 | 1,622 | 1.3 % | National Cement Co. Of California - Lebec, CA |
| 27 | 1,607 | 1.3 % | Salt River Materials Group - Clarkdale, AZ |
| 28 | 1,581 | 1.3 % | Eagle Materials - Louisville, KY |
| 29 | 1,484 | 1.2 % | Titan America LLC - Troutville, VA |
| 30 | 1,451 | 1.2 % | LafargeHolcim - Grand Chain, IL |
| 31 | 1,400 | 1.1 % | Buzzi Unicem USA, Inc. - Cape Girardeau, MO |
| 32 | 1,366 | 1.1 % | The Monarch Cement Company - Humboldt, KS |
| 33 | 1,361 | 1.1 % | Buzzi Unicem USA, Inc. - Greencastle, IN |
| 34 | 1,353 | 1.1 % | Argos USA Corporation - Calera, AL |
| 35 | 1,333 | 1.1 % | Lehigh Hanson, Inc. - Nazareth, PA |
| 36 | 1,300 | 1.1 % | Ash Grove Cement Company - Chanute, KS |
| 37 | 1,288 | 1.1 % | Lehigh Hanson, Inc. - Cupertino, CA |
| 38 | 1,283 | 1.1 % | GCC of America, Inc. - Rapid City, SD |
| 39 | 1,273 | 1.0 % | CEMEX USA - Miami, FL |
| 40 | 1,270 | 1.0 % | Texas Lehigh Cement Company - Buda, TX |
| 41 | 1,228 | 1.0 % | Giant Cement Holding, Inc. - Bath, PA |
| 42 | 1,206 | 1.0 % | Ash Grove Cement Company - Louisville, NE |
| 43 | 1,192 | 1.0 % | Eagle Materials - Sugar Creek, MO |
| 44 | 1,124 | 0.9 % | LafargeHolcim - Morgan, UT |
| 45 | 1,113 | 0.9 % | Lehigh Hanson, Inc. - Fleetwood, PA |
| 46 | 1,097 | 0.9 % | Buzzi Unicem USA, Inc. - Maryneal, TX |
| 47 | 1,088 | 0.9 % | Buzzi Unicem USA, Inc. - San Antonio, TX |
| 48 | 1,077 | 0.9 % | Ash Grove Cement Company - Durkee, OR |
| 49 | 1,068 | 0.9 % | St. Marys Cement, Inc. (U.S.)/VCNA - Detroit, MI |
| 50 | 1,045 | 0.9 % | Continental Cement Company - Hannibal, MO |

## TABLE 14

### UNITED STATES GRAY CEMENT PLANT GRINDING CAPACITIES

| Rank | Finish Grinding *(000 Tons)* | Percent Industry | Name - Location |
|---|---|---|---|
| 51 | 1,001 | 0.8% | Buzzi Unicem USA, Inc. - Stockertown, PA |
| 52 | 1,000 | 0.8% | Buzzi Unicem USA, Inc. - Chattanooga, TN |
| 53 | 998 | 0.8% | Lehigh Hanson, Inc. - Tehachapi, CA |
| 54 | 996 | 0.8% | GCC of America, Inc. - Pueblo, CO |
| 55 | 989 | 0.8% | Continental Cement Company - Buffalo, IA |
| 56 | 952 | 0.8% | CEMEX USA - Clinchfield, GA |
| 57 | 952 | 0.8% | Lehigh Hanson, Inc. - Mason City, IA |
| 58 | 946 | 0.8% | Ash Grove Cement Company - Sumterville, FL |
| 59 | 939 | 0.8% | Ash Grove Cement Company - Branford, FL |
| 60 | 934 | 0.8% | CEMEX USA - Demopolis, AL |
| 61 | 930 | 0.8% | Ash Grove Cement Company - Midlothian, TX |
| 62 | 928 | 0.8% | Eagle Materials - La Salle, IL |
| 63 | 892 | 0.7% | Eagle Materials - Tulsa, OK |
| 64 | 888 | 0.7% | Lehigh Hanson, Inc. - Speed, IN |
| 65 | 883 | 0.7% | LafargeHolcim - Whitehall, PA |
| 66 | 878 | 0.7% | Argos USA Corporation - Atlanta, GA |
| 67 | 871 | 0.7% | Ash Grove Cement Company - Leamington, UT |
| 68 | 858 | 0.7% | Ash Grove Cement Company - Seattle, WA |
| 69 | 858 | 0.7% | Eagle Materials - Xenia, OH |
| 70 | 841 | 0.7% | Giant Cement Holding, Inc. - Harleyville, SC |
| 71 | 827 | 0.7% | Lehigh Hanson, Inc. - Leeds, AL |
| 72 | 750 | 0.6% | Buzzi Unicem USA, Inc. - Pryor, OK |
| 73 | 748 | 0.6% | Capitol Aggregates, Ltd. - San Antonio, TX |
| 74 | 734 | 0.6% | LafargeHolcim - Hagerstown, MD |
| 75 | 716 | 0.6% | CEMEX USA - Knoxville, TN |
| 76 | 690 | 0.6% | Eagle Materials - Laramie, WY |
| 77 | 656 | 0.5% | Giant Cement Holding, Inc. - Thomaston, ME |
| 78 | 631 | 0.5% | Lehigh Hanson, Inc. - Mitchell, IN |
| 79 | 618 | 0.5% | LafargeHolcim - Ada, OK |
| 80 | 595 | 0.5% | LafargeHolcim - Paulding, OH |
| 81 | 577 | 0.5% | Drake Cement - Paulden, AZ |
| 82 | 573 | 0.5% | Lehigh Hanson, Inc. - Redding, CA |
| 83 | 573 | 0.5% | CEMEX USA - Lyons, CO |
| 84 | 562 | 0.5% | GCC of America, Inc. - Odessa, TX |
| 85 | 539 | 0.4% | Eagle Materials - Fernley, NV |
| 86 | 502 | 0.4% | Lehigh Hanson, Inc. - Glens Falls, NY |
| 87 | 418 | 0.3% | Lehigh Hanson, Inc. - Logansport, IN |
| 88 | 408 | 0.3% | Argos USA Corporation - Tampa, FL |
| 89 | 391 | 0.3% | Lehigh Hanson, Inc. - Bellingham, WA |
| 90 | 376 | 0.3% | GCC of America, Inc. - Three Forks, MT |
| 91 | 375 | 0.3% | GCC of America, Inc. - Tijeras, NM |
| 92 | 299 | 0.2% | Armstrong Cement & Sup. Corp. - Cabot, PA |
| 93 | 290 | 0.2% | Ash Grove Cement Company - Montana City, MT |
| **Total:** | **122,183** | | |

# Table 15

# U.S. Cement Company Capacity

# and

# Ownership

| Company/ Owner | Number of Plants | Annual Grinding Capacity *(000 Tons)* | Annual Clinker Capacity *(000 Tons)* |
|---|---|---|---|
| Argos USA Corporation<br>Cementos Argos S.A. (Columbia) | 6 | 8,187 | 5,238 |
| Armstrong Cement & Sup. Corp.<br>(USA) | 1 | 299 | 264 |
| Ash Grove Cement Company<br>CRH plc (Ireland) | 10 | 10,120 | 8,967 |
| Buzzi Unicem USA, Inc.<br>Buzzi Unicem S.p.A (Italy) | 8 | 10,148 | 9,101 |
| CalPortland Company<br>Taiheiyo Cement Corp. (Japan) | 3 | 6,247 | 4,081 |
| Capitol Aggregates, Ltd.<br>H. B. Zachry Company (USA) | 1 | 748 | 701 |
| CEMEX USA<br>Cemex S.A. de C.V. (Mexico) | 8 | 12,595 | 10,063 |
| Continental Cement Company<br>Summit Materials (USA) | 2 | 2,034 | 1,878 |
| Drake Cement<br>Cementos Lima (Peru) | 1 | 577 | 566 |
| Eagle Materials<br>(USA) | 7 | 6,680 | 5,536 |
| GCC of America, Inc.<br>Grupo Cementos de Chihuahua (Mexico) | 5 | 3,592 | 3,214 |
| Giant Cement Holding, Inc.<br>Elementia (Mexico) | 3 | 2,725 | 2,373 |
| LafargeHolcim<br>LafargeHolcim Ltd (Switzerland) | 13 | 25,080 | 19,160 |
| Lehigh Hanson, Inc.<br>Heidelberg Cement (Germany) | 13 | 12,989 | 11,096 |
| Lehigh White Cement<br>Cementir Holding (Italy) | 2 | 251 | 213 |

| Company/ Owner | Number of Plants | Annual Grinding Capacity *(000 Tons)* | Annual Clinker Capacity *(000 Tons)* |
|---|---|---|---|
| Martin Marietta Materials, Inc.<br>(USA) | 2 | 4,274 | 3,876 |
| Mitsubishi Cement Corporation<br>Mitsubishi Materials Corp. (Japan) | 1 | 1,661 | 1,544 |
| National Cement Co. Of Alabama<br>Societe des Ciments Vicat (France) | 1 | 1,761 | 953 |
| National Cement Co. Of California<br>Societe des Ciments Vicat (France) | 1 | 1,622 | 1,033 |
| Salt River Materials Group<br>(USA) | 1 | 1,607 | 912 |
| St. Marys Cement, Inc. (U.S.)/VCNA<br>Votorantim Cimentos (Brazil) | 2 | 2,956 | 1,736 |
| Texas Lehigh Cement Company<br>Eagle Materials (USA)/Heidelberg Cement (Germany) | 1 | 1,270 | 1,168 |
| The Monarch Cement Company<br>(USA) | 1 | 1,366 | 1,074 |
| Titan America LLC<br>TITAN Cement International (Belguim) | 2 | 3,645 | 2,841 |

# Table 16

# U.S. Cement Plant Detail

**Primary Fuel Codes:** C - Coal O - Oil G - Gas K - Coke A - Alternative

**Alternative Fuel Codes:** A - Oil B - Solvents C - Tire Derived D - Other Solid E - Other

**Secondary fuel codes are shown in parenthesis ( ) following the primary fuel code(s). Alternative fuel codes are shown in brackets [ ] below the fuel code(s).**

**Process Codes:** X - Preheater C - Precalciner

**ARGOS USA CORPORATION**

**2520 Paul Avenue, N.W.**
**Atlanta, GA 30318**
**(404) 794-1561**

**Gray Cement**

**Grinding Only**

**Kiln Data - Number of Kilns: 0**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| | No | | | | 0 |
| | | | | | 0 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1962 | 30 | 242 | No |
| 1962 | 36 | 318 | No |
| 1987 | 36 | 318 | No |
| | 102 | 878 | |

**Types of Cement Produced:**

**COLORED CEMENTS** **MASONRY CEMENTS*** **MORTAR CEMENT***

**TYPE III**
*** Type N/S/M**
*** Type N/S/M**

**Predominant Cement Produced:** **TYPE III**

**Characteristics of Most Common ASTM C150 Cement:**

**% Clinker** **1 % Gypsum** **% Limestone**
**% Inorganic Processing Addition** **99 % RBT Type I/II**

**ARGOS USA CORPORATION**

**8039 Highway 25**
**Calera, AL 35040**
**(205) 668-2721**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2001 | Yes | C ( GKA ) [ C,D,E ] | Dry-C | 4554 | 1248 |
| | | | | 4554 | 1248 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2001 | 93 | 611 | No |
| 2001 | 113 | 742 | No |
| | 206 | 1353 | |

**Types of Cement Produced:**

BLENDED TYPE IS TYPE II
* Type S/M
MASONRY CEMENTS*
TYPE I

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
4.5 % Gypsum
2.7 % Limestone
% Inorganic Processing Addition
1.6 % Other

**Primary Source of Raw Materials:**

BAUXITE
BLAST FURNACE SLAG
CLAY
FLY ASH
LIME PLANT WASTE
LIMESTONE
LKD
SAND
SHALE
SYNTHETIC GYPSUM

**463 Judge St.**
**Harleyville, SC 29448**
**(843) 462-7651**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1998 | Yes | CG ( A ) [ CE ] | Dry-C | 2721 | 776 |
| | | | | 2721 | 776 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1974 | 41 | 265 | No |
| 1986 | 41 | 265 | No |
| 1998 | 27 | 41 | No |
| 2015 | 249 | 1123 | No |
| | 358 | 1694 | |

**Types of Cement Produced:**

**MASONRY CEMENTS***
**TYPE III**
*** Type N/S/M**
*** Type S**
*** Type M**

**MORTAR CEMENT***
**TYPE IIMH**

**PLASTIC CEMENT***
**TYPE IIMHA**

**Predominant Cement Produced:** TYPE IIMH

**Characteristics of Most Common ASTM C150 Cement:**

89 % Clinker
5.8 % Gypsum
3.2 % Limestone
1.8 % Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

CALCIUM CARBONATE
CEMENT ROCK AND MARL
CLAY
FLY ASH
IRON MATERIAL
SAND

**ARGOS USA CORPORATION** **Martinsburg Plant**

**1826 S. Queen Street**
**Martinsburg, WV 25401**
**(304) 260-1827**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2009 | Yes | C ( A ) [ E ] | Dry-C | 5100 | 1556 |
| | | | | 5100 | 1556 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| | | | No |
| 2010 | 130 | 934 | No |
| 2010 | 130 | 934 | No |
| | 260 | 1868 | |

**Types of Cement Produced:** BLENDED TYPE IP, TYPE II, TYPE III

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:** 92 % Clinker, 4 % Gypsum, 4 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

BASALT
BAUXITE
BOTTOM ASH
CLAY
IRON - MILL SCALE
LIMESTONE
SAND

**ARGOS USA CORPORATION** **Newberry Plant**

**4000 NW County Road 235**
**Newberry, FL 32669**
**(352) 472-4722**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1999 | Yes | CG ( A ) [ C,D ] | Dry-C | 2404 | 829 |
| 2010 | Yes | CG ( A ) [ C,D ] | Dry-C | 2404 | 829 |
| | | | | 4808 | 1658 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1999 | 113 | 993 | No |
| 2010 | 113 | 993 | No |
| | 226 | 1986 | |

**Types of Cement Produced:**

**BLENDED TYPE IL**
**TYPE I**
*** Type N/S/M**
*** Type S**
**MASONRY CEMENTS***
**TYPE III**
**PLASTIC CEMENT***
**TYPE IIMH**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**89 % Clinker** **6.5 % Gypsum** **2.5 % Limestone**
**2 % Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**BAUXITE**
**BLAST FURNACE SLAG**
**CRUSHED GLASS**
**FLY ASH**
**LIMESTONE**
**SAND**

**ARGOS USA CORPORATION**

**2001 Maritime Blvd.**
**Tampa, FL 33605**
**(813) 247-4831**

**Gray Cement**

**Grinding Only**

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1962 | 27 | 204 | No |
| 1962 | 27 | 204 | No |
| | 54 | 408 | |

**Types of Cement Produced:**

**BLENDED TYPE IP SPECIAL CEMENTS***
**BLENDED TYPE IS SPECIAL CEMENTS***
**MORTAR CEMENT* SPECIAL CEMENTS***
*** Type S/M**
*** Sanded Stucco Mix Type M & S**
*** Sanded Mortar Mix Type M & S**
*** Slag Cement**

**Predominant Cement Produced:** SPECIAL CEMENTS

**Characteristics of Most Common ASTM C150 Cement:**

% Clinker
% Gypsum
% Limestone
% Inorganic Processing Addition
% Other

**ARMSTRONG CEMENT & SUP. CORP.**

**100 Clearfield Road**
**Cabot, PA 16023-9521**
**(724) 352-4471**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1928 | Yes | C | Wet | 408 | 132 |
| 1928 | Yes | C | Wet | 408 | 132 |
| | | | | 816 | 264 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1968 | 59 | 299 | No |
| | 59 | 299 | |

**Types of Cement Produced:**

MASONRY CEMENTS, TYPE I, TYPE IA
TYPE II, TYPE III, TYPE V

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

% Clinker, % Gypsum, % Limestone
% Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

GYPSUM AND ANHYDRITE
LIMESTONE
SAND
SHALE

**ASH GROVE CEMENT COMPANY** **Branford**

**5117 US Hwy 27**
**Branford, FL 32008**
**(386) 965-5000**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2003 | Yes | G ( C ) [ AD ] | Dry-C | 2290 | 756 |
| | | | | 2290 | 756 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2003 | 113 | 939 | No |
| | 113 | 939 | |

**Types of Cement Produced:** BLENDED TYPE IL; SPECIAL CEMENTS*; TYPE II; TYPE III

* Coarse Grind

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
3.2 % Gypsum
2.8 % Limestone
% Inorganic Processing Addition
3 % Other

**Primary Source of Raw Materials:**

CALCINED CLAY
LIMESTONE
MILL SCALE
PUMICE
SAND

**ASH GROVE CEMENT COMPANY**

**1801 N. Santa Fe Street**
**Chanute, KS 66720**
**(620) 433-3500**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2001 | Yes | C ( KA ) [ BD ] | Dry-C | 4218 | 1392 |
| | | | | 4218 | 1392 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1988 | 32 | 118 | No |
| 2001 | 29 | 140 | No |
| 2001 | 34 | 170 | No |
| 2004 | 119 | 872 | No |
| | 214 | 1300 | |

**Types of Cement Produced:**

SPECIAL CEMENTS*
TYPE MS (20)
* Durpoz

TYPE I

TYPE III

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

90 % Clinker
4.5 % Gypsum
4.6 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

CLAY
LIMESTONE
MILL SCALE
SAND
SHALE

**ASH GROVE CEMENT COMPANY**

**33060 Shirttail Creek Road**
**Durkee, OR 97095**
**(541) 877-2411**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1998 | Yes | CG ( A ) [ AC ] | Dry-C | 2948 | 973 |
| | | | | 2948 | 973 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1978 | 91 | 718 | No |
| 1998 | 45 | 359 | No |
| | 136 | 1077 | |

**Types of Cement Produced:** TYPE I, TYPE II, TYPE III, TYPE V

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
91 % Clinker
5.2 % Gypsum
4.2 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
CLAY
LIMESTONE
SHALE

**ASH GROVE CEMENT COMPANY**

**4343 Highway 108 West**
**Foreman, AR 71836**
**(870) 542-3000**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2010 | Yes | CG ( A ) [ BD ] | Dry-C | 4218 | 1392 |
| | | | | 4218 | 1392 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1958 | 23 | 161 | No |
| 1958 | 100 | 707 | No |
| 2010 | 118 | 835 | No |
| | 241 | 1703 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I TYPE II
* Type S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 4.8 % Gypsum 4.5 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

LIMESTONE
MILL SCALE
SAND

**ASH GROVE CEMENT COMPANY**

**16215 NE-50**
**Louisville, NE 68008**
**(402) 234-2415**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1973 | Yes | G | Dry-X | 907 | 299 |
| 1982 | Yes | G ( CK ) | Dry-C | 1678 | 554 |
| | | | | 2585 | 853 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2019 | 80 | 634 | No |
| 2019 | 73 | 572 | No |
| | 153 | 1206 | |

**Types of Cement Produced:** BLENDED TYPE IP, TYPE I, TYPE II, TYPE III

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
92 % Clinker
0.7 % Gypsum
3.8 % Limestone
0.05 % Inorganic Processing Addition
3.4 % Other

**Primary Source of Raw Materials:**

CLAY
LIMESTONE
MILL SCALE
SAND
SHALE

**ASH GROVE CEMENT COMPANY**

**900 Gifco Road**
**Midlothian, TX 76065**
**(972) 723-7235**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2014 | Yes | G ( A ) [ C ] | Dry-C | 2358 | 775 |
| | | | | 2358 | 775 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1965 | 50 | 465 | No |
| 1967 | 50 | 465 | No |
| | 100 | 930 | |

**Types of Cement Produced:** SPECIAL CEMENTS* TYPE I TYPE II

* Coarse Grind

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 5 % Gypsum 4 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

LIMESTONE
LIMESTONE FINES
MILL SCALE
SAND
SHALE

**ASH GROVE CEMENT COMPANY**

**100 MT Hwy 518**
**Clancy, MT 59634**
**(406) 444-8855**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1963 | Yes | C ( K ) | Wet | 861 | 284 |
| | | | | 861 | 284 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1963 | 49 | 290 | No |
| | 49 | 290 | |

**Types of Cement Produced:** TYPE I, TYPE II, TYPE III, TYPE V

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
91 % Clinker
5 % Gypsum
3 % Limestone
% Inorganic Processing Addition
1 % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
CLAY
LIMESTONE
SAND

**ASH GROVE CEMENT COMPANY**

**Highway 132 6 miles east of Leamington**
**Leamington, UT 84638**
**(435) 857-1212**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1982 | Yes | C ( G ) [ C ] | Dry-C | 2404 | 834 |
| | | | | 2404 | 834 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1982 | 108 | 871 | No |
| | 108 | 871 | |

**Types of Cement Produced:** TYPE I, TYPE II, TYPE III, TYPE V

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
% Clinker
% Gypsum
% Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
LIMESTONE
SAND
SHALE

**ASH GROVE CEMENT COMPANY**

**3801 E. Marginal Way S.**
**Seattle, WA 98134**
**(206) 623-5596**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1992 | Yes | G ( A ) [ C ] | Dry-C | 2177 | 718 |
| | | | | 2177 | 718 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1968 | 54 | 429 | No |
| 1968 | 54 | 429 | No |
| | 108 | 858 | |

**Types of Cement Produced:**

SPECIAL CEMENTS*
TYPE I
TYPE II
TYPE III
* Coarse Grind

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

| | | |
|---|---|---|
| 90 % Clinker | 5.6 % Gypsum | 3.4 % Limestone |
| % Inorganic Processing Addition | | 0.6 % Other |

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
LIMESTONE
SAND
SHALE

**ASH GROVE CEMENT COMPANY** **Suwannee American Cement**

**4750 E County Road 470**
**Sumterville, FL 33585**
**(352) 569-5393**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2009 | Yes | CG ( A ) [ C ] | Dry-C | 2999 | 990 |
| | | | | 2999 | 990 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2009 | 144 | 946 | No |
| | 144 | 946 | |

**Types of Cement Produced:** BLENDED TYPE IL MASONRY CEMENTS* TYPE I
* Type N

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 90 % Clinker 7.7 % Gypsum 2 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
BOTTOM ASH
FLY ASH
LIMESTONE
SAND

**BUZZI UNICEM USA, INC.**

**2425 S. Sprigg Street**
**Cape Girardeau, MO 63703**
**(573) 335-5591**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1981 | Yes | A ( CO ) [ ABD ] | Dry-C | 3842 | 1272 |
| | | | | 3842 | 1272 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1981 | 95 | 700 | No |
| 1981 | 91 | 700 | No |
| | 186 | 1400 | |

**Types of Cement Produced:**

**MASONRY CEMENTS*** **TYPE I** **TYPE II**
*** Type N/S**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**91 % Clinker** **4 % Gypsum** **5 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**BOTTOM ASH**
**BRICK (ALUMINE SOURCE)**
**DIASPORE**
**FILTER CAKE**
**FLY ASH**
**IRON MATERIAL**
**LIMESTONE**
**SAND**

**BUZZI UNICEM USA, INC.** **Chattanooga Plant**

**1201 Suck Creek Road**
**Chattanooga, TN 34705**
**(423) 886-0800**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2001 | Yes | COK ( A ) [ C ] | Dry-C | 2548 | 854 |
| | | | | 2548 | 854 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2000 | 118 | 1000 | No |
| | 118 | 1000 | |

**Types of Cement Produced:**

**MASONRY CEMENTS*** **SPECIAL CEMENTS*** **TYPE I**
**TYPE II** **TYPE III**
*** Type N/S**
*** Soil Stabilization**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**94 % Clinker** **2.6 % Gypsum** **3.6 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**AMORPHOUS SILICA**
**CALCINED KAOLIN**
**IRON ORE**
**LIMESTONE**
**SAND**
**SLATE**

**BUZZI UNICEM USA, INC.**

**1000 River Cement Road**
**Festus, MO 63028-0903**
**(636) 931-0900**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2009 | Yes | GK ( G ) | Dry-C | 7154 | 2268 |
| | | | | 7154 | 2268 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1964 | 76 | 601 | No |
| 1964 | 74 | 601 | No |
| 2008 | 169 | 1249 | No |
| | 319 | 2451 | |

**Types of Cement Produced:** TYPE I TYPE II TYPE III

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 93 % Clinker 3 % Gypsum 4.5 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BAUXITE
BLAST FURNACE SLAG
BOTTOM ASH
CLAY
IRON ORE
LIMESTONE
MILL SCALE
SAND

**BUZZI UNICEM USA, INC.**

**3301 S. County Road 150W**
**Greencastle, IN 46135**
**(765) 653-9766**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2000 | Yes | CA ( O ) [ ABD ] | Dry-C | 3764 | 1231 |
| | | | | 3764 | 1231 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1969 | 59 | 254 | No |
| 1969 | 59 | 454 | No |
| 2000 | 82 | 653 | No |
| | 200 | 1361 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I TYPE III
* Type S

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:** 93 % Clinker 3 % Gypsum 4 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BOTTOM ASH
CARBIDE LIME
CLAY
LIMESTONE
SAND
SHALE

**BUZZI UNICEM USA, INC.**

**2430 South 437 CR**
**Pryor, OK 74361**
**(918) 825-1937**

**Gray Cement**

**Kiln Data - Number of Kilns: 3**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1960 | Yes | CGK ( A ) [ C ] | Dry | 680 | 196 |
| 1962 | Yes | CGK ( A ) [ C ] | Dry | 680 | 196 |
| 1980 | Yes | CGK ( A ) [ C ] | Dry | 816 | 285 |
| | | | | 2176 | 677 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1960 | 26 | 221 | No |
| 1962 | 19 | 166 | No |
| 1973 | 39 | 363 | No |
| | 84 | 750 | |

**Types of Cement Produced:**

MASONRY CEMENTS*
TYPE I
* Type S

OIL WELL SPEC. 10
TYPE II

RAPID HARD
TYPE IIA

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

92 % Clinker
4 % Gypsum
4 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

ALUMINA
BAUXITE
BOTTOM ASH
GYPSUM AND ANHYDRITE
LIMESTONE
MILL SCALE

**BUZZI UNICEM USA, INC.** **Alamo Cement Company**

**6055 Green Mountain Rd.**
**San Antonio, TX 78266**
**(210) 208-1880**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1981 | Yes | K ( G ) | Dry-C | 2630 | 907 |
| | | | | 2630 | 907 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1981 | 91 | 544 | No |
| 1981 | 91 | 544 | No |
| | 182 | 1088 | |

**Types of Cement Produced:**

**GROUTING*** **MASONRY CEMENTS*** **TYPE I**
**TYPE II** **TYPE III**
*** 20**
*** Type N/S**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**87 % Clinker** **5 % Gypsum** **4 % Limestone**
**4 % Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**BOTTOM ASH**
**LIMESTONE**
**MILL SCALE**
**SAND**
**SHALE**

**BUZZI UNICEM USA, INC.**

**501 Hercules Drive**
**Stockertown, PA 18083**
**(610) 759-6300**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1975 | Yes | OK ( A ) [ CD ] | Dry-X | 998 | 315 |
| 1993 | Yes | OK ( A ) [ CD ] | Dry-C | 1814 | 579 |
| | | | | 2812 | 894 |

**Mill Data - Number of Mills: 7**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1955 | 17 | 137 | No |
| 1955 | 17 | 137 | No |
| 1955 | 17 | 137 | No |
| 1955 | 17 | 137 | No |
| 1955 | 19 | 151 | No |
| 1955 | 19 | 151 | No |
| 1955 | 19 | 151 | No |
| | 125 | 1001 | |

**Types of Cement Produced:**

**MASONRY CEMENTS*** **TYPE I** **TYPE IA**
**TYPE II** **TYPE III**
*** Type N/S**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**94 % Clinker** **5.5 % Gypsum** **0.8 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**IRON ORE**
**LIMESTONE**
**SAND**
**SHALE**

**Highway 608 (FM 608)**
**Maryneal, TX 79535**
**(325) 766-6068**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2016 | Yes | G ( K ) | Dry-C | 3199 | 998 |
| | | | | 3199 | 998 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2013 | 73 | 503 | No |
| 2017 | 100 | 594 | No |
| | 173 | 1097 | |

**Types of Cement Produced:** OIL WELL SPEC. 10, TYPE I, TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 90 % Clinker, 6 % Gypsum, 4 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
CLAY
IRON ORE
LIMESTONE
MILL SCALE
SAND

**CALPORTLAND COMPANY**

**9350 Oak Creek Road**
**Mojave, CA 93501**
**(661) 824-2401**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1981 | Yes | CGK | Dry-C | 4131 | 1384 |
| | | | | 4131 | 1384 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1955 | 91 | 653 | No |
| 1960 | 34 | 248 | No |
| 1966 | 60 | 429 | No |
| 2006 | 133 | 955 | No |
| | 318 | 2285 | |

**Types of Cement Produced:** OIL WELL SPEC. 10, TYPE I, TYPE II, TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:** 90 % Clinker, 5.8 % Gypsum, 3.8 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

CLAY
HYDRATED LIME
IRON
LIMESTONE
LIMESTONE CALCITE
SAND
SHALE

**CALPORTLAND COMPANY**

**19409 National Trails Hwy**
**Oro Grande, CA 92368**
**(760) 245-5321**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2008 | Yes | CG | Dry-C | 5624 | 1728 |
| | | | | 5624 | 1728 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2008 | 181 | 1089 | No |
| 2019 | 181 | 1089 | No |
| | 362 | 2178 | |

**Types of Cement Produced:**

PLASTIC CEMENT
TYPE I
TYPE II
TYPE III
TYPE IV

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:**

88 % Clinker
6.2 % Gypsum
5 % Limestone
0.5 % Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

ACTIVE CARBON
CLAY
HYDRATE LIME
IRON ORE
LIMESTONE
SAND
SHALE

**CALPORTLAND COMPANY**

**11115 N. Casa Grande Hwy**
**Rillito, AZ 85654**
**(520) 682-2221**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1985 | Yes | CGK ( O ) | Dry-C | 3084 | 969 |
| | | | | 3084 | 969 |

**Mill Data - Number of Mills: 9**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1942 | 9 | 67 | No |
| 1942 | 9 | 67 | No |
| 1951 | 9 | 67 | No |
| 1955 | 9 | 67 | No |
| 1955 | 9 | 67 | No |
| 1959 | 9 | 67 | No |
| 1969 | 27 | 202 | No |
| 1986 | 100 | 742 | No |
| 2001 | 59 | 438 | No |
| | 240 | 1784 | |

**Types of Cement Produced:** MASONRY CEMENTS, TYPE I, TYPE II, TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:** 90 % Clinker, 6.7 % Gypsum, 3.8 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

CLAY
HG RAW LIMESTONE
HYDRATED LIME
LIMESTONE
MILL SCALE
SAND
SHALE

**CAPITOL AGGREGATES, LTD.** **Capitol Cement**

**11551 Nacogdoches Road**
**San Antonio, TX 78217**
**(210) 655-3010**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1983 | Yes | G ( CA ) [ D ] | Dry-C | 1995 | 701 |
| | | | | 1995 | 701 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1970 | 49 | 408 | No |
| 1992 | 45 | 340 | No |
| | 94 | 748 | |

**Types of Cement Produced:**

BLENDED TYPE IL
BLENDED TYPE IP
MASONRY CEMENTS*
TYPE I
TYPE III
* Type S

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

89 % Clinker
5.5 % Gypsum
2 % Limestone
3 % Inorganic Processing Addition
0.5 % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
CEMENT ROCK AND MARL
FLY ASH
GYPSUM AND ANHYDRITE
LIMESTONE

**10311 Cement Plant Rd.**
**Brooksville, FL 34601**
**(352) 799-7881**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1987 | Yes | CK ( A ) [ CDE ] | Dry-X | 1807 | 607 |
| 2008 | Yes | CK ( O ) [ CDE ] | Dry-C | 2812 | 944 |
| | | | | 4619 | 1551 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1986 | 112 | 795 | No |
| 2008 | 190 | 1495 | No |
| | 302 | 2290 | |

**Types of Cement Produced:**

**BLENDED TYPE IL**
**TYPE I**
*** Type M**
*** Type S**

**MASONRY CEMENTS***
**TYPE II**

**PLASTIC CEMENT***
**TYPE III**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**91 % Clinker** **5.1 % Gypsum** **2.4 % Limestone**
**% Inorganic Processing Addition** **1.5 % Other**

**Primary Source of Raw Materials:**

**BAUXITE**
**BOTTOM ASH**
**CKD**
**CLAY**
**FLY ASH**
**GYPSUM AND ANHYDRITE**
**LIMESTONE**
**MILL SCALE**
**PUMICE**
**SAND**

**2720 Highway 341 South**
**Clinchfield, GA 31013**
**(478) 987-2121**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1999 | Yes | A ( GA ) [ CDE ] | Dry-X | 2254 | 757 |
| | | | | 2254 | 757 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1961 | 24 | 186 | No |
| 1969 | 45 | 358 | No |
| 1977 | 52 | 408 | No |
| | 121 | 952 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I
* Type N/S

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**
92 % Clinker 4.9 % Gypsum 0.3 % Limestone
% Inorganic Processing Addition 2.4 % Other

**Primary Source of Raw Materials:**

CKD
CLAY
LIMESTONE
SAND

**1617 Arcola Road**
**Demopolis, AL 36732**
**(334) 289-4400**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1977 | Yes | CK ( GA ) [ CDE ] | Dry-X | 2521 | 847 |
| | | | | 2521 | 847 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1977 | 60 | 467 | No |
| 1977 | 60 | 467 | No |
| | 120 | 934 | |

**Types of Cement Produced:** BLENDED TYPE IL, TYPE I, TYPE II, TYPE III

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 93 % Clinker, 4.1 % Gypsum, 2 % Limestone, % Inorganic Processing Addition, 1.4 % Other

**Primary Source of Raw Materials:**

CKD
IRON
LIMESTONE
SAND

**6212 Cement Plant Road**
**Knoxville, TN 37924**
**(865) 541-5503**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1978 | Yes | C ( GA ) [ E ] | Dry-C | 2041 | 685 |
| | | | | 2041 | 685 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1978 | 50 | 358 | No |
| 1978 | 47 | 358 | No |
| | 97 | 716 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE II TYPE III
* Type N/S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
93 % Clinker 5.9 % Gypsum % Limestone
0.8 % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

CKD
CLAY
GYPSUM AND ANHYDRITE
LIMESTONE
SAND

**5134 UTE Highway**
**Lyons, CO 80540**
**(303) 823-2101**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1969 | Yes | C ( G ) | Dry-C | 1439 | 483 |
| | | | | 1439 | 483 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1969 | 86 | 573 | No |
| | 86 | 573 | |

**Types of Cement Produced:** BLENDED TYPE IL, TYPE II, TYPE III, TYPE V

**Predominant Cement Produced:** TYPE V

**Characteristics of Most Common ASTM C150 Cement:** 93 % Clinker, 3.8 % Gypsum, 2.9 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

BAUXITE
CKD
IRON ORE
LIMESTONE
SILICIA

**CEMEX USA** **Miami Cement Plant**

**1200 NW 137 Ave.**
**Miami, FL 33182**
**(305) 221-7845**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2000 | Yes | CK ( A ) [ ACD ] | Dry-C | 2948 | 990 |
| | | | | 2948 | 990 |

**Mill Data - Number of Mills: 5**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1958 | 23 | 179 | No |
| 1958 | 23 | 179 | No |
| 1958 | 14 | 107 | No |
| 1958 | 23 | 179 | No |
| 2000 | 80 | 629 | No |
| | 163 | 1273 | |

**Types of Cement Produced:**

**BLENDED TYPE IL** **MASONRY CEMENTS*** **TYPE I**
**TYPE II**
*** Type S/M**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**92 % Clinker** **4.9 % Gypsum** **2.4 % Limestone**
**0.7 % Inorganic Processing Addition** **0.2 % Other**

**Primary Source of Raw Materials:**

**BAUXITE**
**BLAST FURNACE SLAG**
**CKD**
**FLYASH**
**LIMESTONE**
**SAND**

**2580 Wald Road**
**New Braunfels, TX 78132**
**(210) 250-4100**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1978 | Yes | K ( GA ) [ CE ] | Dry-X | 2834 | 952 |
| 2008 | Yes | K ( GA ) [ CDE ] | Dry-C | 3265 | 1097 |
| | | | | 6099 | 2049 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1978 | 87 | 687 | No |
| 1978 | 87 | 687 | No |
| 2008 | 170 | 1337 | No |
| | 344 | 2711 | |

**Types of Cement Produced:** TYPE I TYPE II

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

92 % Clinker
4.1 % Gypsum
3.5 % Limestone
% Inorganic Processing Addition
0.2 % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
BOTTOM ASH
CKD
CLAY
LIMESTONE
SAND

**16888 North "E" Street**
**Victorville, CA 92394**
**(760) 381-7600**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1987 | Yes | CK ( GA ) [ CD ] | Dry-C | 3103 | 1042 |
| 2001 | Yes | CK ( GA ) [ CDE ] | Dry-C | 4941 | 1659 |
| | | | | 8044 | 2701 |

**Mill Data - Number of Mills: 7**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1953 | 16 | 107 | No |
| 1953 | 16 | 107 | No |
| 1953 | 16 | 107 | No |
| 1953 | 16 | 107 | No |
| 1978 | 86 | 572 | No |
| 1984 | 136 | 1073 | No |
| 2001 | 136 | 1073 | No |
| | 422 | 3146 | |

**Types of Cement Produced:** TYPE II TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:**

| | | |
|---|---|---|
| 90 % Clinker | 6.8 % Gypsum | 2.1 % Limestone |
| 0.7 % Inorganic Processing Addition | | 0.03 % Other |

**Primary Source of Raw Materials:**

CKD
LIMESTONE

**CONTINENTAL CEMENT COMPANY** **Davenport Plant**

**301 East Front Street**
**Buffalo, IA 52728**
**(563) 323-2751**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1981 | Yes | K ( CA ) [ AD ] | Dry-C | 2860 | 951 |
| | | | | 2860 | 951 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1982 | 133 | 989 | No |
| | 133 | 989 | |

**Types of Cement Produced:** BLENDED TYPE IS, TYPE I, TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
90 % Clinker, 4.7 % Gypsum, 2.6 % Limestone
1.9 % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

BAUXITE
CKD
CLAY
FLY ASH
LIME PLANT WASTE
LIMESTONE
MILL SCALE
SAND

**CONTINENTAL CEMENT COMPANY** **Hannibal Plant**

**10107 Hwy 79**
**Hannibal, MO 63401**
**(573) 221-1740**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2008 | Yes | C ( GA ) [ BDE ] | Dry-C | 2971 | 927 |
| | | | | 2971 | 927 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| | 0 | 0 | No |
| 1966 | 54 | 321 | No |
| 1966 | 115 | 724 | No |
| | 169 | 1045 | |

**Types of Cement Produced:** TYPE I TYPE II TYPE III

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 6.5 % Gypsum 2.8 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

CLAY
LIMESTONE
MILL SCALE
SHALE

**5001 E. Drake Rd**
**Paulden, AZ 86334**
**(928) 636-6004**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2010 | Yes | C ( K ) [ A ] | Dry-C | 1814 | 566 |
| | | | | 1814 | 566 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2010 | 91 | 577 | No |
| | 91 | 577 | |

**Types of Cement Produced:** TYPE II TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 7 % Gypsum 2 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BOTTOM ASH
CKD
LIMESTONE

**Interstate 80 At Exit 46**
**Fernley, NV 89408**
**(775) 575-2281**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1964 | Yes | C ( KA ) [ A ] | Dry | 664 | 226 |
| 1986 | Yes | C ( KA ) [ A ] | Dry-X | 664 | 226 |
| | | | | 1328 | 452 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1964 | 24 | 189 | No |
| 1970 | 23 | 175 | No |
| 1970 | 23 | 175 | No |
| | 70 | 539 | |

**Types of Cement Produced:** BLENDED TYPE IP TYPE II

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:**
% Clinker % Gypsum % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

CLAY
LIMESTONE

**1601 Rockwell Road**
**La Salle, IL 61301-0442**
**(815) 224-2112**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2006 | Yes | K ( C ) | Dry-C | 2721 | 893 |
| | | | | 2721 | 893 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1974 | 41 | 321 | No |
| 1999 | 77 | 607 | No |
| | 118 | 928 | |

**Types of Cement Produced:** TYPE I TYPE III

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**
% Clinker % Gypsum % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

LIMESTONE

**#5 Sand Creek Road**
**Laramie, WY 82070**
**(307) 745-4879**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1996 | Yes | C ( G ) | Dry | 498 | 172 |
| 1999 | Yes | C ( G ) | Dry-X | 1179 | 401 |
| | | | | 1677 | 573 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1968 | 27 | 218 | No |
| 1981 | 58 | 472 | No |
| | 85 | 690 | |

**Types of Cement Produced:** OIL WELL SPEC. 10 TYPE II TYPE V

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:**
% Clinker % Gypsum % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

GYPSUM AND ANHYDRITE
LIMESTONE
MILL SCALE
SHALE

**EAGLE MATERIALS**

**15301 Dixie Highway**
**Louisville, KY 40272**
**(502) 935-7331**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2000 | Yes | C ( OGKA ) [ CDE ] | Dry-C | 4263 | 1432 |
| | | | | 4263 | 1432 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1974 | 48 | 379 | No |
| 1974 | 48 | 379 | No |
| 2000 | 104 | 823 | No |
| | 200 | 1581 | |

**Types of Cement Produced:**

MASONRY CEMENTS* TYPE I TYPE II
TYPE III
* Type N/S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

95 % Clinker 4.6 % Gypsum % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

FLY ASH
GYPSUM AND ANHYDRITE
LIMESTONE
SAND

**EAGLE MATERIALS**

**2200 Courtney Road**
**Sugar Creek, MO 64050**
**(816) 247-4831**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2002 | Yes | KA ( CGA ) [ CDE ] | Dry-C | 2781 | 943 |
| | | | | 2781 | 943 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1953 | 16 | 133 | No |
| 1958 | 31 | 252 | No |
| 1984 | 23 | 185 | No |
| 2001 | 77 | 622 | No |
| | 147 | 1192 | |

**Types of Cement Produced:** BLENDED TYPE IS TYPE III, TYPE I, TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker, 5.3 % Gypsum, 3.7 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
BOTTOM ASH
CLAY
FOUNDRY SAND
LIMESTONE
MILL SCALE
SAND

**2609 N. 145th East Avenue**
**Tulsa, OK 74116**
**(918) 427-3902**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1961 | Yes | C ( GKA ) [ CD ] | Dry | 861 | 281 |
| 1963 | Yes | C ( GKA ) [ CD ] | Dry | 918 | 299 |
| | | | | 1779 | 580 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1961 | 34 | 269 | No |
| 1961 | 34 | 269 | No |
| 1996 | 45 | 354 | No |
| | 113 | 892 | |

**Types of Cement Produced:**

**MASONRY CEMENTS*** **TYPE I** **TYPE II**
**TYPE IIIA**
*** Type N/S**

**Predominant Cement Produced:** **TYPE II**

**Characteristics of Most Common ASTM C150 Cement:**

**93 % Clinker** **3.5 % Gypsum** **1.5 % Limestone**
**% Inorganic Processing Addition** **2 % Other**

**Primary Source of Raw Materials:**

**BLAST FURNACE SLAG**
**LIMESTONE**
**SAND**

**3250 Linebaugh Road**
**Xenia, OH 45385**
**(937) 878-8651**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1974 | Yes | C ( GA ) [ D ] | Dry-X | 1973 | 663 |
| | | | | 1973 | 663 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1998 | 109 | 858 | No |
| | 109 | 858 | |

**Types of Cement Produced:**

**MASONRY CEMENTS***
**TYPE I**
**TYPE III**
*** Type N/S/M**
*** Type S**

**MORTAR CEMENT***
**TYPE IA**

**OIL WELL SPEC. 10**
**TYPE II**

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

89 % Clinker
0.9 % Gypsum
4.4 % Limestone
5.5 % Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

**AGGREGATE DUST**
**BLAST FURNACE SLAG**
**CLAY**
**FLY ASH**
**GYPSUM AND ANHYDRITE**
**LIMESTONE**
**MILL SCALE**
**SYNTHETIC GYPSUM**

**GCC OF AMERICA, INC.**

**16501 West Murphy Street**
**Odessa, TX 79766**
**(432) 385-7075**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1958 | Yes | G | Dry | 680 | 222 |
| 1985 | Yes | G | Dry-X | 771 | 253 |
| | | | | 1451 | 475 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1958 | 32 | 177 | No |
| 1963 | 21 | 117 | No |
| 1985 | 48 | 268 | No |
| | 101 | 562 | |

**Types of Cement Produced:** OIL WELL SPEC. 10

**Predominant Cement Produced:** OIL WELL SPEC. 10

**Characteristics of Most Common ASTM C150 Cement:**
% Clinker | % Gypsum | % Limestone
% Inorganic Processing Addition | % Other

**Primary Source of Raw Materials:**

IRON ORE
LIMESTONE
SAND

**GCC OF AMERICA, INC.** **Pueblo Plant**

**3372 Lime Road**
**Pueblo, CO 81004**
**(719) 647-6800**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2008 | Yes | C ( A ) [ C ] | Dry-C | 2948 | 979 |
| | | | | 2948 | 979 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2008 | 165 | 996 | No |
| | 165 | 996 | |

**Types of Cement Produced:** TYPE I TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 6 % Gypsum 3 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BOTTOM ASHES
CULLEN
GYPSUM AND ANHYDRITE
LIMESTONE
MAGNETITE
MILL SCALE
SAND

501 N. Saint Onge Street
Rapid City, SD 57702
(605) 721-7100

Gray Cement

Kiln Data - Number of Kilns: 1

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2018 | Yes | C ( G ) | Dry-C | 3265 | 1084 |
| | | | | 3265 | 1084 |

Mill Data - Number of Mills: 4

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1956 | 23 | 169 | No |
| 1976 | 36 | 270 | No |
| 1976 | 36 | 270 | No |
| 1978 | 77 | 574 | No |
| | 172 | 1283 | |

Types of Cement Produced:

BLENDED TYPE IL
BLENDED TYPE IP
MASONRY CEMENTS*
OIL WELL SPEC. 10
TYPE GU (10)
TYPE I
TYPE II
TYPE III
* Type N

Predominant Cement Produced: TYPE I/II

Characteristics of Most Common ASTM C150 Cement:

93 % Clinker
5.5 % Gypsum
2 % Limestone
% Inorganic Processing Addition
% Other

Primary Source of Raw Materials:

CKD
GYPSUM AND ANHYDRITE
LIMESTONE
OTHER (VARIOUS BLENDS)
SAND
SHALE

**GCC OF AMERICA, INC.** **Trident Plant**

**4070 Trident Road**
**Three Forks, MT 59752**
**(406) 285-4191**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1974 | Yes | G ( K ) | Wet | 986 | 286 |
| | | | | 986 | 286 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1950 | 38 | 281 | No |
| 1990 | 13 | 95 | No |
| | 51 | 376 | |

**Types of Cement Produced:**

MASONRY CEMENTS* TYPE GU (10) TYPE I
TYPE II TYPE III TYPE V
* Type S

**Predominant Cement Produced:** TYPE V

**Characteristics of Most Common ASTM C150 Cement:**

90 % Clinker 6.5 % Gypsum 4 % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

IRON ORE
LIMESTONE
SAND
SHALE

**GCC OF AMERICA, INC.** **GCC Rio Grande-Tijeras Plant**

**11783 State Hwy 337 South**
**Tijeras, NM 87059**
**(505) 286-6011**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1978 | Yes | C ( G ) | Dry-X | 599 | 195 |
| 1978 | Yes | C ( G ) | Dry-X | 599 | 195 |
| | | | | 1198 | 390 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1958 | 23 | 137 | No |
| 1958 | 23 | 137 | No |
| 1978 | 21 | 101 | No |
| | 67 | 375 | |

**Types of Cement Produced:**

**MASONRY CEMENTS*** **OIL WELL SPEC. 10** **TYPE I**
**TYPE II** **TYPE III** **TYPE V**
*** Type S**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**92 % Clinker** **5.5 % Gypsum** **2.5 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**BOTTOM ASH**
**LIMESTONE**
**MAGNETITE**

**GIANT CEMENT HOLDING, INC.** **Keystone Cement Company**

**6507 Nor Bath Blvd**
**Bath, PA 18014-0058**
**(610) 837-1881**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2009 | Yes | C ( A ) [ B ] | Dry-C | 2993 | 949 |
| | | | | 2993 | 949 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1993 | 82 | 621 | No |
| 2009 | 80 | 607 | No |
| | 162 | 1228 | |

**Types of Cement Produced:**

MASONRY CEMENTS* TYPE GU (10) TYPE I
TYPE IA TYPE II TYPE III
* Type N/S/M

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

95 % Clinker 5.5 % Gypsum % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

LIMESTONE
SAND
SLAG

**GIANT CEMENT HOLDING, INC.**

**654 Judge Street**
**Harleyville, SC 29448**
**(803) 496-5033**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2005 | Yes | C ( GA ) [ ABD ] | Dry-C | 2468 | 852 |
| | | | | 2468 | 852 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1974 | 50 | 139 | No |
| 2004 | 84 | 702 | No |
| | 134 | 841 | |

**Types of Cement Produced:**

**MASONRY CEMENTS* TYPE I TYPE II**
**TYPE III**
*** Type N/S**

**Predominant Cement Produced:** **TYPE I**

**Characteristics of Most Common ASTM C150 Cement:**

**95 % Clinker 5 % Gypsum % Limestone**
**% Inorganic Processing Addition % Other**

**Primary Source of Raw Materials:**

**BOTTOM ASH**
**CEMENT ROCK AND MARL**
**GYPSUM AND ANHYDRITE**
**IRON**
**SAND**

**GIANT CEMENT HOLDING, INC.**

**107 New County Rd**
**Thomaston, ME 04861**
**(207) 593-0133**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2004 | Yes | K ( A ) [ C ] | Dry-C | 1814 | 572 |
| | | | | 1814 | 572 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1970 | 82 | 656 | No |
| | 82 | 656 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE II TYPE III
* Type N/S

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:** 92 % Clinker 5.6 % Gypsum 1.5 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

SAND

**LAFARGEHOLCIM**

**14500 CR 1550**
**Ada, OK 74820**
**(580) 421-8929**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2017 | Yes | G ( A ) [ C ] | Dry-C | 1897 | 620 |
| | | | | 1897 | 620 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1959 | 42 | 309 | No |
| 1960 | 42 | 309 | No |
| | 84 | 618 | |

**Types of Cement Produced:**

**MASONRY CEMENTS*** **SPECIAL CEMENTS*** **TYPE I**
**TYPE II**
*** Type N/S**
*** S-SORB III**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**90 % Clinker** **5.6 % Gypsum** **4.4 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**IRON MATERIAL**
**LIMESTONE**
**SHALE**
**SPENT CATALYST**

**LAFARGEHOLCIM**

**1435 Ford Ave.**
**Alpena, MI 49707**
**(989) 354-4171**

**Gray Cement**

**Kiln Data - Number of Kilns: 5**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1962 | Yes | K ( C ) | Dry | 1028 | 336 |
| 1965 | Yes | K ( C ) | Dry | 1018 | 332 |
| 1965 | Yes | K ( C ) | Dry | 1029 | 336 |
| 1975 | Yes | K ( C ) | Dry | 1837 | 600 |
| 1975 | Yes | K ( C ) | Dry | 1837 | 600 |
| | | | | 6749 | 2204 |

**Mill Data - Number of Mills: 5**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1954 | 17 | 127 | No |
| 1954 | 17 | 127 | No |
| 1960 | 60 | 447 | No |
| 1964 | 150 | 1117 | No |
| 1966 | 155 | 1154 | No |
| | 399 | 2972 | |

**Types of Cement Produced:**

MASONRY CEMENTS* TYPE I TYPE II
TYPE III
* Type S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

92 % Clinker 5.2 % Gypsum 3 % Limestone
% Inorganic Processing Addition 0.2 % Other

**Primary Source of Raw Materials:**

BAUXITE
BOTTOM ASH
FLY ASH
IRON MATERIAL
LIMESTONE
SAND

**LAFARGEHOLCIM** **Ste. Genevieve**

**2942 US Hwy 61**
**Bloomsdale, MO 63627**
**(636) 524-8170**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2009 | Yes | CK ( A ) [ A ] | Dry-C | 12582 | 4109 |
| | | | | 12582 | 4109 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 2009 | 165 | 1229 | No |
| 2009 | 165 | 1229 | No |
| 2009 | 165 | 1229 | No |
| 2010 | 165 | 1229 | No |
| | 660 | 4916 | |

**Types of Cement Produced:** TYPE I TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
90 % Clinker
5.3 % Gypsum
3.8 % Limestone
% Inorganic Processing Addition
0.7 % Other

**Primary Source of Raw Materials:**

BOTTOM ASH
CLAY
FLY ASH
IRON MATERIAL
LIMESTONE
SAND
SPENT CATALYST

**LAFARGEHOLCIM** **Portland Plant**

**3500 Highway 120**
**Florence, CO 81226**
**(719) 784-6325**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2001 | Yes | G ( A ) [ C ] | Dry-C | 4975 | 1625 |
| | | | | 4975 | 1625 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| | | | No |
| 1976 | 34 | 247 | No |
| 2001 | 292 | 2173 | No |
| | 326 | 2420 | |

**Types of Cement Produced:**

BLENDED TYPE IL
TYPE GU (10)
TYPE II
* Type N

BLENDED TYPE IP
TYPE HE (30)
TYPE III

MASONRY CEMENTS*
TYPE I

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

90 % Clinker
5.5 % Gypsum
4.3 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

IRON MATERIAL
LIMESTONE
MAGNESIUM CHLORIDE
SAND

**2500 Portland Road**
**Grand Chain, IL 62941**
**(618) 543-3921**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1963 | Yes | K ( C ) | Dry | 1160 | 375 |
| 1974 | Yes | G | Dry | 1853 | 599 |
| | | | | 3013 | 974 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1963 | 70 | 520 | No |
| 1974 | 125 | 931 | No |
| | 195 | 1451 | |

**Types of Cement Produced:**

OIL WELL SPEC. 10
SPECIAL CEMENTS*
TYPE I
TYPE II
TYPE LH (40)
* S-SORB

**Predominant Cement Produced:** OIL WELL SPEC. 10

**Characteristics of Most Common ASTM C150 Cement:**

96 % Clinker
3.8 % Gypsum
% Limestone
% Inorganic Processing Addition
0.2 % Other

**Primary Source of Raw Materials:**

BOTTOM ASH
CLAY
IRON MATERIAL
LIMESTONE
SAND

**LAFARGEHOLCIM**

**1260 Security Road**
**Hagerstown, MD 21742**
**(301) 739-1150**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2016 | Yes | C ( A ) [ C ] | Dry-C | 2279 | 745 |
| | | | | 2279 | 745 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1970 | 70 | 519 | No |
| 2019 | 29 | 215 | No |
| | 99 | 734 | |

**Types of Cement Produced:**

TYPE GU (10)
TYPE I
TYPE II
TYPE III
TYPE MS (20)

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

93 % Clinker
6 % Gypsum
1 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

IRON MATERIAL
LIMESTONE
SHALE

**LAFARGEHOLCIM**

**2173 Gardner Blvd.**
**Holly Hill, SC 29059**
**(803) 496-5027**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2003 | Yes | A ( C ) [ B ] | Dry-C | 5699 | 1861 |
| | | | | 5699 | 1861 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1982 | 62 | 459 | No |
| 2003 | 148 | 1104 | No |
| 2003 | 148 | 1104 | No |
| | 358 | 2667 | |

**Types of Cement Produced:**

**BLENDED TYPE IL**
**TYPE GU (10)**
**TYPE III**
*** Type N/S**
*** Type S**

**MASONRY CEMENTS***
**TYPE I**
**TYPE MS (20)**

**MORTAR CEMENT***
**TYPE II**

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

92 % Clinker
5.4 % Gypsum
3.2 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

**CEMENT ROCK AND MARL**
**FLY ASH**
**IRON MATERIAL**
**SAND**

**LAFARGEHOLCIM**

**1800 Dove Lane**
**Midlothian, TX 76065**
**(972) 923-5800**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1987 | Yes | G ( A ) [ C ] | Dry-C | 3277 | 1070 |
| 2000 | Yes | G ( KA ) [ CD ] | Dry-C | 3229 | 1055 |
| | | | | 6506 | 2125 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1987 | 97 | 724 | No |
| 1987 | 98 | 727 | No |
| 2000 | 153 | 1139 | No |
| | 348 | 2590 | |

**Types of Cement Produced:** BLENDED TYPE IL, TYPE I, TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**
89 % Clinker
6.8 % Gypsum
4.9 % Limestone
% Inorganic Processing Addition
0.3 % Other

**Primary Source of Raw Materials:**

IRON MATERIAL
LIMESTONE
SAND
SHALE

**LAFARGEHOLCIM** **Devil's Slide**

**6055 East Croydon**
**Morgan, UT 84050**
**(801) 829-6821**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1997 | Yes | C ( A ) [ CD ] | Dry-C | 2185 | 714 |
| | | | | 2185 | 714 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1988 | 34 | 252 | No |
| 1998 | 35 | 267 | No |
| 2002 | 82 | 605 | No |
| | 151 | 1124 | |

**Types of Cement Produced:**

BLENDED TYPE IP
TYPE GU (10)
TYPE HS (50)
TYPE II
TYPE III
TYPE V

**Predominant Cement Produced:** TYPE V

**Characteristics of Most Common ASTM C150 Cement:**

90 % Clinker
6.6 % Gypsum
4.0 % Limestone
% Inorganic Processing Addition
0.05 % Other

**Primary Source of Raw Materials:**

CLAY
FLY ASH
IRON MATERIAL
LIMESTONE
SAND
SPENT CATALYST

**LAFARGEHOLCIM**

**11435 County Road 176**
**Paulding, OH 45879-0160**
**(419) 399-4861**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1955 | Yes | A ( G ) [ B ] | Wet | 636 | 208 |
| 1956 | Yes | A ( G ) [ B ] | Wet | 638 | 208 |
| | | | | 1274 | 416 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1956 | 30 | 223 | No |
| 1956 | 30 | 223 | No |
| 1958 | 20 | 149 | No |
| | 80 | 595 | |

**Types of Cement Produced:** TYPE I

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:** 93 % Clinker; 6.3 % Gypsum; 1.3 % Limestone; % Inorganic Processing Addition; % Other

**Primary Source of Raw Materials:**

CLAY
LIMESTONE
OTHER (VARIOUS BLENDS)
SAND

**LAFARGEHOLCIM**

**1916 US Route 9W**
**Ravena, NY 12143**
**(518) 756-5000**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2017 | Yes | C ( O ) | Dry-C | 4750 | 1551 |
| | | | | 4750 | 1551 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1962 | 72 | 536 | No |
| 1962 | 72 | 536 | No |
| 1962 | 75 | 558 | No |
| 1964 | 75 | 558 | No |
| | 294 | 2188 | |

**Types of Cement Produced:** TYPE I TYPE II

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 94 % Clinker 5.7 % Gypsum 0.4 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

LIMESTONE
OTHER (VARIOUS BLENDS)
SAND

**LAFARGEHOLCIM**

**3051 Hamilton Blvd.**
**Theodore, AL 36582**
**(251) 443-6200**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1981 | Yes | CK ( A ) [ CD ] | Dry-C | 4607 | 1505 |
| | | | | 4607 | 1505 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1981 | 132 | 985 | No |
| 1981 | 126 | 937 | No |
| | 258 | 1922 | |

**Types of Cement Produced:**

BLENDED TYPE IL
MASONRY CEMENTS*
TYPE GU (10)
TYPE I
TYPE II
TYPE III
TYPE MS (20)
* Type N/S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
4.8 % Gypsum
4 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

BOTTOM ASH
FLY ASH
LIMESTONE
OTHER (VARIOUS BLENDS)
SAND

**LAFARGEHOLCIM**

**5160 Main Street**
**Whitehall, PA 18052**
**(610) 262-7831**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1965 | Yes | C ( A ) [ CD ] | Dry-X | 1276 | 417 |
| 1975 | Yes | C ( A ) [ CD ] | Dry-X | 900 | 294 |
| | | | | 2176 | 711 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1969 | 51 | 382 | No |
| 1974 | 67 | 501 | No |
| | 118 | 883 | |

**Types of Cement Produced:**

BLENDED TYPE IP
BLENDED TYPE IS
MASONRY CEMENTS*
SPECIAL CEMENTS*
TYPE I
TYPE IA
TYPE II
TYPE III
* Type N/S/M
* NEWCEM GRADE 120

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
6.2 % Gypsum
2.9 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

CKD
LIMESTONE
OTHER (VARIOUS BLENDS)
SAND

**LEHIGH HANSON, INC.**

**741 Marine Drive**
**Bellingham, WA 98225**
**(360) 733-6720**

**Gray Cement**

**Grinding Only**

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1953 | 17 | 132 | No |
| 1959 | 39 | 259 | No |
| | 56 | 391 | |

**Types of Cement Produced:** BLENDED TYPE IL, BLENDED TYPE IP, TYPE I, TYPE III

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

| | | |
|---|---|---|
| 91 % Clinker | 4.3 % Gypsum | 3.5 % Limestone |
| % Inorganic Processing Addition | | 1.5 % Other |

**537 Evansville Road**
**Fleetwood, PA 19522**
**(610) 926-1024**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1965 | Yes | G ( A ) [ CD ] | Dry-X | 1568 | 502 |
| 1965 | Yes | G ( A ) [ CD ] | Dry-X | 1568 | 502 |
| | | | | 3136 | 1004 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1975 | 54 | 371 | No |
| 1975 | 45 | 309 | No |
| 1975 | 64 | 433 | No |
| | 163 | 1113 | |

**Types of Cement Produced:**

**BLENDED TYPE IS TYPE I**
*** Type N/S/M**
**MASONRY CEMENTS* TYPE III**
**OIL WELL SPEC. 10**

**Predominant Cement Produced:** **TYPE I**

**Characteristics of Most Common ASTM C150 Cement:**

**92 % Clinker** **4.3 % Gypsum** **3.6 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**CEMENT ROCK AND MARL**
**HYDRATE**
**IRON ORE**
**LIMESTONE**
**SAND**

**LEHIGH HANSON, INC.** | **Lehigh Southwest**

**24001 Stevens Creek Blvd.**
**Cupertino, CA 95014**
**(408) 996-4271**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1979 | Yes | K ( G ) [ D ] | Dry-C | 4119 | 1351 |
| | | | | 4119 | 1351 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| | | | No |
| 1990 | 122 | 966 | No |
| 1990 | 41 | 322 | No |
| | 163 | 1288 | |

**Types of Cement Produced:** SPECIAL CEMENTS* TYPE III TYPE V
* Plastering Cement

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:** 93 % Clinker 4 % Gypsum 3.5 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

ACTIVATED CARBON
AMMONIA
BAUXITE
LIMESTONE
MILL SCALE

**LEHIGH HANSON, INC.**

**313 Warren Street**
**Glens Falls, NY 12801**
**(518) 792-1137**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1973 | Yes | G ( CA ) [ E ] | Dry-X | 1723 | 586 |
| | | | | 1723 | 586 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1985 | 32 | 251 | No |
| 1985 | 32 | 251 | No |
| | 64 | 502 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I TYPE II
* Type S

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:**
92 % Clinker 5 % Gypsum 2.5 % Limestone
% Inorganic Processing Addition 1 % Other

**Primary Source of Raw Materials:**

LIMESTONE
WOLLASTONITE

**LEHIGH HANSON, INC.**

**8401 Second Ave.**
**Leeds, AL 35094**
**(205) 699-2231**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1976 | Yes | G ( C ) | Dry-X | 2222 | 716 |
| | | | | 2222 | 716 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1959 | 22 | 164 | No |
| 1976 | 26 | 194 | No |
| 1982 | 63 | 469 | No |
| | 111 | 827 | |

**Types of Cement Produced:**

BLENDED TYPE IL
MASONRY CEMENTS*
TYPE I
TYPE II
* Type N/S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

93 % Clinker
5.7 % Gypsum
% Limestone
1 % Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

CLAY
FLY ASH
LIMESTONE
OTHER (VARIOUS BLENDS)
SAND

**LEHIGH HANSON, INC.**

**3084 West C.R. 225 South**
**Logansport, IN 46947**
**(574) 739-6133**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1962 | Yes | A ( O ) [ B ] | Wet | 653 | 193 |
| 1965 | Yes | A ( O ) [ B ] | Wet | 653 | 193 |
| | | | | 1306 | 386 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1962 | 32 | 209 | No |
| 1966 | 32 | 209 | No |
| | 64 | 418 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I
* Type N/S

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**
85 % Clinker
7 % Gypsum
5 % Limestone
% Inorganic Processing Addition
3 % Other

**Primary Source of Raw Materials:**

ALUM DROSS
BAUXITE
CAUSTIC SODA WATER
CLAY
LIMESTONE
SPENT FCC CATALYST

**LEHIGH HANSON, INC.**

**700 25th St., NW**
**Mason City, IA 50401**
**(641) 421-3400**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1978 | Yes | G ( A ) [ D ] | Dry-C | 2355 | 730 |
| | | | | 2355 | 730 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1958 | 23 | 136 | No |
| 1958 | 23 | 136 | No |
| 1958 | 23 | 136 | No |
| 1982 | 73 | 544 | No |
| | 142 | 952 | |

**Types of Cement Produced:** TYPE I TYPE III

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 6 % Gypsum 3.5 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

CKD
CLAY
LIMESTONE
SAND

**LEHIGH HANSON, INC.**

**180 N Meridian Road**
**Mitchell, IN 47446**
**(812) 849-2191**

**Gray Cement**

**Kiln Data - Number of Kilns: 3**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1960 | Yes | C ( G ) | Dry-X | 687 | 230 |
| 1960 | Yes | C ( G ) | Dry-X | 687 | 230 |
| 1976 | Yes | C ( G ) | Dry-X | 751 | 252 |
| | | | | 2125 | 712 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1961 | 20 | 154 | No |
| 1961 | 20 | 154 | No |
| 1961 | 20 | 154 | No |
| 1976 | 22 | 169 | No |
| | 82 | 631 | |

**Types of Cement Produced:** TYPE I TYPE III

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:** 92 % Clinker 6 % Gypsum 2 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BOTTOM ASH
LIMESTONE
SAND
SHALE

**LEHIGH HANSON, INC.**

**3938 Easton Nazareth Hwy**
**Nazareth, PA 18064**
**(610) 759-2222**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1978 | Yes | G ( KA ) [ D ] | Dry-X | 3799 | 1216 |
| | | | | 3799 | 1216 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1964 | 14 | 426 | No |
| 1977 | 120 | 907 | No |
| | 134 | 1333 | |

**Types of Cement Produced:**

BLENDED TYPE IL
TYPE GU (10)
TYPE II
* Type N/S
* Type M

MASONRY CEMENTS*
TYPE I
TYPE III

MORTAR CEMENT*
TYPE IA

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
6 % Gypsum
3 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

IRON
LIMESTONE
SAND

**LEHIGH HANSON, INC.** **Lehigh Southwest**

**15390 Wonderland Blvd.**
**Redding, CA 96003**
**(530) 275-1581**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1980 | Yes | C ( GKA ) [ C ] | Dry-X | 1496 | 509 |
| | | | | 1496 | 509 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1961 | 27 | 191 | No |
| 1961 | 27 | 191 | No |
| 1961 | 27 | 191 | No |
| | 81 | 573 | |

**Types of Cement Produced:** TYPE GU (10) TYPE II TYPE V

**Predominant Cement Produced:** TYPE V

**Characteristics of Most Common ASTM C150 Cement:**
93 % Clinker 5.5 % Gypsum % Limestone
2 % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

CLAY
LIMESTONE
SHALE

**LEHIGH HANSON, INC.**

**301 N. Highway 31**
**Speed, IN 47172**
**(812) 246-5472**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1973 | Yes | C ( O ) | Dry | 649 | 208 |
| 1977 | Yes | C ( O ) | Dry-X | 1939 | 621 |
| | | | | 2588 | 829 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1949 | 14 | 86 | No |
| 1954 | 18 | 108 | No |
| 1959 | 20 | 122 | No |
| 1964 | 93 | 572 | No |
| | 145 | 888 | |

**Types of Cement Produced:**

BLENDED TYPE IL
COLORED PORTLAND
MASONRY CEMENTS*
MORTAR CEMENT*
SPECIAL CEMENTS*
TYPE II
TYPE III
* Type N/S/M
* Type N/S/M
* Soil Stabilization

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:**

93 % Clinker
4.9 % Gypsum
0.6 % Limestone
% Inorganic Processing Addition
1.2 % Other

**Primary Source of Raw Materials:**

ACTIVATED CARBON
AQUEOUS AMMONIA
BOTTOM ASH
CLAY
HYDRATED LIME
LIMESTONE
MILL SCALE

**LEHIGH HANSON, INC.** **Lehigh Southwest**

**13573 Tehachapi Blvd.**
**Tehachapi, CA 93561**
**(661) 822-4445**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1992 | Yes | CGK ( A ) [ E ] | Dry-C | 3030 | 970 |
| | | | | 3030 | 970 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1965 | 68 | 499 | No |
| 1975 | 68 | 499 | No |
| | 136 | 998 | |

**Types of Cement Produced:** TYPE II TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:** 91 % Clinker 6.8 % Gypsum 2.4 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

IRON
LIMESTONE
SILICA

**LEHIGH HANSON, INC.**

**675 Quaker Hill Road**
**Union Bridge, MD 21791**
**(410) 386-1210**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2001 | Yes | C ( O ) [ D ] | Dry-C | 6191 | 2087 |
| | | | | 6191 | 2087 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1970 | 73 | 572 | No |
| 2002 | 154 | 1216 | No |
| 2006 | 163 | 1287 | No |
| | 390 | 3075 | |

**Types of Cement Produced:**

MASONRY CEMENTS* TYPE I TYPE II
TYPE III TYPE IIIA
* Type N/S

**Predominant Cement Produced:** TYPE II

**Characteristics of Most Common ASTM C150 Cement:**

90 % Clinker 6.2 % Gypsum 3.6 % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BAUXITE
BOTTOM ASH
CATALYST
FLY ASH
LIMESTONE
SAND

**LEHIGH WHITE CEMENT** **Waco Plant**

**100 South Wickson Road**
**Woodway, TX 76712**
**(254) 776-7162**

**White Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1969 | Yes | GK | Wet | 299 | 101 |
| | | | | 299 | 101 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1969 | 15 | 121 | No |
| | 15 | 121 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I WHITE CEMENT
* Type N/S

**Predominant Cement Produced:** WHITE CEMENT

**Characteristics of Most Common ASTM C150 Cement:**
95 % Clinker 5 % Gypsum % Limestone
% Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

ALUMINA WASTE
CLAY
LIMESTONE

## LEHIGH WHITE CEMENT

**200 Hokes Mill Rd.**
**York, PA 17404**
**(717) 843-0811**

**White Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1969 | Yes | G | Wet | 349 | 112 |
| | | | | 349 | 112 |

**Mill Data - Number of Mills: 1**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1962 | 16 | 130 | No |
| | 16 | 130 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I TYPE III
WHITE CEMENT
* Type N/S

**Predominant Cement Produced:** WHITE CEMENT

**Characteristics of Most Common ASTM C150 Cement:**
89 % Clinker 7 % Gypsum 3 % Limestone
1 % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

CKD
CLAY
LIMESTONE
RECYCLED CLAY MATERIAL

**MARTIN MARIETTA MATERIALS, INC.** **Midlothian Cement**

**245 Ward Road**
**Midlothian, TX 76065**
**(972) 647-4985**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2000 | Yes | CG ( A ) [ C ] | Dry-C | 6803 | 2234 |
| | | | | 6803 | 2234 |

**Mill Data - Number of Mills: 6**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1960 | 29 | 228 | No |
| 1962 | 29 | 223 | No |
| 1967 | 29 | 230 | No |
| 1971 | 41 | 195 | No |
| 1979 | 22 | 183 | No |
| 1999 | 137 | 1047 | No |
| | 287 | 2106 | |

**Types of Cement Produced:**

**MASONRY CEMENTS***
**TYPE I**
*** Type S**
*** Proprietary Lightweight**

**OIL WELL SPEC. 10**
**TYPE II**

**SPECIAL CEMENTS***
**TYPE III**

**Predominant Cement Produced:** **TYPE I/II**

**Characteristics of Most Common ASTM C150 Cement:**

**92 % Clinker** **6 % Gypsum** **2.5 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**BLAST FURNACE SLAG**
**CLAY**
**LIMESTONE**
**MILL SCALE**
**SAND**

**MARTIN MARIETTA MATERIALS, INC.** **Hunter Cement Plant**

**7781 FM 1102**
**New Braunfels, TX 78132**
**(512) 396-4244**

**Gray Cement**

**Kiln Data - Number of Kilns: 2**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1979 | Yes | G ( CA ) [ C,E ] | Dry-C | 1740 | 540 |
| 2013 | Yes | G ( CKA ) [ C,E ] | Dry-C | 3356 | 1102 |
| | | | | 5096 | 1642 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1980 | 44 | 360 | No |
| 1980 | 47 | 385 | No |
| 2013 | 181 | 1423 | No |
| | 272 | 2168 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I TYPE II
* Type S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:** 92 % Clinker 5.9 % Gypsum 2 % Limestone % Inorganic Processing Addition % Other

**Primary Source of Raw Materials:**

BLAST FURNACE SLAG
BOTTOM ASH
CLAY
COPPER SLAG
IRON ORE
LIMESTONE
SAND

**MITSUBISHI CEMENT CORPORATION** **Cushenbury Plant**

**5808 State Hwy 18**
**Lucerne Valley, CA 92356**
**(760) 248-7373**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1982 | Yes | C ( A ) [ CD ] | Dry-C | 4581 | 1544 |
| | | | | 4581 | 1544 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1957 | 25 | 200 | No |
| 1957 | 25 | 200 | No |
| 1963 | 69 | 544 | No |
| 1982 | 91 | 717 | No |
| | 210 | 1661 | |

**Types of Cement Produced:**

BLENDED TYPE IL
TYPE HE
TYPE II
TYPE III
TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:**

92 % Clinker
4.5 % Gypsum
3.7 % Limestone
% Inorganic Processing Addition
0.04 % Other

**Primary Source of Raw Materials:**

BAUXITE
BLAST FURNACE SLAG
CLAY
IRON ORE
LIMESTONE

## NATIONAL CEMENT CO. OF ALABAMA

80 National Cement Drive
Ragland, AL 35131
(205) 472-2191

Gray Cement

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1976 | Yes | G ( CA ) [ A,C,D ] | Dry-C | 2812 | 953 |
| | | | | 2812 | 953 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1964 | 73 | 507 | No |
| 1964 | 50 | 400 | No |
| 2006 | 136 | 854 | No |
| | 259 | 1761 | |

**Types of Cement Produced:**

COLORED PORTLAND
TYPE I
* Type S
* Type N

MASONRY CEMENTS*
TYPE II

MASONRY CEMENTS*
TYPE III

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

92 % Clinker
5.4 % Gypsum
2 % Limestone
0.2 % Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

BOTTOM ASH
CLAY
LIMESTONE
MILL SCALE
SHALE

## NATIONAL CEMENT CO. OF CALIFORNIA

**5 miles east of I-5 off Hwy 138**
**Lebec, CA 93243**
**(661) 248-6733**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1999 | Yes | GKA [ C ] | Dry-C | 3084 | 1033 |
| | | | | 3084 | 1033 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1967 | 73 | 593 | No |
| 1974 | 27 | 222 | No |
| 2001 | 100 | 807 | No |
| | 200 | 1622 | |

**Types of Cement Produced:** BLENDED TYPE IL, TYPE II, TYPE V

**Predominant Cement Produced:** TYPE II/V

**Characteristics of Most Common ASTM C150 Cement:** 92 % Clinker, 5 % Gypsum, 3 % Limestone, % Inorganic Processing Addition, % Other

**Primary Source of Raw Materials:**

ALUMINUM
CLAY
IRON
LIMESTONE
SHALE

**SALT RIVER MATERIALS GROUP**

**601 N. Cement Plant Road**
**Clarkdale, AZ 86324**
**(928) 634-2261**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2002 | Yes | C ( G ) | Dry-C | 2721 | 912 |
| | | | | 2721 | 912 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1959 | 27 | 218 | No |
| 1959 | 27 | 218 | No |
| 1972 | 27 | 218 | No |
| 2002 | 118 | 953 | No |
| | 199 | 1607 | |

**Types of Cement Produced:**

| | | |
|---|---|---|
| BLENDED TYPE IP | MORTAR CEMENT* | PLASTIC CEMENT* |
| TYPE I | TYPE II | TYPE III |
| TYPE V | | |
| * Type S | | |
| * Type S | | |

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

| | | |
|---|---|---|
| 95 % Clinker | 5 % Gypsum | % Limestone |
| % Inorganic Processing Addition | | % Other |

**Primary Source of Raw Materials:**

BAUXITE
BOTTOM ASH
CEMENT ROCK AND MARL
IGNEOUS ROCK
LIMESTONE
MILL SCALE

**ST. MARYS CEMENT, INC. (U.S.)/VCNA**

**16000 Bells Bay Road**
**Charlevoix, MI 49720**
**(231) 237-1343**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2018 | Yes | K ( A ) [ D ] | Dry-C | 5443 | 1736 |
| | | | | 5443 | 1736 |

**Mill Data - Number of Mills: 4**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1967 | 59 | 413 | No |
| 1967 | 59 | 413 | No |
| 1967 | 47 | 331 | No |
| 2018 | 104 | 731 | No |
| | 269 | 1888 | |

**Types of Cement Produced:**

**BLENDED TYPE IL** **MASONRY CEMENTS*** **TYPE I**
**TYPE IA** **TYPE II** **TYPE III**
*** Type N/S**

**Predominant Cement Produced:** **TYPE I**

**Characteristics of Most Common ASTM C150 Cement:**

**95 % Clinker** **2.5 % Gypsum** **2 % Limestone**
**0.2 % Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**GYPSUM AND ANHYDRITE**
**LIMESTONE**
**SAND**
**SHALE**

**ST. MARYS CEMENT, INC. (U.S.)/VCNA**

**9333 Dearborn Street**
**Detroit, MI 48209**
**(231) 675-6113**

**Gray Cement**

**Grinding Only**

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1970 | 38 | 234 | No |
| 1970 | 54 | 286 | No |
| 1970 | 104 | 548 | No |
| | 196 | 1068 | |

**Types of Cement Produced:** MASONRY CEMENTS* TYPE I TYPE II TYPE III
* Type N/S

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

| | | |
|---|---|---|
| 93 % Clinker | 5.3 % Gypsum | 2.1 % Limestone |
| % Inorganic Processing Addition | | % Other |

**Primary Source of Raw Materials:**

**BLAST FURNACE SLAG**

**TEXAS LEHIGH CEMENT COMPANY**

**701 Cement Plant Road**
**Buda, TX 78610**
**(512) 295-6111**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1983 | Yes | CK ( G ) | Dry-C | 3356 | 1168 |
| | | | | 3356 | 1168 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1983 | 76 | 590 | No |
| 1997 | 87 | 680 | No |
| | 163 | 1270 | |

**Types of Cement Produced:**

MASONRY CEMENTS*
TYPE I
TYPE II
TYPE III
TYPE V
* Type S

**Predominant Cement Produced:** TYPE I

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
1.0 % Gypsum
% Limestone
4.6 % Inorganic Processing Addition
3.7 % Other

**Primary Source of Raw Materials:**

CEMENT ROCK AND MARL
FLY ASH
LIMESTONE
SAND

## THE MONARCH CEMENT COMPANY

449 1200th Street
Humboldt, KS 66748
(620) 473-2222

Gray Cement

Kiln Data - Number of Kilns: 2

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2001 | Yes | CK ( G ) | Dry-C | 1632 | 537 |
| 2005 | Yes | CK ( G ) | Dry-C | 1632 | 537 |
| | | | | 3264 | 1074 |

Mill Data - Number of Mills: 5

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1957 | 27 | 215 | No |
| 1957 | 27 | 215 | No |
| 1957 | 18 | 145 | No |
| 1957 | 18 | 145 | No |
| 2001 | 82 | 646 | No |
| | 172 | 1366 | |

Types of Cement Produced:

MASONRY CEMENTS*
TYPE II
* Type S
* Type N

MASONRY CEMENTS*
TYPE III

TYPE I
TYPE V

Predominant Cement Produced: TYPE I/II

Characteristics of Most Common ASTM C150 Cement:

95 % Clinker
3.4 % Gypsum
% Limestone
2.6 % Inorganic Processing Addition
% Other

Primary Source of Raw Materials:

LIMESTONE
SAND
SHALE

**TITAN AMERICA LLC** **Roanoke Cement Company**

**6071 Catawba Road**
**Troutville, VA 24175**
**(540) 765-3200**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 1996 | Yes | CG ( A ) [ CD ] | Dry-C | 3343 | 1140 |
| | | | | 3343 | 1140 |

**Mill Data - Number of Mills: 2**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1975 | 114 | 897 | No |
| 2001 | 75 | 587 | No |
| | 189 | 1484 | |

**Types of Cement Produced:**

BLENDED TYPE IL
MASONRY CEMENTS*
TYPE I
TYPE II
TYPE III
TYPE IIMH
* Type N/S

**Predominant Cement Produced:** TYPE I/II

**Characteristics of Most Common ASTM C150 Cement:**

91 % Clinker
4.2 % Gypsum
4.5 % Limestone
% Inorganic Processing Addition
% Other

**Primary Source of Raw Materials:**

ALUMINA STONE
BLAST FURNACE SLAG
CLAY
FLY ASH
LIMESTONE
SAND
SHALE
WASTE BY-PRODUCTS

**TITAN AMERICA LLC** **Titan Florida Cement Plant**

**11000 NW 121st Way**
**Medley, FL 33178**
**(305) 364-2200**

**Gray Cement**

**Kiln Data - Number of Kilns: 1**

| Year Began or Modernized | Operated in 2019 | Fuels | Process | Clinker Capacity Tons/Day | Clinker Capacity Tons/Yr (000) |
|---|---|---|---|---|---|
| 2004 | Yes | C ( OKA ) [ CD ] | Dry-C | 4989 | 1701 |
| | | | | 4989 | 1701 |

**Mill Data - Number of Mills: 3**

| Year Began | Mill Grinding Capacity Tons/Hour | Mill Grinding Capacity Tons/Yr (000) | Roller Press Used |
|---|---|---|---|
| 1972 | 73 | 569 | No |
| 1982 | 108 | 846 | No |
| 2005 | 95 | 746 | No |
| | 276 | 2161 | |

**Types of Cement Produced:**

**BLENDED TYPE IL** **MASONRY CEMENTS*** **TYPE GU (10)**
**TYPE I** **TYPE II** **TYPE III**
**TYPE V**
*** Type S/M**

**Predominant Cement Produced:** **BLENDED TYPE IL**

**Characteristics of Most Common ASTM C150 Cement:**

**91 % Clinker** **5.1 % Gypsum** **3.8 % Limestone**
**% Inorganic Processing Addition** **% Other**

**Primary Source of Raw Materials:**

**BAUXITE**
**BOTTOM ASH**
**FLY ASH**
**FOUNDRY SAND**
**LIMESTONE**
**MILL SCALE**
**WASTE BY-PRODUCTS**

# Table 17

# U.S. Cement Plant Detail

# by State

**Primary Fuel Codes:** **C - Coal O - Oil G - Gas K - Coke A - Alternate**

**Alternate fuel codes are shown in parenthesis ( ) following the primary fuel code(s).**

**Alternative Fuel Codes (AF):** **A - Oil B - Solvents C - Tire Derived D - Other Solid E - Other**

**Process Codes:** **X - Preheater C - Precalciner**

**Inactive kilns are identified by [I] following the kiln year.**

**There are no cement-producing plants in the following states:**

| | | |
|---|---|---|
| Alaska | Connecticut | Delaware |
| District of Columbia | Hawaii | Idaho |
| Louisiana | Massachusetts | Minnesota |
| Mississippi | New Hampshire | New Jersey |
| North Carolina | North Dakota | Rhode Island |
| Vermont | Wisconsin | |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **ALABAMA** | | | | | | | | |
| **Argos USA Corporation** | | | | | | | | |
| Roberta Plant | | | | | | | | |
| Calera, AL | 1 | 1,353 | 2001 | C(GKA) | C,D,E | Dry-C | 4,554 | 1,248 |
| **CEMEX USA** | | | | | | | | |
| Demopolis Plant | | | | | | | | |
| Demopolis, AL | 1 | 934 | 1977 | CK(GA) | CDE | Dry-X | 2,521 | 847 |
| **LafargeHolcim** | | | | | | | | |
| Theodore Plant | | | | | | | | |
| Theodore, AL | 1 | 1,922 | 1981 | CK(A) | CD | Dry-C | 4,607 | 1,505 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Leeds Plant | | | | | | | | |
| Leeds, AL | 1 | 827 | 1976 | G(C) | | Dry-X | 2,222 | 716 |
| **National Cement Co. Of Alabama** | | | | | | | | |
| Ragland Plant | | | | | | | | |
| Ragland, AL | 1 | 1,761 | 1976 | G(CA) | A,C,D | Dry-C | 2,812 | 953 |
| **State Totals:** | **5** | **6,797** | | | | | **16,716** | **5,269** |
| **ARIZONA** | | | | | | | | |
| **CalPortland Company** | | | | | | | | |
| Rillito Plant | | | | | | | | |
| Rillito, AZ | 1 | 1,784 | 1985 | CGK(O) | | Dry-C | 3,084 | 969 |
| **Drake Cement** | | | | | | | | |
| Paulden Plant | | | | | | | | |
| Paulden, AZ | 1 | 577 | 2010 | C(K) | A | Dry-C | 1,814 | 566 |
| **Salt River Materials Group** | | | | | | | | |
| Clarkdale Plant | | | | | | | | |
| Clarkdale, AZ | 1 | 1,607 | 2002 | C(G) | | Dry-C | 2,721 | 912 |
| **State Totals:** | **3** | **3,968** | | | | | **7,619** | **2,447** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **ARKANSAS** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Foreman Plant | | | | | | | | |
| Foreman, AR | 1 | 1,703 | 2010 | CG(A) | BD | Dry-C | 4,218 | 1,392 |
| **State Totals:** | **1** | **1,703** | | | | | **4,218** | **1,392** |
| **CALIFORNIA** | | | | | | | | |
| **CalPortland Company** | | | | | | | | |
| Mojave Plant | | | | | | | | |
| Mojave, CA | 1 | 2,285 | 1981 | CGK | | Dry-C | 4,131 | 1,384 |
| Oro Grande Plant | | | | | | | | |
| Oro Grande, CA | 1 | 2,178 | 2008 | CG | | Dry-C | 5,624 | 1,728 |
| **CEMEX USA** | | | | | | | | |
| Victorville Plant | | | | | | | | |
| Victorville, CA | 2 | 3,146 | 1987 | CK(GA) | CD | Dry-C | 3,103 | 1,042 |
| | | | 2001 | CK(GA) | CDE | Dry-C | 4,941 | 1,659 |
| | | | | | | | 8,044 | 2,701 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Permanente Plant | | | | | | | | |
| Cupertino, CA | 1 | 1,288 | 1979 | K(G) | D | Dry-C | 4,119 | 1,351 |
| Redding Plant | | | | | | | | |
| Redding, CA | 1 | 573 | 1980 | C(GKA) | C | Dry-X | 1,496 | 509 |
| Tehachapi Plant | | | | | | | | |
| Tehachapi, CA | 1 | 998 | 1992 | CGK(A) | E | Dry-C | 3,030 | 970 |
| **Mitsubishi Cement Corporation** | | | | | | | | |
| Cushenbury Plant | | | | | | | | |
| Lucerne Valley, CA | 1 | 1,661 | 1982 | C(A) | CD | Dry-C | 4,581 | 1,544 |
| **National Cement Co. Of California** | | | | | | | | |
| Lebec Plant | | | | | | | | |
| Lebec, CA | 1 | 1,622 | | Grinding Only | | | 0 | 0 |
| | | | 1999 | GKA | C | Dry-C | 3,084 | 1,033 |
| **State Totals:** | **10** | **13,751** | | | | | **34,109** | **11,220** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **COLORADO** | | | | | | | | |
| **CEMEX USA** | | | | | | | | |
| Lyons Plant | | | | | | | | |
| Lyons, CO | 1 | 573 | 1969 | C(G) | | Dry-C | 1,439 | 483 |
| **GCC of America, Inc.** | | | | | | | | |
| Pueblo Plant | | | | | | | | |
| Pueblo, CO | 1 | 996 | 2008 | C(A) | C | Dry-C | 2,948 | 979 |
| **LafargeHolcim** | | | | | | | | |
| Portland Plant | | | | | | | | |
| Florence, CO | 1 | 2,420 | 2001 | G(A) | C | Dry-C | 4,975 | 1,625 |
| **State Totals:** | **3** | **3,989** | | | | | **9,362** | **3,087** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **FLORIDA** | | | | | | | | |
| **Argos USA Corporation** | | | | | | | | |
| Tampa Plant | | | | | | | | |
| Tampa, FL | 0 | 408 | | Grinding Only | | | 0 | 0 |
| Thompson S. Baker Plant | | | | | | | | |
| Newberry, FL | 2 | 1,986 | 1999 | CG(A) | C,D | Dry-C | 2,404 | 829 |
| | | | 2010 | CG(A) | C,D | Dry-C | 2,404 | 829 |
| | | | | | | | 4,808 | 1,658 |
| **Ash Grove Cement Company** | | | | | | | | |
| Branford, FL | 1 | 939 | 2003 | G(C) | AD | Dry-C | 2,290 | 756 |
| Sumterville Plant | | | | | | | | |
| Sumterville, FL | 1 | 946 | 2009 | CG(A) | C | Dry-C | 2,999 | 990 |
| **CEMEX USA** | | | | | | | | |
| Brooksville Plant | | | | | | | | |
| Brooksville, FL | 2 | 2,290 | 1987 | CK(A) | CDE | Dry-X | 1,807 | 607 |
| | | | 2008 | CK(O) | CDE | Dry-C | 2,812 | 944 |
| | | | | | | | 4,619 | 1,551 |
| Miami Plant | | | | | | | | |
| Miami, FL | 1 | 1,273 | 2000 | CK(A) | ACD | Dry-C | 2,948 | 990 |
| **Titan America LLC** | | | | | | | | |
| Pennsuco Plant | | | | | | | | |
| Medley, FL | 1 | 2,161 | 2004 | C(OKA) | CD | Dry-C | 4,989 | 1,701 |
| **State Totals:** | **8** | **10,003** | | | | | **22,653** | **7,646** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **GEORGIA** | | | | | | | | |
| **Argos USA Corporation** | | | | | | | | |
| Atlanta Plant | | | | | | | | |
| Atlanta, GA | 0 | 878 | | Grinding Only | | | 0 | 0 |
| **CEMEX USA** | | | | | | | | |
| Clinchfield Plant | | | | | | | | |
| Clinchfield, GA | 1 | 952 | 1999 | A(GA) | CDE | Dry-X | 2,254 | 757 |
| **State Totals:** | **2** | **1,830** | | | | | **2,254** | **757** |
| **ILLINOIS** | | | | | | | | |
| **Eagle Materials** | | | | | | | | |
| La Salle Plant | | | | | | | | |
| La Salle, IL | 1 | 928 | 2006 | K(C) | | Dry-C | 2,721 | 893 |
| **LafargeHolcim** | | | | | | | | |
| Joppa Plant | | | | | | | | |
| Grand Chain, IL | 2 | 1,451 | 1963 | K(C) | | Dry | 1,160 | 375 |
| | | | 1974 | G | | Dry | 1,853 | 599 |
| | | | | | | | 3,013 | 974 |
| **State Totals:** | **3** | **2,379** | | | | | **5,734** | **1,867** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **INDIANA** | | | | | | | | |
| **Buzzi Unicem USA, Inc.** | | | | | | | | |
| Greencastle | | | | | | | | |
| Greencastle, IN | 1 | 1,361 | 2000 | CA(O) | ABD | Dry-C | 3,764 | 1,231 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Logansport Plant | | | | | | | | |
| Logansport, IN | 2 | 418 | 1962 | A(O) | B | Wet | 653 | 193 |
| | | | 1965 | A(O) | B | Wet | 653 | 193 |
| | | | | | | | 1,306 | 386 |
| Mitchell Plant | | | | | | | | |
| Mitchell, IN | 3 | 631 | 1960 | C(G) | | Dry-X | 687 | 230 |
| | | | 1960 | C(G) | | Dry-X | 687 | 230 |
| | | | 1976 | C(G) | | Dry-X | 751 | 252 |
| | | | | | | | 2,125 | 712 |
| Speed Plant | | | | | | | | |
| Speed, IN | 2 | 888 | 1973 | C(O) | | Dry | 649 | 208 |
| | | | 1977 | C(O) | | Dry-X | 1,939 | 621 |
| | | | | | | | 2,588 | 829 |
| **State Totals:** | **8** | **3,298** | | | | | **9,783** | **3,158** |
| **IOWA** | | | | | | | | |
| **Continental Cement Company** | | | | | | | | |
| Buffalo Plant | | | | | | | | |
| Buffalo, IA | 1 | 989 | 1981 | K(CA) | AD | Dry-C | 2,860 | 951 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Lehigh-Mason City | | | | | | | | |
| Mason City, IA | 1 | 952 | 1978 | G(A) | D | Dry-C | 2,355 | 730 |
| **State Totals:** | **2** | **1,941** | | | | | **5,215** | **1,681** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **KANSAS** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Chanute Plant | | | | | | | | |
| Chanute, KS | 1 | 1,300 | 2001 | C(KA) | BD | Dry-C | 4,218 | 1,392 |
| **The Monarch Cement Company** | | | | | | | | |
| Humbolt Plant | | | | | | | | |
| Humboldt, KS | 2 | 1,366 | 2005 | CK(G) | | Dry-C | 1,632 | 537 |
| | | | 2001 | CK(G) | | Dry-C | 1,632 | 537 |
| | | | | | | | 3,264 | 1,074 |
| **State Totals:** | **3** | **2,666** | | | | | **7,482** | **2,466** |
| **KENTUCKY** | | | | | | | | |
| **Eagle Materials** | | | | | | | | |
| Kosmosdale Plant | | | | | | | | |
| Louisville, KY | 1 | 1,581 | 2000 | C(OGKA) | CDE | Dry-C | 4,263 | 1,432 |
| **State Totals:** | **1** | **1,581** | | | | | **4,263** | **1,432** |
| **MAINE** | | | | | | | | |
| **Giant Cement Holding, Inc.** | | | | | | | | |
| Thomaston Plant | | | | | | | | |
| Thomaston, ME | 1 | 656 | 2004 | K(A) | C | Dry-C | 1,814 | 572 |
| **State Totals:** | **1** | **656** | | | | | **1,814** | **572** |
| **MARYLAND** | | | | | | | | |
| **LafargeHolcim** | | | | | | | | |
| Hagerstown Plant | | | | | | | | |
| Hagerstown, MD | 1 | 734 | 2016 | C(A) | C | Dry-C | 2,279 | 745 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Union Bridge | | | | | | | | |
| Union Bridge, MD | 1 | 3,075 | 2001 | C(O) | D | Dry-C | 6,191 | 2,087 |
| **State Totals:** | **2** | **3,809** | | | | | **8,470** | **2,832** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **MICHIGAN** | | | | | | | | |
| **LafargeHolcim** | | | | | | | | |
| Alpena Plant | | | | | | | | |
| Alpena, MI | 5 | 2,972 | 1962 | K(C) | | Dry | 1,028 | 336 |
| | | | 1965 | K(C) | | Dry | 1,018 | 332 |
| | | | 1965 | K(C) | | Dry | 1,029 | 336 |
| | | | 1975 | K(C) | | Dry | 1,837 | 600 |
| | | | 1975 | K(C) | | Dry | 1,837 | 600 |
| | | | | | | | 6,749 | 2,204 |
| **St. Marys Cement, Inc. (U.S.)/VCNA** | | | | | | | | |
| Charlevoix Plant | | | | | | | | |
| Charlevoix, MI | 1 | 1,888 | 2018 | K(A) | D | Dry-C | 5,443 | 1,736 |
| Detroit Plant | | | | | | | | |
| Detroit, MI | 0 | 1,068 | | Grinding Only | | | 0 | 0 |
| **State Totals:** | **6** | **5,928** | | | | | **12,192** | **3,940** |
| **MISSOURI** | | | | | | | | |
| **Buzzi Unicem USA, Inc.** | | | | | | | | |
| Cape Girardeau | | | | | | | | |
| Cape Girardeau, MO | 1 | 1,400 | 1981 | A(CO) | ABD | Dry-C | 3,842 | 1,272 |
| Festus Plant | | | | | | | | |
| Festus, MO | 1 | 2,451 | 2009 | GK(G) | | Dry-C | 7,154 | 2,268 |
| **Continental Cement Company** | | | | | | | | |
| Hannibal Plant | | | | | | | | |
| Hannibal, MO | 1 | 1,045 | 2008 | C(GA) | BDE | Dry-C | 2,971 | 927 |
| **Eagle Materials** | | | | | | | | |
| Sugar Creek Plant | | | | | | | | |
| Sugar Creek, MO | 1 | 1,192 | 2002 | KA(CGA) | CDE | Dry-C | 2,781 | 943 |
| **LafargeHolcim** | | | | | | | | |
| Bloomsdale Plant | | | | | | | | |
| Bloomsdale, MO | 1 | 4,916 | 2009 | CK(A) | A | Dry-C | 12,582 | 4,109 |
| **State Totals:** | **5** | **11,004** | | | | | **29,330** | **9,519** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **MONTANA** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Montana City Plant | | | | | | | | |
| Montana City, MT | 1 | 290 | 1963 | C(K) | | Wet | 861 | 284 |
| **GCC of America, Inc.** | | | | | | | | |
| Trident Plant | | | | | | | | |
| Three Forks, MT | 1 | 376 | 1974 | G(K) | | Wet | 986 | 286 |
| **State Totals:** | **2** | **666** | | | | | **1,847** | **570** |
| **NEBRASKA** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Louisville Plant | | | | | | | | |
| Louisville, NE | 2 | 1,206 | 1973 | G | | Dry-X | 907 | 299 |
| | | | 1982 | G(CK) | | Dry-C | 1,678 | 554 |
| | | | | | | | 2,585 | 853 |
| **State Totals:** | **2** | **1,206** | | | | | **2,585** | **853** |
| **NEVADA** | | | | | | | | |
| **Eagle Materials** | | | | | | | | |
| Nevada Cement | | | | | | | | |
| Fernley, NV | 2 | 539 | 1964 | C(KA) | A | Dry | 664 | 226 |
| | | | 1986 | C(KA) | A | Dry-X | 664 | 226 |
| | | | | | | | 1,328 | 452 |
| **State Totals:** | **2** | **539** | | | | | **1,328** | **452** |
| **NEW MEXICO** | | | | | | | | |
| **GCC of America, Inc.** | | | | | | | | |
| Tijeras Plant | | | | | | | | |
| Tijeras, NM | 2 | 375 | 1978 | C(G) | | Dry-X | 599 | 195 |
| | | | 1978 | C(G) | | Dry-X | 599 | 195 |
| | | | | | | | 1,198 | 390 |
| **State Totals:** | **2** | **375** | | | | | **1,198** | **390** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **NEW YORK** | | | | | | | | |
| **LafargeHolcim** | | | | | | | | |
| Ravena Plant | | | | | | | | |
| Ravena, NY | 1 | 2,188 | 2017 | C(O) | | Dry-C | 4,750 | 1,551 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Cementon | | | | | | | | |
| Cementon, NY | 0 | | | Grinding Only | | | 0 | 0 |
| Glens Falls Plant | | | | | | | | |
| Glens Falls, NY | 1 | 502 | 1973 | G(CA) | E | Dry-X | 1,723 | 586 |
| **St. Marys Cement, Inc. (U.S.)/VCNA** | | | | | | | | |
| Catskill Plant | | | | | | | | |
| Catskill, NY | 0 | | | Grinding Only | | | 0 | 0 |
| **State Totals:** | **2** | **2,690** | | | | | **6,473** | **2,137** |
| **OHIO** | | | | | | | | |
| **Eagle Materials** | | | | | | | | |
| Fairborn Plant | | | | | | | | |
| Xenia, OH | 1 | 858 | 1974 | C(GA) | D | Dry-X | 1,973 | 663 |
| **LafargeHolcim** | | | | | | | | |
| Paulding Plant | | | | | | | | |
| Paulding, OH | 2 | 595 | 1955 | A(G) | B | Wet | 636 | 208 |
| | | | 1956 | A(G) | B | Wet | 638 | 208 |
| | | | | | | | 1,274 | 416 |
| **State Totals:** | **3** | **1,453** | | | | | **3,247** | **1,079** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **OKLAHOMA** | | | | | | | | |
| **Buzzi Unicem USA, Inc.** | | | | | | | | |
| Pryor Plant | | | | | | | | |
| Pryor, OK | 3 | 750 | 1960 | CGK(A) | C | Dry | 680 | 196 |
| | | | 1962 | CGK(A) | C | Dry | 680 | 196 |
| | | | 1980 | CGK(A) | C | Dry | 816 | 285 |
| | | | | | | | 2,176 | 677 |
| **Eagle Materials** | | | | | | | | |
| Tulsa Plant | | | | | | | | |
| Tulsa, OK | 2 | 892 | 1963 | C(GKA) | CD | Dry | 918 | 299 |
| | | | 1961 | C(GKA) | CD | Dry | 861 | 281 |
| | | | | | | | 1,779 | 580 |
| **LafargeHolcim** | | | | | | | | |
| Ada Plant | | | | | | | | |
| Ada, OK | 1 | 618 | 2017 | G(A) | C | Dry-C | 1,897 | 620 |
| **State Totals:** | **6** | **2,260** | | | | | **5,852** | **1,877** |
| **OREGON** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Durkee Plant | | | | | | | | |
| Durkee, OR | 1 | 1,077 | 1998 | CG(A) | AC | Dry-C | 2,948 | 973 |
| **State Totals:** | **1** | **1,077** | | | | | **2,948** | **973** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **PENNSYLVANIA** | | | | | | | | |
| **Armstrong Cement & Sup. Corp.** | | | | | | | | |
| Cabot Plant | | | | | | | | |
| Cabot, PA | 2 | 299 | 1928 | C | | Wet | 408 | 132 |
| | | | 1928 | C | | Wet | 408 | 132 |
| | | | | | | | 816 | 264 |
| **Buzzi Unicem USA, Inc.** | | | | | | | | |
| Stockertown Plant | | | | | | | | |
| Stockertown, PA | 2 | 1,001 | 1975 | OK(A) | CD | Dry-X | 998 | 315 |
| | | | 1993 | OK(A) | CD | Dry-C | 1,814 | 579 |
| | | | | | | | 2,812 | 894 |
| **Giant Cement Holding, Inc.** | | | | | | | | |
| Bath Plant | | | | | | | | |
| Bath, PA | 1 | 1,228 | 2009 | C(A) | B | Dry-C | 2,993 | 949 |
| **LafargeHolcim** | | | | | | | | |
| Whitehall Plant | | | | | | | | |
| Whitehall, PA | 2 | 883 | 1965 | C(A) | CD | Dry-X | 1,276 | 417 |
| | | | 1975 | C(A) | CD | Dry-X | 900 | 294 |
| | | | | | | | 2,176 | 711 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Evansville Plant | | | | | | | | |
| Fleetwood, PA | 2 | 1,113 | 1965 | G(A) | CD | Dry-X | 1,568 | 502 |
| | | | 1965 | G(A) | CD | Dry-X | 1,568 | 502 |
| | | | | | | | 3,136 | 1,004 |
| Nazareth Plant I | | | | | | | | |
| Nazareth, PA | 1 | 1,333 | 1978 | G(KA) | D | Dry-X | 3,799 | 1,216 |
| **State Totals:** | **10** | **5,857** | | | | | **15,732** | **5,038** |

## U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **SOUTH CAROLINA** | | | | | | | | |
| **Argos USA Corporation** | | | | | | | | |
| Harleyville Plant | | | | | | | | |
| Harleyville, SC | 1 | 1,694 | 1998 | CG(A) | CE | Dry-C | 2,721 | 776 |
| **Giant Cement Holding, Inc.** | | | | | | | | |
| Harleyville Plant | | | | | | | | |
| Harleyville, SC | 1 | 841 | 2005 | C(GA) | ABD | Dry-C | 2,468 | 852 |
| **LafargeHolcim** | | | | | | | | |
| Holly Hill Plant | | | | | | | | |
| Holly Hill, SC | 1 | 2,667 | 2003 | A(C) | B | Dry-C | 5,699 | 1,861 |
| **State Totals:** | **3** | **5,202** | | | | | **10,888** | **3,489** |
| **SOUTH DAKOTA** | | | | | | | | |
| **GCC of America, Inc.** | | | | | | | | |
| Dacotah Cement | | | | | | | | |
| Rapid City, SD | 1 | 1,283 | 2018 | C(G) | | Dry-C | 3,265 | 1,084 |
| **State Totals:** | **1** | **1,283** | | | | | **3,265** | **1,084** |
| **TENNESSEE** | | | | | | | | |
| **Buzzi Unicem USA, Inc.** | | | | | | | | |
| Chattanooga Plant | | | | | | | | |
| Chattanooga, TN | 1 | 1,000 | 2001 | COK(A) | C | Dry-C | 2,548 | 854 |
| **CEMEX USA** | | | | | | | | |
| Knoxville Plant | | | | | | | | |
| Knoxville, TN | 1 | 716 | 1978 | C(GA) | E | Dry-C | 2,041 | 685 |
| **State Totals:** | **2** | **1,716** | | | | | **4,589** | **1,539** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **TEXAS** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Midlothian Plant | | | | | | | | |
| Midlothian, TX | 1 | 930 | 2014 | G(A) | C | Dry-C | 2,358 | 775 |
| **Buzzi Unicem USA, Inc.** | | | | | | | | |
| 1604 Plant | | | | | | | | |
| San Antonio, TX | 1 | 1,088 | 1981 | K(G) | | Dry-C | 2,630 | 907 |
| Maryneal Plant | | | | | | | | |
| Maryneal, TX | 1 | 1,097 | 2016 | G(K) | | Dry-C | 3,199 | 998 |
| **Capitol Aggregates, Ltd.** | | | | | | | | |
| Capitol Cement Division | | | | | | | | |
| San Antonio, TX | 1 | 748 | 1983 | G(CA) | D | Dry-C | 1,995 | 701 |
| **CEMEX USA** | | | | | | | | |
| Balcones Plant | | | | | | | | |
| New Braunfels, TX | 2 | 2,711 | 1978 | K(GA) | CE | Dry-X | 2,834 | 952 |
| | | | 2008 | K(GA) | CDE | Dry-C | 3,265 | 1,097 |
| | | | | | | | 6,099 | 2,049 |
| **GCC of America, Inc.** | | | | | | | | |
| Odessa Plant | | | | | | | | |
| Odessa, TX | 2 | 562 | 1958 | G | | Dry | 680 | 222 |
| | | | 1985 | G | | Dry-X | 771 | 253 |
| | | | | | | | 1,451 | 475 |
| **LafargeHolcim** | | | | | | | | |
| Holnam Texas L.P. | | | | | | | | |
| Midlothian, TX | 2 | 2,590 | 1987 | G(A) | C | Dry-C | 3,277 | 1,070 |
| | | | 2000 | G(KA) | CD | Dry-C | 3,229 | 1,055 |
| | | | | | | | 6,506 | 2,125 |
| **Martin Marietta Materials, Inc.** | | | | | | | | |
| Hunter Cement Plant | | | | | | | | |
| New Braunfels, TX | 2 | 2,168 | 1979 | G(CA) | C,E | Dry-C | 1,740 | 540 |
| | | | 2013 | G(CKA) | C,E | Dry-C | 3,356 | 1,102 |
| | | | | | | | 5,096 | 1,642 |
| Midlothian Plant | | | | | | | | |
| Midlothian, TX | 1 | 2,106 | 2000 | CG(A) | C | Dry-C | 6,803 | 2,234 |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **Texas Lehigh Cement Company** | | | | | | | | |
| Buda Plant | | | | | | | | |
| Buda, TX | 1 | 1,270 | 1983 | CK(G) | | Dry-C | 3,356 | 1,168 |
| **State Totals:** | **14** | **15,270** | | | | | **39,493** | **13,074** |
| **UTAH** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Leamington Plant | | | | | | | | |
| Nephi, UT | 1 | 871 | 1982 | C(G) | C | Dry-C | 2,404 | 834 |
| **LafargeHolcim** | | | | | | | | |
| Devil's Slide Plant | | | | | | | | |
| Morgan, UT | 1 | 1,124 | 1997 | C(A) | CD | Dry-C | 2,185 | 714 |
| **State Totals:** | **2** | **1,995** | | | | | **4,589** | **1,548** |
| **VIRGINIA** | | | | | | | | |
| **Titan America LLC** | | | | | | | | |
| Roanoke Plant | | | | | | | | |
| Troutville, VA | 1 | 1,484 | 1996 | CG(A) | CD | Dry-C | 3,343 | 1,140 |
| **State Totals:** | **1** | **1,484** | | | | | **3,343** | **1,140** |
| **WASHINGTON** | | | | | | | | |
| **Ash Grove Cement Company** | | | | | | | | |
| Seattle Plant | | | | | | | | |
| Seattle, WA | 1 | 858 | 1992 | G(A) | C | Dry-C | 2,177 | 718 |
| **Lehigh Hanson, Inc.** | | | | | | | | |
| Bellingham Plant | | | | | | | | |
| Bellingham, WA | 0 | 391 | | Grinding Only | | | 0 | 0 |
| **State Totals:** | **1** | **1,249** | | | | | **2,177** | **718** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(Gray Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **WEST VIRGINIA** | | | | | | | | |
| **Argos USA Corporation** | | | | | | | | |
| Martinsburg Plant | | | | | | | | |
| Martinsburg, WV | 1 | 1,868 | 2009 | C(A) | E | Dry-C | 5,100 | 1,556 |
| **State Totals:** | **1** | **1,868** | | | | | **5,100** | **1,556** |
| **WYOMING** | | | | | | | | |
| **Eagle Materials** | | | | | | | | |
| Laramie Plant | | | | | | | | |
| Laramie, WY | 2 | 690 | 1996 | C(G) | | Dry | 498 | 172 |
| | | | 1999 | C(G) | | Dry-X | 1,179 | 401 |
| | | | | | | | 1,677 | 573 |
| **State Totals:** | **2** | **690** | | | | | **1,677** | **573** |
| **Total USA (Gray):** | **120** | **122,183** | | | | | **297,545** | **97,375** |

**U.S. CEMENT PLANT INFORMATION SUMMARY BY STATE**

*(White Cement)*

| PLANT DATA | | | KILN DATA | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Clinker Capacity | |
| Plant Location | No. Kilns | Finish Grinding Capacity (000 Tons) | Year | Fuel | AF | Process | (Tons/ Day) | (000 Tons/ Year) |
| **PENNSYLVANIA** | | | | | | | | |
| **Lehigh White Cement** | | | | | | | | |
| York Plant | | | | | | | | |
| York, PA | 1 | 130 | 1969 | G | | Wet | 349 | 112 |
| **State Totals:** | **1** | **130** | | | | | **349** | **112** |
| **TEXAS** | | | | | | | | |
| **Lehigh White Cement** | | | | | | | | |
| Waco Plant | | | | | | | | |
| Waco, TX | 1 | 121 | 1969 | GK | | Wet | 299 | 101 |
| **State Totals:** | **1** | **121** | | | | | **299** | **101** |
| **Total USA (White):** | **2** | **251** | | | | | **648** | **213** |
| **GRAND TOTAL USA:** | **122** | **122,434** | | | | | **298,193** | **97,588** |

# CEMENT PLANT GLOSSARY

**ALTERNATIVE FUEL**: An industrial byproduct or waste material that contains sufficient energy to either supplement or partially replace the materials normally used to fuel kiln and calciner combustion.

**ANDHYDRITE**: Anhydrous calcium sulfate; gypsum from which the water of crystallization has been removed, usually by heating to about 325 degrees F. Depending upon the degree of heating, soluble or insoluble anhydrite can be produced.

**BAUXITE**: A reddish rock composed primarily of hydrous aluminum oxides together with silica and ferric oxide. It is a raw material for the manufacture of calcium aluminate cement, and can be used as an alumina source for portland cement clinker.

**BLAST FURNACE SLAG**: The nonmetallic product consisting essentially of silicates and aluminosilicates of calcium and magnesium that is developed in a molten condition simultaneously with iron in a blast furnace.

**BOTTOM ASH**: Residue mainly from the coal burning process that falls to the bottom of the boiler for removal and disposal.

**CEMENT**: Any chemical binder, such as glue, paste, etc., used to permanently join unique and separate materials into a uniform and monolithic matrix.

**CKD**: Cement kiln dust. Particulates of the raw materials, partially processed feed, and components of the final product entrained in the combustion gases that flow countercurrent to the feed and that are collected in the particulate matter control device. CKD may be returned as a component of raw feed in cement manufacturing if it is low in alkalies or it may be used in beneficial applications including as an agricultural amendment.

**CLAY**: An important raw material for cement manufacture that contains alkalies and aluminum silicates and their conversion products, feldspar and mica. Includes the kaolin and montmorillonite mineral groups.

**CLINKER**: The fused product of a kiln which is ground to make cement. (see portland Cement)

**CLINKER CAPACITY**: Daily capacity is the normal clinker capacity output a kiln can produce per day given a realistic work pattern. Annual capacity is daily capacity multiplied by 365 less normal downtime days. Normal downtime days are the number of days of downtime required for maintenance, repair or clean-up. Clinker capacity is reported in tons of clinker, not tons of cement.

**COAL**: A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**COKE**: In the case of petroleum coke, a residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. In the case of coke derived from coal, a solid carbonaceous residue derived from low-ash, low-sulfur bituminous coal from which the volatile constituents are driven off by baking in an oven at temperatures as high as 2,000 degrees F so that the fixed carbon and residual ash are fused together. Coke is used as a fuel and as a reducing agent in smelting iron ore in a blast furnace. Coke from coal is grey, hard, and porous.

**DRY PROCESS**: Process for cement manufacture in which the raw materials are ground, conveyed, blended and stored in a dry form.

**FINISH GRINDING**: The grinding of clinker into finished cement usually with the addition of 3 to 6 percent gypsum.

**FINISH GRINDING CAPACITY**: The normal cement output a finish mill can grind per year given a realistic work pattern.

**FINISH MILL**
( 1 ) Usually a tube or ball mill in which the final stages of clinker grinding are accomplished.
( 2 ) The entire finish grinding department.

**FLY ASH**: Residue of fused spherically shaped particles from burning of powdered coal. May be used (1) as an argillaceous-siliceous component of cement raw mix; and (2) as an addition to concrete depending upon carbon content and uniformity.

**GRINDING MILLS**: [Same definition as Finish Mill but add “Vertical Roller Mills” immediately prior to “Ball Mills”]

**GYPSUM**: Hydrated calcium sulfate added to portland cement clinker and interground in the range of about 3 to 6 percent to control the setting time of the cement paste.

**HYDRAULIC CEMENT**: Cement capable of setting and hardening under water.

**INORGANIC PROCESSING ADDITIONS**: A material that, when added during cement manufacturing process, facilitates the production process either by enhancing grindability, improving flow characteristics, reducing the tendency towards agglomeration, or otherwise improving a products characteristics. These materials are typically employed in the finish milling system as the final product is ground and stored.

**KILN**: Equipment in which a raw mix is dried, calcined, and burned into clinker at a temperature of about 1450 degrees C.

**LIMESTONE**: Calcium carbonate; a primary raw material of portland cement clinker manufacturing. Also used as an ingredient in portland cement and blended hydraulic cement.

**MAGNETITE**: Magnetic oxide of iron. An ore of iron and source of iron in cement raw mix.

**MARL**: A loose or soft calcareous raw material containing clay, sand, and sometimes broken marine shells.

**MILL SCALE**: High iron waste material obtained from rolling mills in steel plants and often used as a component of the raw mix when a Type II or Type V cement is manufactured.

**NATURAL GAS**: A combustible gas issuing from the earth’s crust through natural openings or bored wells. Consists essentially of methane with small amounts of ethane, propane, butane, hydrogen, oxide of carbon, nitrogen, helium, hydrogen sulfide, etc.

**OIL**: A mixture of hydrocarbons usually existing in the liquid state in natural underground pools or reservoirs, broadly defined as a class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. Note: Volumes of finished petroleum products include non hydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

**PORTLAND CEMENT**: A hydraulic cement produced by pulverizing clinker consisting of hydraulic silicates, usually containing one or more of the forms of calcium sulfate as an interground addition. Gray in color unless special raw materials are used. (see White Cement)

**PRECALCINER**: Utilizes preheated combustion air from the clinker cooler and/or kiln exit gases with separate burners to effect up to 95% calcination of the raw material. Also known as flash furnace, calciner, calcining furnace.

**PRECALCINER KILN SYSTEM**: A rotary kiln system which includes an external furnace in which cement raw meal is heated to calcination temperature. The system generally includes a multi-stage cyclonic preheater.

**PREHEATER**: Installation for heating raw meal or slurry ahead of their entry into rotary kiln proper to improve over-all fuel economy. Preheaters for raw meal can be of the following types: (1) Suspension Parallel Flow Cyclonic, (2) Suspension Counter Flow, (3) Fixed Bed, (4) Traveling Bed or Grate,(5) Fluidized Bed, and (6) Sprouted Bed. Slurry preheaters can be: (1) Heated Tumbling Beds, (2) Chains, or (3) Crosses.

**ROTARY KILN**: Cylindrical rotating kiln, inclined approximately 1/2 in. per foot toward its discharge end, for burning cement raw meal into clinker. Lined with refractory bricks and often equipped with internal heat exchangers. The kiln is divided into the following process zones: Drying Zone (for Wet Process), Preheating Zone, Calcining Zone, Burning Zone, and Cooling Zone. When the rotary kiln is used in conjunction with a preheater, and/or precalciner, the first three kiln zones are virtually eliminated.

**SHALE**: Rock formed by consolidation of clay, mud, or silt, high in alumina, silica, and iron oxide, but low in lime. Used as argillaceous raw material in portland cement clinker manufacturing.

**SOLVENTS**: Materials characterized by their ability to solubilize or mobilize other constituents. Example applications include degreasing, cleaning, fabric scouring, use as diluents, and use as an extractant.

**SYNTHETIC GYPSUM**: Calcium sulfate or calcium sulfite produced from the reaction of lime or limestone with gaseous sulfur in a flue gas desulfurization system designed to remove or reduce sulfur dioxide emissions at some coal-fired power plants. When properly processed, the calcium sulfate can be used at portland cement plants to replace the natural gypsum that must be added to the final product to control the setting of concrete.

**WET PROCESS**: The cement manufacturing method whereby grinding, blending, mixing and pumping cement raw materials is done with water. Wet process is chosen where raw materials are extremely wet and sticky, which would make drying before crushing and grinding difficult and costly.

**WHITE CEMENT**: Cement, conforming to portland cement specifications, made from low-iron raw materials (such as kaolin) and burned with special methods to reduce coloring effects of trace elements.

# U.S. HYDRAULIC CEMENT

## Portland Cement Types

| | |
|---|---|
| **I** | Normal |
| **IA** | Normal, Air-Entraining |
| **II** | Moderate Sulfate Resistance |
| **IIA** | Moderate Sulfate Resistance, Air-Entraining |
| **II(MH)** | Moderate Heat of Hydration and Moderate Sulfate Resistance |
| **II(MH)A** | Moderate Heat of Hydration and Moderate Sulfate Resistance, Air Entraining |
| **III** | High Early Strength |
| **IIIA** | High Early Strength, Air-Entraining |
| **IV** | Low Heat of Hydration |
| **V** | High Sulfate Resistance |

| | |
|---|---|
| **Blended - Type IP** | Portland-pozzolan cement (up to40% pozzolan (P)) |
| **Blended - Type IL** | Portland-Limestone Cement |
| **Blended - Type IS** | Portland blast-furnace slag cement (<70% or >70% slag (S)) |
| **Blended - Type IT** | Ternary blended cement (P>S or <P<S<70%) |
| **Hydraulic – Type GU** | General Use |
| **Hydraulic – Type HE** | High Early Strength |
| **Hydraulic – Type MS** | Moderate Sulfate Resistance |
| **Hydraulic – Type HS** | High Sulfate Resistance |
| **Hydraulic – Type MH** | Moderate Heat of Hydration |
| **Hydraulic – Type LH** | Low Heat of Hydration |
| **Colored Cement** | Portland cement (usually white) with pigment |
| **Expansive Cement** | Hydraulic cement that expands slightly during the early hardening period after |
| **Grouting Cement** | setting Hydraulic cement used in grouts which is capable of being pumped |
| **Oil Well Cement** | Slow-setting, high temperature, high pressure resistant cement for sealing oil wells |
| **Masonry Cement** | Hydraulic cement designed for use in mortar for masonry construction |
| **Mortar Cement** | Hydraulic cement designed for use in mortar for masonry construction |
| **Plastic Cement** | Hydraulic cement used in plaster or stucco (used primarily in the West/Southwest) |
| **White Cement** | Hydraulic cement that is white, primarily used for architectural/decorative concrete |

* Optional special properties may be specified for blended cements: MS – Moderate Sulfate Resistance, HS – High Sulfate Resistance, MH – Moderate Heat of Hydration, LH – Low Heat of Hydration

# U.S. Cement Plant Directory

| Company<br>Plant Contact | Address<br>Phone Number | City | State | Zip Code |
|---|---|---|---|---|
| Argos USA Corporation | 8039 Highway 25<br>(205) 668-2721 | Calera | AL | 35040 |
| Argos USA Corporation<br>Terry Bennett | 4000 NW County Road 235<br>(352) 472-4722 | Newberry | FL | 32669 |
| Argos USA Corporation<br>Terry Bennett | 2001 Maritime Blvd.<br>(813) 247-4831 | Tampa | FL | 33605 |
| Argos USA Corporation<br>Kyle Harrison | 2520 Paul Avenue, N.W.<br>(404) 794-1561 | Atlanta | GA | 30318 |
| Argos USA Corporation<br>Michael Saeger | 463 Judge St.<br>(843) 462-7651 | Harleyville | SC | 29448 |
| Argos USA Corporation<br>Radoslav Slavov | 1826 S. Queen Street<br>(304) 260-1827 | Martinsburg | WV | 25401 |
| Armstrong Cement & Sup. Corp. | 100 Clearfield Road<br>(724) 352-4471 | Cabot | PA | 16023-9521 |
| Ash Grove Cement Company<br>Ted Jennings | 4343 Highway 108 West<br>(870) 542-3000 | Foreman | AR | 71836 |
| Ash Grove Cement Company<br>Tom Messer | 5117 US Hwy 27<br>(386) 965-5000 | Branford | FL | 32008 |
| Ash Grove Cement Company<br>D.Cox | 4750 E County Road 470<br>(352) 569-5393 | Sumterville | FL | 33585 |
| Ash Grove Cement Company<br>Alan Finch | 1801 N. Santa Fe Street<br>(620) 433-3500 | Chanute | KS | 66720 |
| Ash Grove Cement Company<br>Chris Hines | 100 MT Hwy 518<br>(406) 444-8855 | Clancy | MT | 59634 |
| Ash Grove Cement Company<br>John Dale | 16215 NE-50<br>(402) 234-2415 | Louisville | NE | 68037-8221 |
| Ash Grove Cement Company<br>Terry Kerby | 33060 Shirttail Creek Road<br>(541) 877-2411 | Durkee | OR | 97095 |
| Ash Grove Cement Company<br>Marco A.Gonzalez | 900 Gifco Road<br>(972) 723-7235 | Midlothian | TX | 76065 |
| Ash Grove Cement Company<br>Paul Pederson | Highway 132 6 miles east of Leamington<br>(435) 857-1212 | Leamington | UT | 84638 |
| Ash Grove Cement Company<br>Laura MacAnany | 3801 E. Marginal Way S.<br>(206) 623-5596 | Seattle | WA | 98134 |
| Buzzi Unicem USA, Inc.<br>Tim Menke | 3301 S. County Road 150W<br>(765) 653-9766 | Greencastle | IN | 46135 |

| Company<br>Plant Contact | Address<br>Phone Number | City | State | Zip Code |
|---|---|---|---|---|
| Buzzi Unicem USA, Inc.<br>Craig Conklin | 2425 S. Sprigg Street<br>(573) 335-5591 | Cape Girardeau | MO | 63703 |
| Buzzi Unicem USA, Inc.<br>Brad Williams | 1000 River Cement Road<br>(636) 931-0900 | Festus | MO | 63028-0903 |
| Buzzi Unicem USA, Inc.<br>Terrence Byrne | 2430 South 437 CR<br>(918) 825-1937 | Pryor | OK | 74361 |
| Buzzi Unicem USA, Inc.<br>Bruce Keim | 501 Hercules Drive<br>(610) 759-6300 | Stockertown | PA | 18083 |
| Buzzi Unicem USA, Inc.<br>David Puzan | 1201 Suck Creek Road<br>(423) 866-0800 | Chattanooga | TN | 34705 |
| Buzzi Unicem USA, Inc.<br>Michael McHugh | Highway 608 (FM 608)<br>(325) 766-6068 | Maryneal | TX | 79535 |
| Buzzi Unicem USA, Inc.<br>Jorge A Espinosa | 6055 Green Mountain Rd.<br>(210) 208-1880 | San Antonio | TX | 78266 |
| CalPortland Company<br>Mark Simmons | 11115 N. Casa Grande Hwy<br>(520) 682-2221 | Rillito | AZ | 85654 |
| CalPortland Company<br>Warren Burchett | 9350 Oak Creek Road<br>(661) 824-2401 | Mojave | CA | 93501 |
| CalPortland Company<br>Richard Walters Jr. | 19409 National Trails Hwy<br>(760) 245-5321 | Oro Grande | CA | 92368 |
| Capitol Aggregates, Ltd. | 11551 Nacogdoches Road<br>(210) 871-7000 | San Antonio | TX | 78217 |
| CEMEX USA<br>Jesus Trejo | 1617 Arcola Road<br>(334) 289-4400 | Demopolis | AL | 36732 |
| CEMEX USA<br>Luis Lopez | 16888 North "E" Street<br>(760) 381-7600 | Victorville | CA | 92394 |
| CEMEX USA<br>Uwe Lubjuhn | 5134 UTE Highway<br>(303) 823-2101 | Lyons | CO | 80540 |
| CEMEX USA<br>Zahid Paz | 10311 Cement Plant Rd.<br>(352) 799-7881 | Brooksville | FL | 34601 |
| CEMEX USA<br>Jackelin Simmons | 1200 NW 137 Ave.<br>(305) 221-7845 | Miami | FL | 33182 |
| CEMEX USA<br>Clark Mitchell | 2720 Highway 341 South<br>(478) 987-2121 | Clinchfield | GA | 31013 |
| CEMEX USA<br>Steven Switzer | 6212 Cement Plant Road<br>(865) 541-5503 | Knoxville | TN | 37924 |
| CEMEX USA<br>Aaron Garcia | 2580 Wald Road<br>(210) 250-4100 | New Braunfels | TX | 78132 |

| Company<br>Plant Contact | Address<br>Phone Number | City | State | Zip Code |
|---|---|---|---|---|
| Continental Cement Company<br>Shawn Mages | 301 East Front Street<br>(563) 323-2751 | Buffalo | IA | 52728 |
| Continental Cement Company<br>Jose Gutierrez | 10107 Hwy 79<br>(573) 221-1740 | Hannibal | MO | 63401 |
| Drake Cement<br>Sriram Prasath | 5745 N. Scottsdale Rd<br>(928) 636-6004 | Scottsdale | AZ | 85250 |
| Eagle Materials | 1601 Rockwell Road<br>(815) 224-2112 | La Salle | IL | 61301-0442 |
| Eagle Materials | 15301 Dixie Highway<br>(502) 935-7331 | Louisville | KY | 40272 |
| Eagle Materials | 2200 Courtney Road<br>(816) 257-3600 | Sugar Creek | MO | 64050 |
| Eagle Materials | Interstate 80 At Exit 46<br>(775) 575-2281 | Fernley | NV | 89408 |
| Eagle Materials | 3250 Linebaugh Road<br>(937) 878-8651 | Xenia | OH | 45385 |
| Eagle Materials | 2609 N. 145th East Avenue<br>(724) 535-4311 | Tulsa | OK | 74116 |
| Eagle Materials | #5 Sand Creek Road<br>(307) 745-4879 | Laramie | WY | 82070 |
| GCC of America, Inc.<br>Alejandro Alarcon | 3372 Lime Road<br>(719) 647-6800 | Pueblo | CO | 81004 |
| GCC of America, Inc.<br>Roland Bachmann | 4070 Trident Road<br>(406) 285-4191 | Three Forks | MT | 59752 |
| GCC of America, Inc.<br>Ramses Maldonado | 11783 State Hwy 337 South<br>(505) 286-6011 | Tijeras | NM | 87059 |
| GCC of America, Inc.<br>Stephen J. Post | 501 N. Saint Onge Street<br>(605) 721-7100 | Rapid City | SD | 57702 |
| GCC of America, Inc.<br>Dennis Dusome | 16501 West Murphy Street<br>(432) 385-2800 | Odessa | TX | 79766 |
| Giant Cement Holding, Inc.<br>Martin Turecky | 107 New County Rd<br>(207) 593-0133 | Thomaston | ME | 04861 |
| Giant Cement Holding, Inc. | 6507 Nor Bath Blvd<br>(610) 837-1881 | Bath | PA | 18014-0058 |
| Giant Cement Holding, Inc. | 654 Judge Street<br>(803) 496-5033 | Harleyville | SC | 29448 |
| LafargeHolcim<br>Victor Cifuentes | 3051 Hamilton Blvd.<br>(251) 443-6200 | Theodore | AL | 36582 |

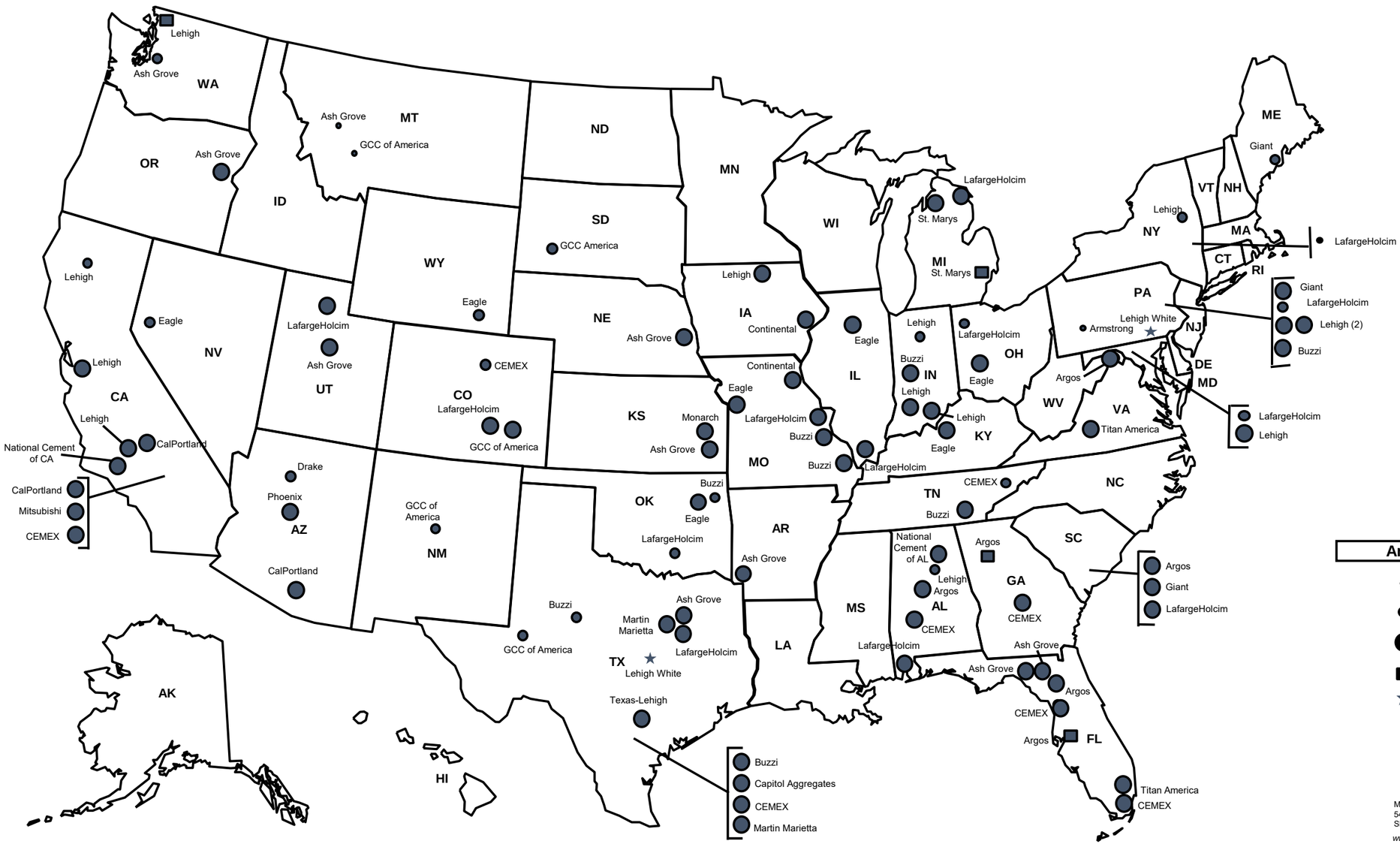
| Company<br>Plant Contact | Address<br>Phone Number | City | State | Zip Code |
|---|---|---|---|---|
| LafargeHolcim<br>John Goetz | 3500 Highway 120<br>(719) 784-6325 | Florence | CO | 81226 |
| LafargeHolcim<br>Michael Klenk | 2500 Portland Road<br>(618) 543-3921 | Grand Chain | IL | 62941 |
| LafargeHolcim<br>Alan Greer | 1260 Security Road<br>(301) 739-1150 | Hagerstown | MD | 21742 |
| LafargeHolcim<br>Jeff Scott | 1435 Ford Ave.<br>(989) 354-4171 | Alpena | MI | 49707 |
| LafargeHolcim<br>Fernando Valencia | 2942 US Hwy 61<br>(636) 524-8170 | Bloomsdale | MO | 63627 |
| LafargeHolcim | 1916 US Route 9W<br>(518) 756-5000 | Ravena | NY | 12143 |
| LafargeHolcim<br>Marcelo Cisternino | 11435 County Road 176<br>(419) 399-4861 | Paulding | OH | 45879-0160 |
| LafargeHolcim<br>Nancy Caperton | 14500 CR 1550<br>(580) 421-8929 | Ada | OK | 74820 |
| LafargeHolcim<br>Lorraine Faccenda | 5160 Main Street<br>(610) 262-7831 | Whitehall | PA | 18052 |
| LafargeHolcim<br>Claudio Butkus | 2173 Gardner Blvd.<br>(803) 496-5027 | Holly Hill | SC | 29059 |
| LafargeHolcim<br>Michel Moser | 1800 Dove Lane<br>(972) 923-5800 | Midlothian | TX | 76065 |
| LafargeHolcim<br>Paul Rogers | 6055 East Croydon Rd.<br>(801) 829-6821 | Morgan | UT | 84050 |
| Lehigh Hanson, Inc.<br>Tom DelVecchio | 8401 Second Ave.<br>(205) 699-2231 | Leeds | AL | 35094 |
| Lehigh Hanson, Inc.<br>Keith Krugh | 24001 Stevens Creek Blvd.<br>(408) 996-4231 | Cupertino | CA | 95014 |
| Lehigh Hanson, Inc.<br>Christine Bragge | 15390 Wonderland Blvd.<br>(530) 275-1581 | Redding | CA | 96003 |
| Lehigh Hanson, Inc.<br>Jean claude Royer | 13573 Tehachapi Blvd.<br>(661) 822-4445 | Tehachapi | CA | 93561 |
| Lehigh Hanson, Inc.<br>Brodie Pederson | 700 25th St., NW<br>(641) 421-3400 | Mason City | IA | 50401 |
| Lehigh Hanson, Inc.<br>Jerry Miller | 180 N Meridian Road<br>(812) 849-2191 | Mitchell | IN | 47446 |
| Lehigh Hanson, Inc.<br>Jeremy Black | 301 N. Highway 31<br>(812) 246-5472 | Speed | IN | 47172 |

| Company<br>Plant Contact | Address<br>Phone Number | City | State | Zip Code |
|---|---|---|---|---|
| Lehigh Hanson, Inc.<br>Walter Smith | 3084 West C.R. 225 South<br>(574) 739-6133 | Logansport | IN | 46947 |
| Lehigh Hanson, Inc.<br>Kent Martin | 675 Quaker Hill Road<br>(410) 386-1210 | Union Bridge | MD | 21791 |
| Lehigh Hanson, Inc.<br>David Dreyer | 313 Warren Street<br>(518) 792-1137 | Glens Falls | NY | 12801 |
| Lehigh Hanson, Inc.<br>Dave MacLauchlin | 537 Evansville Road<br>(610) 926-1024 | Fleetwood | PA | 19522 |
| Lehigh Hanson, Inc.<br>Krzysztof Burek | 3938 Easton Nazareth Hwy<br>(610) 759-2222 | Nazareth | PA | 18064 |
| Lehigh Hanson, Inc.<br>David Parsons | 741 Marine Drive<br>(360) 733-6720 | Bellingham | WA | 98225 |
| Lehigh White Cement<br>John Murphy | 200 Hokes Mill Rd.<br>(717) 843-0811 | York | PA | 17404 |
| Lehigh White Cement<br>John Kass | 100 South Wickson Road<br>(254) 776-7162 | Woodway | TX | 76712 |
| Martin Marietta Materials, Inc.<br>Julio Folhadella | 7781 FM 1102<br>(512) 396-4244 | New Braunfels | TX | 78132 |
| Martin Marietta Materials, Inc.<br>Ricardo Del Valle | 245 Ward Road<br>(972) 647-4985 | Midlothian | TX | 76065 |
| Mitsubishi Cement Corporation<br>Austin Marshall | 5808 State Hwy 18<br>(760) 248-7373 | Lucerne Valley | CA | 92356 |
| National Cement Co. Of Alabama<br>Pascal Lamontagne | 80 National Cement Drive<br>(205) 472-2191 | Ragland | AL | 35131 |
| National Cement Co. Of California<br>Pierre Bernard | 5 miles east of I-5 off Hwy 138<br>(661) 248-6733 | Lebec | CA | 93243 |
| Salt River Materials Group<br>Gregg St. Clair | 601 N. Cement Plant Road<br>(928) 634-2261 | Clarkdale | AZ | 86324 |
| St. Marys Cement, Inc. (U.S.)/VCN<br>Matt Simon | 16000 Bells Bay Road<br>(231) 237-1343 | Charlevoix | MI | 49720 |
| St. Marys Cement, Inc. (U.S.)/VCN<br>Michael Langan | 9333 Dearborn Street<br>(231) 675-6113 | Detroit | MI | 48209 |
| Texas Lehigh Cement Company<br>Natacha Lago | 701 Cement Plant Road<br>(512) 295-6111 | Buda | TX | 78610 |
| The Monarch Cement Company<br>Kenny Miller | 449 1200th Street<br>(620) 473-2222 | Humboldt | KS | 66748 |

| Company<br>Plant Contact | Address<br>Phone Number | City | State | Zip Code |
|---|---|---|---|---|
| Titan America LLC<br>Giulio Fantasia | 11000 NW 121st Way<br>(305) 364-2200 | Medley | FL | 33178 |
| Titan America LLC<br>Lance Clark | 6071 Catawba Road<br>(540) 765-3200 | Troutville | VA | 24175 |

# United States Portland Cement Plant Locations

Plant Data as of December 31, 2019




**Annual Cement Grinding Capacity**

- Under 400,000 Metric Tons
- 400,000 to 800,000 Metric Tons
- Over 800,000 Metric Tons
- Grinding Only
- White Cement Plants


Market Intelligence Group
5420 Old Orchard Road
Skokie, Illinois 60077-1083
*www.cement.org*