



U.S. Bureau of Mines



MINERAL INDUSTRY SURVEYS

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Cement Monthly

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CEMENT IN NOVEMBER 1988

Portland cement shipments in the United States and Puerto Rico were 7.47 million short tons in November, according to the Bureau of Mines, U.S. Department of the Interior. This was 4% above shipments in November 1987. Cumulative shipments through November 1988, 84.2 million tons, were slightly below cumulative shipments through November 1987.

The leading portland cement producing States (California, Texas, Pennsylvania, Michigan, and Missouri) shipped 37% of the November total. California, Florida, Texas, Illinois, and Pennsylvania, the leading consuming states, received 39% of total shipments.

Masonry cement shipments of 304,000 tons in November were 4% above shipments in November, 1987. The leading producing States or districts (Pennsylvania, Indiana, Florida, Kentucky-Virginia-West Virginia, and Michigan) shipped 46% of the total and leading consuming States (Florida, North Carolina, Virginia, Georgia, and Ohio) received 40% of total shipments. Cumulative shipments through November 1988, 3.5 million tons, were 3% less than cumulative shipments through November 1987.

Tables 5, 6, and 7 contain October import data as reported by the Bureau of the Census which were not available for publication in the October report. October imports of 1.8 million tons were 10% above imports in October 1987. Cumulative imports through October of 14.8 million tons, were slightly below cumulative imports through October 1987.

TABLE 1. - CEMENT SHIPMENTS BY PRODUCING DISTRICTS FOR MONTH OF NOVEMBER, 1988 1/

DISTRICT	FINISHED PORTLAND CEMENT (SHORT TONS) 2/		PREPARED MASONRY CEMENT (SHORT TONS)	
	NOVEMBER	YEAR TO DATE	NOVEMBER	YEAR TO DATE
NEW YORK, MAINE	268,522	3,169,894	13,766	136,579
PENNSYLVANIA EASTERN	422,748	4,464,385	24,854	282,083
PENNSYLVANIA WESTERN	146,288	1,457,284	8,337	91,348
MARYLAND	138,374	1,626,144	7,578	90,894
OHIO	130,986	1,417,743	11,190	128,536
MICHIGAN	400,949	4,749,839	23,106	252,204
INDIANA	217,250	2,254,950	38,086	378,170
ILLINOIS	218,749	2,000,824	3/	3/
GEORGIA, TENNESSEE	206,331	2,233,806	18,672	205,929
SOUTH CAROLINA	200,950	2,321,265	3/	3/
KENTUCKY, VIRGINIA, WEST VIRGINIA	182,319	2,198,788	24,788	318,804
FLORIDA	328,046	3,363,432	25,500	284,758
NEBRASKA, WISCONSIN	68,339	694,536	868	8,479
ALABAMA	306,755	3,402,860	20,551	242,203
ARKANSAS, LOUISIANA, MISSISSIPPI	114,357	1,299,481	4,591	53,285
UTAH	58,750	747,764	165	1,286
SOUTH DAKOTA	38,102	545,997	317	3,719
IOWA	168,754	2,025,200	3,414	46,421
MISSOURI	364,513	4,318,805	18,239	189,923
KANSAS	128,955	1,440,825	8,792	44,397
OKLAHOMA	148,103	1,367,322	8,208	51,009
TEXAS NORTHERN	237,957	3,378,191	6,340	72,558
TEXAS SOUTHERN	340,302	3,489,284	8,858	53,028
IDAH0, MONTANA	56,893	842,891	495	3,842
COLORADO, WYOMING	112,297	1,209,480	3/	3/
ALASKA, OREGON	28,944	506,486	80	80
ARIZONA, NEVADA, NEW MEXICO	153,349	1,998,479	5,258	66,071
CALIFORNIA NORTHERN	262,979	2,979,389	31	31
CALIFORNIA SOUTHERN	618,084	6,834,752	3/	3/
HAWAII	29,261	326,274	792	8,892
WASHINGTON	29,832	637,999	139	4,225
PUERTO RICO	110,215	1,281,513		

U.S. TOTAL..... 6,226,253 70,545,882 281,203 3,238,115

FOREIGN IMPORTS.... 1,245,882 13,650,472 22,897 251,201

TOTAL SHIPMENTS..... 7,473,135 84,196,354 304,100 3,489,316

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
 2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT
 3/ WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY PROPRIETARY DATA; INCLUDED IN TOTALS
 4/ AS REPORTED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS. SOURCE OF IMPORTS WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY DATA.

TABLE 2. - CEMENT SHIPMENTS BY DESTINATION FOR MONTH OF NOVEMBER ,1988 1/,2/

STATE	FINISHED PORTLAND CEMENT (SHORT TONS) 3/		PREPARED MASONRY CEMENT (SHORT TONS)	
	NOVEMBER	YEAR TO DATE	NOVEMBER	YEAR TO DATE
ALABAMA	115,121	1,293,443	8,982	105,313
ALASKA	4,104	69,304	5/	5/
ARIZONA	165,563	1,965,369	5/	5/
ARKANSAS	51,438	640,640	8,099	35,908
CALIFORNIA NORTHERN	319,643	3,676,493	5/	5/
CALIFORNIA SOUTHERN	720,319	7,946,142	5/	5/
COLORADO	85,373	987,258	960	12,161
CONNECTICUT 4/	82,272	922,885	2,014	22,375
DELAWARE 4/	26,678	254,610	1,221	14,390
DISTRICT OF COLUMBIA 4/	15,704	180,700	24	512
FLORIDA	623,883	6,612,584	46,589	507,026
GEORGIA	247,385	2,920,746	17,321	215,256
HAWAII	29,261	326,358	792	8,892
IDAHO	21,785	310,509	43	365
ILLINOIS	126,183	1,223,912	2,462	27,516
CHICAGO METROPOLITAN 4/	214,594	2,197,209	6,459	65,409
INDIANA	153,228	1,661,287	8,717	94,742
IOWA	108,099	1,195,666	888	11,532
KANSAS	96,913	1,079,489	2,061	19,690
KENTUCKY	96,826	1,060,138	6,789	84,863
LOUISIANA	132,378	1,424,545	2,817	33,795
MAINE	28,408	344,652	825	11,275
MARYLAND	142,268	1,587,100	12,845	153,934
MASSACHUSETTS 4/	121,077	1,341,775	3,765	44,817
MICHIGAN	242,096	2,603,880	11,987	136,974
MINNESOTA 4/	112,646	1,406,663	3,313	45,274
MISSISSIPPI	56,964	706,532	8,786	44,257
MISSOURI	174,304	2,045,020	3,889	45,555
MONTANA	12,750	165,375	41	908
NEBRASKA	65,575	716,083	892	9,236
NEVADA	80,929	1,009,652	26	182
NEW HAMPSHIRE 4/	33,430	310,317	1,254	12,222
NEW JERSEY 4/	145,207	1,597,528	6,714	77,597
NEW MEXICO	39,390	472,726	356	5,328
NEW YORK EASTERN	56,908	592,754	3,495	39,950
NEW YORK WESTERN	87,953	1,015,503	4,541	51,857
NEW YORK METROPOLITAN 4/	164,731	1,770,800	4,510	48,376
NORTH CAROLINA 4/	180,206	2,014,791	22,273	254,631
NORTH DAKOTA 4/	16,782	213,691	284	3,849
OHIO	302,294	3,244,685	16,533	186,231
OKLAHOMA	95,234	981,276	2,362	28,110
OREGON	52,068	746,342	17	255
PENNSYLVANIA EASTERN	229,919	2,264,909	8,362	91,042
PENNSYLVANIA WESTERN	96,585	1,155,160	6,258	75,363
PUERTO RICO	129,444	1,300,742	2,156	2,156
RHODE ISLAND 4/	20,057	198,728	637	6,548
SOUTH CAROLINA	108,203	1,120,007	11,758	133,933
SOUTH DAKOTA	18,445	266,921	846	4,076
TENNESSEE	121,275	1,562,017	12,521	166,215
TEXAS NORTHERN	248,737	3,163,311	6,408	79,171
TEXAS SOUTHERN	330,015	3,724,407	5,646	61,171
UTAH	45,847	593,396	153	1,269
VERMONT 4/	15,593	197,235	470	5,563
VIRGINIA	211,251	2,398,661	18,619	219,010
WASHINGTON	74,675	1,112,455	472	5,866
WEST VIRGINIA	30,389	353,850	2,075	28,748
WISCONSIN	125,185	1,564,575	3,519	44,183
WYOMING	10,857	259,347	74	770
U.S. POSS. AND TERR.	5/	5/	5/	5/
FOREIGN COUNTRIES 6/	13,688	174,251	9,680	103,669
TOTAL SHIPMENTS.....	7,473,135	84,196,354	304,100	3,489,316

- 1/ REVISIONS AND CORRECTIONS SUBMITTED AFTER THE INITIAL REPORT HAVE BEEN INCORPORATED IN THE APPROPRIATE MONTH.
- 2/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.
- 3/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT.
- 4/ HAS NO CEMENT PRODUCING PLANTS.
- 5/ INCLUDED WITH FOREIGN COUNTRIES TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY CONFIDENTIAL DATA.
- 6/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 5/.

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF NOVEMBER 1/ 2/ PAGE 1
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH-		1987	-PERCENT CHANGE FROM--	
								QTY.	YR		---CURRENT YEAR TO----	RECORD YEAR
ALABAMA	92	300	116	85	114	101	115	117	78	0.9	13.9	-1.7
ALASKA	4/	47	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
ARIZONA	140	149	150	168	188	159	166	188	87	-11.7	4.4	-11.7
ARKANSAS	58	60	56	54	52	56	51	75	66	-1.9	-8.9	-32.0
CALIFORNIA NORTHERN	197	221	277	319	310	265	320	324	79	3.2	20.8	-1.2
CALIFORNIA SOUTHERN	399	446	479	614	597	507	720	720	88	20.6	42.0	0.0
COLORADO	114	160	90	91	88	108	85	160	84	2.4	-21.3	-46.9
CONNECTICUT 3/	61	77	75	106	90	82	82	106	86	-8.9	0.0	-22.6
DELAWARE 3/	13	16	16	17	23	17	27	27	88	17.4	58.8	0.0
DISTRICT OF COLUMBIA 3/	7	9	9	15	14	11	16	30	74	14.3	45.5	-46.7
FLORIDA	228	479	461	489	526	477	624	624	88	18.6	30.8	0.0
GEORGIA	207	262	244	206	259	236	247	262	84	-4.6	4.7	-5.7
HAWAII	18	12	19	24	24	19	29	44	69	20.8	52.6	-34.1
IDAHO	19	19	14	19	21	18	22	44	76	4.8	22.2	-50.0
ILLINOIS	232	247	204	273	312	254	341	365	73	9.3	34.3	-6.6
INDIANA	107	110	100	119	157	119	153	169	78	-2.5	28.6	-9.5
IOWA	91	108	54	71	109	87	108	167	73	-0.9	24.1	-35.3
KANSAS	83	128	99	93	105	102	97	128	84	-7.6	-4.9	-24.2
KENTUCKY	74	82	75	79	88	80	97	123	68	10.2	21.8	-21.1
LOUISIANA	223	215	215	118	139	182	132	225	78	-5.0	-27.5	-41.3
MAINE	19	23	23	36	32	27	28	36	86	-12.5	3.7	-22.2
MARYLAND	110	127	120	145	134	127	142	145	86	6.0	11.8	-2.1
MASSACHUSETTS 3/	110	126	118	182	121	131	121	182	86	0.0	-7.6	-33.5
MICHIGAN	135	174	179	238	238	193	242	276	68	1.7	25.4	-12.3
MINNESOTA 3/	92	96	105	85	114	98	115	150	78	-0.9	15.3	-24.7
MISSISSIPPI	72	66	74	42	60	63	57	88	66	-5.0	-9.5	-35.2
MISSOURI	107	155	109	150	159	136	174	175	73	9.4	27.9	-0.6
MONTANA	18	18	10	8	11	13	13	26	79	18.2	0.0	-50.0
NEBRASKA	63	100	41	56	56	63	66	100	84	17.9	4.8	-34.0
NEVADA	42	42	38	44	58	45	81	81	88	39.7	80.0	0.0
NEW HAMPSHIRE 3/	22	32	33	45	26	32	38	45	86	26.9	3.1	-26.7
NEW JERSEY 3/	134	177	149	153	168	155	145	191	73	-11.0	-5.5	-24.1
NEW MEXICO	52	56	49	39	41	47	39	56	84	-4.9	-17.0	-30.4
NEW YORK EASTERN	35	48	49	71	65	54	57	85	73	-12.3	5.6	-32.9
NEW YORK WESTERN	57	71	63	100	83	75	88	100	86	6.0	17.8	-12.0
NEW YORK METROPOLITAN 3/	131	136	134	152	155	142	165	175	73	6.5	16.2	-5.7
NORTH CAROLINA	131	158	145	120	174	146	180	180	88	3.4	23.3	0.0
NORTH DAKOTA 3/	22	20	20	14	16	18	17	44	71	6.3	-5.6	-61.4
OHIO	196	214	192	253	299	231	302	333	73	1.0	30.7	-9.3
OKLAHOMA	166	139	96	67	82	110	95	166	83	15.9	-13.6	-42.8

TABLE 3. - SHIPMENTS OF FINISHED PORTLAND CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF NOVEMBER 1/ 2/ PAGE 2
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH- QTY.	YR	PERCENT CHANGE FROM--		
										--CURRENT YEAR TO--	1987	5-YEAR AVG
										RECORD YEAR TO----		YEAR
OREGON	33	39	29	41	59	40	52	75	79	-11.9	30.0	-30.7
PENNSYLVANIA EASTERN	136	151	147	181	212	165	230	230	88	8.5	39.4	0.0
PENNSYLVANIA WESTERN	87	92	80	127	86	94	97	127	86	12.8	3.2	-23.6
RHODE ISLAND 3/	10	15	15	19	17	15	20	21	67	17.6	33.8	-4.8
SOUTH CAROLINA	73	85	80	62	87	77	103	103	88	18.4	33.8	0.0
SOUTH DAKOTA	18	19	10	19	22	18	18	30	78	-18.2	0.0	-40.0
TENNESSEE	108	119	139	100	135	120	121	141	78	-10.4	0.8	-14.2
TEXAS	860	847	777	520	581	717	579	860	83	-0.3	-19.2	-32.7
UTAH	65	74	53	57	55	61	46	82	77	-16.4	-24.6	-43.9
VERMONT 3/	11	13	15	18	11	14	16	18	86	45.5	14.3	-11.1
VIRGINIA	148	180	162	174	207	174	211	211	88	1.9	21.3	0.0
WASHINGTON	71	83	48	81	111	79	75	163	79	-32.4	-5.1	-54.0
WEST VIRGINIA	34	28	25	29	36	30	30	55	78	-16.7	0.0	-45.5
WISCONSIN	103	91	77	88	127	97	125	156	78	-1.6	28.9	-19.9
WYOMING	21	27	17	14	16	19	11	40	81	-31.3	-42.1	-72.5
PUERTO RICO	78	78	78	89	104	85	129	165	73	24.0	51.8	-21.8
FOREIGN COUNTRIES	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/	4/
UNDISTRIBUTED 5/	21	25	14	16	19	19	18	42	73	-5.3	-5.3	-57.1
TOTAL	6155	6844	6266	6595	7183	6609	7471	7471	88	4.0	13.0	0.0

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

2/ EXCLUDES CEMENT USED IN THE MANUFACTURE OF PREPARED MASONRY CEMENT

3/ HAS NO CEMENT PRODUCING PLANT.

4/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.

5/ DIRECT SHIPMENTS BY PRODUCERS TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 4/.

TABLE 4. -- SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF NOVEMBER 1/ PAGE 5
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH- QTY.	YR	-PERCENT CHANGE FROM--		
										1987	5-YEAR AVG	RECORD YEAR
ALABAMA	8	8	9	8	10	9	9	11	78	10.0	0.0	-18.2
ALASKA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARIZONA	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/	3/
ARKANSAS	3	4	3	3	3	3	3	6	77	0.0	0.0	-50.0
CALIFORNIA NORTHERN	4/	4/	4/	4/	2	4/	1	2	82	0.0	0.0	0.0
CALIFORNIA SOUTHERN	2	2	1	1	1	1	1	3	77	-50.0	0.0	-50.0
COLORADO	2	2	1	2	2	2	2	2	87	0.0	0.0	-65.7
CONNECTICUT 2/	1	1	1	1	1	1	1	1	87	0.0	0.0	0.0
DELAWARE 2/	4/	4/	4/	4/	4/	4/	4/	3	71	0.0	0.0	-100.0
DISTRICT OF COLUMBIA 2/	36	41	38	40	48	40	47	47	88	9.3	17.5	0.0
FLORIDA	16	18	18	16	18	17	17	19	72	-5.6	0.0	-10.5
GEORGIA	4/	4/	1	1	1	1	1	1	73	0.0	0.0	0.0
HAWAII	4/	4/	4/	4/	4/	4/	4/	4/	76	0.0	0.0	0.0
IDAHO	6	6	5	6	8	6	9	12	78	12.5	50.0	-25.0
ILLINOIS	7	6	6	8	9	7	9	11	77	0.0	28.6	-18.2
INDIANA	1	1	1	1	1	1	1	3	76	0.0	0.0	-66.7
IOWA	2	2	1	1	2	2	2	3	78	0.0	0.0	-33.3
KANSAS	6	6	5	5	7	6	7	10	78	0.0	16.7	130.0
KENTUCKY	7	6	5	3	8	5	3	9	78	0.0	-40.0	-66.7
LOUISIANA	1	1	1	1	1	1	1	1	73	0.0	0.0	0.0
MAINE	10	11	10	15	12	12	13	15	86	8.3	8.3	-13.8
MARYLAND	3	4	4	5	4	4	4	5	86	0.0	0.0	20.0
MASSACHUSETTS 2/	6	7	7	10	12	8	12	16	68	0.0	50.0	-25.0
MICHIGAN	3	3	3	3	5	3	3	5	78	0.0	0.0	40.0
MINNESOTA 2/	5	5	5	3	4	4	4	8	78	0.0	0.0	-50.0
MISSISSIPPI	3	3	3	3	4	3	4	6	78	0.0	33.3	-33.3
MISSOURI	4/	4/	4/	4/	4/	4/	4/	4/	76	0.0	0.0	0.0
MONTANA	1	1	4/	1	3	1	1	2	77	0.0	0.0	-50.0
NEBRASKA	1	1	4/	1	4/	4/	4/	4/	78	0.0	0.0	0.0
NEVADA	1	3	1	1	1	1	1	1	86	0.0	0.0	0.0
NEW HAMPSHIRE 2/	5	7	6	6	7	6	7	7	87	0.0	15.7	0.0
NEW JERSEY 2/	1	1	1	1	4/	1	4/	2	77	0.0	-100.0	-100.0
NEW MEXICO	2	3	3	3	4	3	5	4	87	25.0	0.0	-25.0
NEW YORK EASTERN	3	4	3	5	4	4	5	6	73	25.0	25.0	-16.7
NEW YORK WESTERN	5	4	4	4	5	4	5	5	83	0.0	25.0	0.0
NEW YORK METROPOLITAN 2/	16	19	17	17	21	18	22	29	73	4.8	22.2	-24.1
NORTH CAROLINA	4/	4/	4/	4/	4/	4/	4/	1	78	0.0	0.0	-100.0
NORTH DAKOTA 2/	10	10	9	13	16	12	17	19	78	6.3	41.7	-10.5
OHIO	6	4	2	2	2	3	2	6	78	0.0	-33.8	-66.7
OKLAHOMA												

TABLE 4. - SHIPMENTS OF PREPARED MASONRY CEMENT BY STATE OF DESTINATION (1983-1988) FOR MONTH OF NOVEMBER 1/ PAGE 6
IN THOUSAND SHORT TONS

STATE	1983	1984	1985	1986	1987	5-YEAR AVERAGE	1988	RECORD HIGH- QTY.	YR	--PERCENT CHANGE FROM--		
										1987	5-YEAR AVG	RECORD YEAR
OREGON	4/	4/	4/	4/	4/		4/	4/	79	0.0	0.0	0.0
PENNSYLVANIA EASTERN	5	5	5	8	7		8	8	86	14.3	33.3	0.0
PENNSYLVANIA WESTERN	5	4	5	6	6		6	9	78	0.0	20.0	-33.3
RHODE ISLAND 2/	4/	4/	4/	4/	1		1	1	87	0.0	0.0	0.0
SOUTH CAROLINA	10	10	8	9	11		12	14	72	9.1	20.0	-14.3
SOUTH DAKOTA	4/	4/	4/	4/	4/		4/	4/	76	0.0	0.0	-100.0
TENNESSEE	11	12	12	11	14		13	17	78	-7.1	8.3	-23.5
TEXAS	26	24	19	10	11		12	26	83	9.1	-33.8	-53.8
UTAH	4/	4/	4/	4/	4/		4/	4/	78	0.0	0.0	0.0
VERMONT 2/	4/	4/	4/	4/	4/		4/	1	78	0.0	0.0	-100.0
VIRGINIA	12	14	13	18	16		19	21	73	18.8	26.7	-9.5
WASHINGTON	1	4/	4/	4/	4/		4/	1	79	0.0	0.0	-100.0
WEST VIRGINIA	2	2	2	2	2		2	4	77	0.0	0.0	-50.0
WISCONSIN	3	3	3	3	8		4	7	78	33.3	33.3	-42.9
WYOMING	4/	4/	4/	4/	4/		4/	4/	77	0.0	0.0	0.0
PUERTO RICO							2	2	88	0.0	0.0	0.0
FOREIGN COUNTRIES	3/	3/	3/	3/	3/		3/	3/	3/	3/	3/	3/
UNDISTRIBUTED 5/	8	8	7	7	9		9	9	88	0.0	12.5	0.0
TOTAL	261	273	248	263	292	267	305	837	78	4.5	14.2	-9.5

1/ INCLUDES IMPORTED CEMENT SHIPPED BY DOMESTIC AND CANADIAN CEMENT MANUFACTURERS AND OTHER IMPORTERS.

2/ HAS NO CEMENT PRODUCING PLANT.

3/ INCLUDED WITH UNDISTRIBUTED TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY DATA.

4/ LESS THAN 1/2 UNIT.

5/ DIRECT SHIPMENTS BY PRODUCER TO FOREIGN COUNTRIES, AND ALSO STATES INDICATED BY FOOTNOTE 3/.

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1989, BY COUNTRY AND CUSTOMS DISTRICT 3/
(SHORT TONS)

CUSTOMS DISTRICT	---BAHAMAS---	---BARBADOS---	BELGIUM, -LUXEMBOURG-	---BRAZIL---	---CANADA---	---COLUMBIA---	---DENMARK---	---FRANCE---
ANCHORAGE, ALASKA-----					1,634			
BALTIMORE, MD.-----								
BOSTON, MASS.-----					110,107			
BUFFALO, N.Y.-----					75			
CHARLESTON, S.C.-----					7,714			
CHICAGO, ILL.-----					52,045			
CLEVELAND, OHIO-----					3,560			
DETROIT, MICH.-----								
DULUTH, MINN.-----								
EL PASO, TEX.-----								
GREAT FALLS, MONT.-----								
HONOLULU, HAWAII-----								
HOUSTON, TEX.-----								
LAREDO, TEX.-----								
LOS ANGELES, CALIF.-----								
MIAMI, FLA.-----			500				6,614	
MOBILE, ALA.-----								19,477
NEW ORLEANS, LA.-----								
NEW YORK CITY, N.Y.-----								
NOGALES, ARIZ.-----					34,962	5,512		15,263
NORFOLK, VA.-----					29,935			
OGDENSBURG, N.Y.-----					1,441			
PEMBINA, N. DAK.-----						6,283		
PHILADELPHIA, PA.-----								
PORTLAND, MAINE-----								
PORTLAND, OREG.-----								
PROVIDENCE, R.I.-----								
SAN DIEGO, CALIF.-----								
SAN FRANCISCO, CALIF.-----								
SAN JUAN, P.R.-----								
SAVANNAH, GA.-----								
SEATTLE, WASH.-----					55,513			
ST. ALBANS, VT.-----					68,338			
TAMPA, FLA.-----					1	59,691		
VIRGIN ISLANDS OF U.S.-----						11,434		
WILMINGTON, N.C.-----								
OCTOBER:								
QUANTITY 4/-----	1,032	657	797		365,325	82,920	6,614	34,740
VALUE 5/-----	\$37,492	\$42,191	\$91,016		\$14,377,162	\$3,047,943	\$581,862	\$2,867,249
YEAR-TO-DATE:								
QUANTITY 4/-----	7,367	1,361	8,083	48	3,056,899	519,702	75,401	533,174
VALUE 5/-----	\$305,930	\$94,350	\$858,315	\$1,774	\$122,385,548	\$19,027,069	\$6,581,905	\$30,631,900

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	GERMANY ---WEST---	GREECE---	HONDURAS--	ITALY---	JAPAN---	KOREA, REPUBLIC OF--	LEBANON--	LEEWARD AND-- WINDWARD---
ANCHORAGE, ALASKA-----		40,370			6,889			
BALTIMORE, MD.-----		10,000						
BOSTON, MASS.-----								
BUFFALO, N.Y.-----								
CHARLESTON, S.C.-----								
CHICAGO, ILL.-----								
CLEVELAND, OHIO-----								
DETROIT, MICH.-----								
DULUTH, MINN.-----								
EL PASO, TEX.-----								
GREAT FALLS, MONT.-----								
HONOLULU, HAWAII-----								
HOUSTON, TEX.-----	58							
LAREDO, TEX.-----								
LOS ANGELES, CALIF.-----					112,432	68,186		
MIAMI, FLA.-----								
MOBILE, ALA.-----		29,267						
NEW ORLEANS, LA.-----								
NEW YORK CITY, N.Y.-----		125,410						
NOGALES, ARIZ.-----								
NORFOLK, VA.-----		4,540						
OGDENSBURG, N.Y.-----								
PENNINGTON, N. DAK.-----	1							
PHILADELPHIA, PA.-----								
PORTLAND, MAINE-----								
PORTLAND, OREG.-----								
PROVIDENCE, R.I.-----								
SAN DIEGO, CALIF.-----								
SAN FRANCISCO, CALIF.-----								
SAN JUAN, P.R.-----								
SAVANNAH, GA.-----								
SEATTLE, WASH.-----								
ST. ALBANS, VT.-----								
TAMPA, FLA.-----								
VIRGIN ISLANDS OF U.S.-----								
WILMINGTON, N.C.-----								
OCTOBER:								
QUANTITY 4/-----	59	234,389						
VALUE 5/-----	\$22,631	\$6,893,981			\$3,653,240	\$1,725,627		\$3,268
YEAR-TO-DATE:								
QUANTITY 4/-----	225	2,031,486		9	1,489,461	465,857	24	46
VALUE 5/-----	\$155,232	\$67,765,446		\$5,518	\$48,234,798	\$13,061,367	\$1,313,138	\$10,115

TABLE 56 - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1968 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	MEXICO----	MOROCCO----	NETHERLANDS	PANAMA----	PORTUGAL--	SAUDI ARABIA	SPAIN----	SWEDEN----
ALBUQUERQUE, ALASKA-----			41					
BALTIMORE, MD.-----	15,829							
BOSTON, MASS.-----								
BUFFALO, N.Y.-----								
CHARLESTON, S.C.-----								
CHICAGO, ILL.-----								
CLEVELAND, OHIO-----								
DETROIT, MICH.-----								
DULUTH, MINN.-----								
EL PASO, TEX.-----	38,501							
GREAT FALLS, MONT.-----								
HONOLULU, HAWAII-----								
HOUSTON, TEX.-----	79,977							
LAREDO, TEX.-----	18,127							
LOS ANGELES, CALIF.-----							12,264	
MIAMI, FLA.-----	35,794							
MOBILE, ALA.-----								
NEW ORLEANS, LA.-----	25,823						30,768	23,684
NEW YORK CITY, N.Y.-----	10,797							
NOGALES, ARIZ.-----	33,014						12,549	
NORFOLK, VA.-----	17,527							
OGDENSBURG, N.Y.-----								
PENBINA, N. DAK.-----								
PHILADELPHIA, PA.-----								
PORTLAND, MAINE-----								
PORTLAND, OREG.-----								
PROVIDENCE, R.I.-----	63,814							
SAN DIEGO, CALIF.-----	17,800							
SAN FRANCISCO, CALIF.-----								
SAN JUAN, P.R.-----	4,254							
SAVANNAH, GA.-----								
SEATTLE, WASH.-----								
ST. ALBANS, VT.-----								
TAMPA, FLA.-----								
VIRGIN ISLANDS OF U.S.-----								
WILMINGTON, N.C.-----	95,330		35				2,956	3,000
OCTOBER:								
QUANTITY 4/-----	456,587		80				84,414	26,684
VALUE 5/-----	\$13,697,013		\$85,963				\$3,586,015	\$1,031,269
YEAR-TO-DATE:								
QUANTITY 4/-----	4,117,266	88	205		567	19,663	36,412	45,627
VALUE 5/-----	\$123,988,045	\$4,408	\$204,050		\$31,198	\$941,887	\$1,075,517	\$1,830,034

TABLE 5. - HYDRAULIC CEMENT 1/ AND CLINKER 2/ IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1988 BY COUNTRY AND CUSTOMS DISTRICT 3/ - CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	UNITED ---TAIWAN---	---KINGDOM---	---VENEZUELA---	YUGOSLAVIA	---OCTOBER---	TOTAL
ANCHORAGE, ALASKA					8,523	34,494
BALTIMORE, MD.					56,240	322,389
BOSTON, MASS.					10,000	525,864
BUFFALO, N.Y.					110,107	840,317
CHARLESTON, S.C.						133,828
CHICAGO, ILL.					75	24,257
CLEVELAND, OHIO					7,714	123,288
DETROIT, MICH.					52,045	545,443
DULUTH, MINN.					3,560	114,874
EL PASO, TEX.					38,501	577,735
GREAT FALLS, MONT.					81	
HONOLULU, HAWAII					121,937	
HOUSTON, TEX.					80,035	820,243
LAREDO, TEX.					18,127	196,236
LOS ANGELES, CALIF.	38,084			108	220,424	1,585,617
MIAMI, FLA.					77,825	1,136,186
MOBILE, ALA.						386,348
NEW ORLEANS, LA.					45,300	957,812
NEW YORK CITY, N.Y.					190,659	1,200,164
NOGALES, ARIZ.					33,014	847,240
NORFOLK, VA.					69,152	443,156
OGDENSBURG, N.Y.			13,761		34,962	239,535
PEMBINA, N. DAK.					29,935	170,171
PHILADELPHIA, PA.					25,878	310,808
PORTLAND, MAINE					1,441	33,708
PORTLAND, OREG.					125,090	
PROVIDENCE, R.I.					31,085	257,239
SAN DIEGO, CALIF.					63,814	549,282
SAN FRANCISCO, CALIF.					17,800	258,518
SAN JUAN, P.R.					297	66,652
SAVANNAH, GA.					4,254	67,601
SEATTLE, WASH.					55,517	890,745
ST. ALBANS, VT.					68,377	476,392
TAMPA, FLA.					179,382	1,872,955
VIRGIN ISLANDS OF U.S.			21,405		4,714	61,763
WILMINGTON, N.C.					11,434	79,375

OCTOBER:

QUANTITY 4/	32.084
VALUE 5/	\$1,235.163

YEAR-TO-DATE:

QUANTITY 4/-----	114,694	26,387	563,605
VALUE 5/-----	\$3,719,788	\$1,268,577	\$19,734,252

W/ WITHHELD TO AVOID DISCLOSING COMPANY PROPRIETARY DATA.

11/ INCLUDES WHITE CEMENT AS SHOWN IN TABLE 6.

2/ INCLUDES CLINKER AS SHOWN IN TABLE 7.

3/ INCLUDES PUERTO RICO.

4 / DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

VALUE=CIF (COST, INSURANCE AND FREIGHT).

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	---BAHAMAS---	---BARBADOS---	BELGIUM, -LUXEMBOURG-	---CANADA---	---COLOMBIA---	---DENMARK---	---MEXICO---	---SPAIN---
BUFFALO, N.Y.				W				
DETROIT, MICH.				W				
EL PASO, TEX.							364	
HOUSTON, TEX.							935	
LAREDO, TEX.						W		
LOS ANGELES, CALIF.								
MIAMI, FLA.			500				104	
NEW YORK CITY, N.Y.								2,385
NOGALES, ARIZ.								
NORFOLK, VA.								
OGDENSBURG, N.Y.								
PEMBINA, N. DAK.								
PHILADELPHIA, PA.								
SAN DIEGO, CALIF.			297				1,236	2,140
SAN JUAN, P.R.								
SAVANNAH, GA.								
ST. ALBANS, VT.								
TAMPA, FLA.								
VIRGIN ISLANDS OF U.S.								
OCTOBER:								
QUANTITY 3/			797	W			2,639	4,525
VALUE 4/			\$91,016	W			\$272,959	\$528,192
YEAR-TO-DATE:								
QUANTITY 3/	3,176	704	8,053	W			57,574	38,613
VALUE 4/	\$134,511	\$52,159	\$858,315	W			\$4,194,650	\$5,496,774

TABLE 6. - WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/ --CONTINUED
(SHORT TONS)

CUSTOMS DISTRICT	-----T O T A L 3/-----	-----OCTOBER-----	-----TO DATE-----
BUFFALO, N.Y.	W	W	W
DETROIT, MICH.	W	W	W
EL PASO, TEX.	364	6,387	
HOUSTON, TEX.		14,131	
LAREDO, TEX.	935	13,904	
LOS ANGELES, CALIF.	W	W	W
MIAMI, FLA.	500	11,257	
NEW YORK CITY, N.Y.	2,385	13,652	
NOGALES, ARIZ.	104	259	
NORFOLK, VA.		15,624	
OGDENSBURG, N.Y.		51	
PEMBINA, N. DAK.		1	
PHILADELPHIA, PA.	2,140	9,941	
SAN DIEGO, CALIF.	1,236	15,497	
SAN JUAN, P.R.	297	13,152	
SAVANNAH, GA.		16,924	
ST. ALBANS, VT.	27	27	
TAMPA, FLA.		46,836	
VIRGIN ISLANDS OF U.S.		4,062	

OCTOBER:

QUANTITY 3/ 23,215
VALUE 4/ \$2,253,768

YEAR-TO-DATE:

QUANTITY 3/ 14,271
VALUE 4/ \$539,705

W / Withheld to avoid disclosing company proprietary data.

1/ DATA INCLUDED IN TABLE 5.

2/ INCLUDES PUERTO RICO.

3/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

4/ VALUE=CIF (COST, INSURANCE AND FREIGHT).

SOURCE: U.S. BUREAU OF THE CENSUS.

TABLE 7. - CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
OCTOBER 1988 BY COUNTRY AND CUSTOMS DISTRICT 1/ 2/
(SHORT TONS)

CUSTOMS DISTRICT	---BAHAMAS---	---CANADA---	---COLOMBIA---	---FRANCE---	---GREECE---	-----JAPAN----	KOREA, REPUBLIC OF-	---MEXICO---
BUFFALO, N.Y.-----								
CHARLESTON, S.C.-----								
DETROIT, MICH.-----								
HONOLULU, HAWAII-----		26,038						
LAREDO, TEX.-----								
LOS ANGELES, CALIF.-----								
MOBILE, ALA.-----								
NEW ORLEANS, LA.-----								
NEW YORK CITY, N.Y.-----				14,485			32,638	2,348
NORFOLK, VA.-----								
OGDENSBURG, N.Y.-----								
PHILADELPHIA, PA.-----								
PORTLAND, MAINE-----								
SAN JUAN, P.R.-----								
SEATTLE, WASH.-----								
TAMPA, FLA.-----								
VIRGIN ISLANDS OF U.S.-----	1,032							
OCTOBER:								
QUANTITY 3/-----	1,032	26,156		14,485			32,638	2,348
VALUE 4/-----	\$37,492	\$964,791		\$1,728,405			\$891,352	\$131,990
YEAR-TO-DATE:								
QUANTITY 3/-----	1,032	339,912	17,097	320,037	52,641	109,812	32,638	365,441
VALUE 4/-----	\$37,492	\$11,315,726	\$535,095	\$12,822,748	\$1,101,015	\$3,349,435	\$891,352	\$8,749,395

Table 8.—Salient cement statistics

Year or month	Thousand short tons					Average price ^{5/} (current \$/s.t.)
	Ship- ments ^{1/} ^{2/}	Produc- tion ^{1/}	Imports ^{3/}	Exports	Invento- ries ^{4/}	
1962	65,258	66,163	1,059	71	7,332	17.61
1963	68,666	69,260	758	86	7,425	17.17
1964	72,054	72,453	683	134	7,475	17.12
1965	73,637	73,103	1,035	141	6,193	16.90
1966	74,722	75,533	1,328	201	7,651	16.74
1967	73,371	72,539	1,112	184	7,807	16.87
1968	77,980	77,507	1,370	177	7,892	16.95
1969	80,319	78,375	1,821	111	7,129	17.20
1970	76,385	76,116	2,597	159	7,574	17.88
1971	82,397	80,317	3,088	125	6,425	19.01
1972	85,282	84,556	4,911	101	7,036	20.59
1973	90,727	87,573	6,686	825	5,557	22.23
1974	82,914	82,880	5,732	290	7,510	26.79
1975	70,684	69,721	3,702	494	6,923	31.41
1976	75,226	74,495	3,107	466	7,185	34.25
1977	81,614	80,060	4,038	239	6,074	36.76
1978	87,999	85,481	6,597	58	5,351	41.17
1979	87,153	85,904	9,412	151	6,637	46.61
1980	77,723	76,709	5,263	186	6,685	51.29
1981	72,974	72,932	3,997	303	7,408	52.46
1982	65,053	64,341	2,930	203	6,789	51.43
1983	71,865	71,347	4,268	118	6,743	50.45
1984	81,162	78,699	8,846	80	6,899	52.24
1985	84,004	78,859	14,487	98	7,267	51.67
1986	88,723	79,916	16,319	59	6,725	50.73
1987	90,427	79,501	17,726	52	6,193	49.76
1987:						
Jan	5,021	NA	827	3	NA	63.28
Feb	4,904	NA	934	3	NA	63.25
Mar	6,723	NA	1,560	4	NA	63.66
Apr	8,137	NA	1,349	5	NA	63.50
May	8,464	NA	1,745	5	NA	63.50
Jun	9,370	NA	1,712	6	NA	64.35
Jul	9,642	NA	1,817	5	NA	64.25
Aug	8,926	NA	1,820	5	NA	64.25
Sep	9,316	NA	1,718	7	NA	63.73
Oct	9,777	NA	1,633	5	NA	63.73
Nov	7,493	NA	1,380	3	NA	63.73
Dec	6,052	NA	1,260	2	NA	63.73
1988:						
Jan	4,110	NA	1,111	1	NA	64.08
Feb	5,165	NA	817	7	NA	64.07
Mar	7,180	NA	1,239	8	NA	64.44
Apr	7,826	NA	1,585	9	NA	65.01
May	8,873	NA	1,648	10	NA	65.02
Jun	9,799	NA	1,673	9	NA	66.39
Jul	8,557	NA	1,563	8	NA	65.45
Aug	9,684	NA	1,751	11	NA	65.48
Sep	9,295	NA	1,706	13	NA	64.42
Oct	9,218	NA	1,795	10	NA	64.27
Nov	7,777	NA	NA	NA	NA	64.17

NA = Not available.

^{1/}Portland and masonry cement, and cement produced from imported clinker, for the 50 States and Puerto Rico.^{2/}Includes portland cement shipped by domestic producers and distributors.^{3/}Includes clinker.^{4/}Since 1973, annual data include Puerto Rico.^{5/}Annual: f.c.b. plant, Bureau of Mines annual canvass. Monthly: average of quotations for bulk cement in 20 cities, reported monthly in Engineering News Record.