Reg	SourceName	SourceAddress	SourceCity	SourceZip
11339	Ash Grove Cement Co, E Margi	3801 E Marginal Way S	Seattle	98134

SourceCounty	MailAddress	MailCity	MailState	MailZip	Contact1	Contact1Title
KING	3801 E Marginal Way S	Seattle	WA	98134-1111	Craig Puljan	Plant Manager

Contact1AreaCode	Contact1Phone	Contact1Email	Contact2	Contact2Title
206	623-5596		Gerald Brown	Safety/Environmental Mar

Contact2AreaCode	Contact2Phone	Contact2Email	NAICSCode	SIC_Code	Latitude
206	694-6221	gerald.brown@ashgrove.	327310	3241	-122.34137

Longitude	X_UTM	Y_UTM	OperationHoursPerDay	OperationDaysPerWeek	OperationWeeksPerYear
47.568993	549.54	5268.39	24	7	52

OperationStartTime	Throughput%ForDecFeb	Throughput%ForMarMay	Throughput%ForJunAug
8:00 AM	21	26	30

Throughput%ForSepNov
23

Reg	Point	Description	StackHeightInFeet	StackDiameterInFeet	ExitGasTemperatureInF	ExitGasFlowRateInCFM
11339	1	Clinker Handling And Storage	10	3	72	400
11339	2	Cement Handling And Storage	10	3	72	400
11339	3	Cement Kiln	200	10	370	170000
11339	4	Raw Material Handling & Storage	10	3	72	400
11339	5	Kiln Feed Handling & Storage	10	3	72	400

Reg	Point	Segment	Description	SCC_Code	Process Quantity 2003	Process Quantity 2002	ProcessUnits	EPAPrimaryControlDevice	EPASecondaryControlDevice	HeatContentInMillionBTUs	HeatContentFuelTypeBurned	SulfurContent%	AshContent%
11339	1	1	Cement Kiln Dry Process With Baghouse Fabric Filters	3-05-006-06	556004	693842	Ton	100	206				
11339	1	2	Coal Mills	3-05-006-06	61382	85677	Ton						
11339	2	1	Limestone Transfer With Fabric Filter	3-05-006-12	670305	865390	Ton	127					
11339	3	1	Raw Mill Air Separator With Fabric Filter	3-05-006-17	816762	1062802	Ton	127					
11339	4	1	Finish Grinding Feed Belt With Fabric Filter	3-05-006-14	556004	693842	Ton	127					
11339	5	1	Finish Grinding Mill Air Separator With Fabric Filter	3-05-006-14	586137	707608	Ton	127					

SEA0116

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Reg	Point	Segment	CAS	ChemicalName	EmissionQuantityFor 2003 InPounds	2002InPounds	MethodCode	VOC?	TAC?	HAP?
11339	1	1	CO	Carbon Monoxide	2242200	2582400	1	No	No	No
11339	1	1	NO2	Nitrogen Oxides	1938800	2215000	1	No	No	No
11339	1	1	PM10	Particulate Matter	46037	57450	4	No	No	No
11339	1	1	PM2.5	Particulate Matter	42812	53426	3	No	No	No
11339	1	1	SO2	Sulfur Oxides	277800	342800	1	No	No	No
11339	1	2	CO	Carbon Monoxide	152605	245325	4	No	No	No
11339	1	2	NO2	Nitrogen Oxides	131955	210422	4	No	No	No
11339	1	2	PM10	Particulate Matter	2489	3475	4	No	No	No
11339	1	2	PM2.5	Particulate Matter	1493	2085	4	No	No	No
11339	1	2	SO2	Sulfur Oxides	18907	32566	4	No	No	No
11339	2	1	PM10	Particulate Matter	3811	5290	4	No	No	No
11339	2	1	PM2.5	Particulate Matter	2286.6	3174	4	No	No	No
11339	3	1	PM10	Particulate Matter	1908	4743	4	No	No	No
11339	3	1	PM2.5	Particulate Matter	1145	2846	4	No	No	No
11339	4	1	PM10	Particulate Matter	5053	6013	4	No	No	No
11339	4	1	PM2.5	Particulate Matter	3032	3608	4	No	No	No
11339	5	1	PM10	Particulate Matter	18997	23329	4	No	No	No
11339	5	1	PM2.5	Particulate Matter	11397	13997	4	No	No	No

EPAControlDeviceCode	Description
000	UNCONTROLLED
001	WET SCRUBBER - HIGH EFFICIENCY
002	WET SCRUBBER - MEDIUM EFFICIENCY
003	WET SCRUBBER - LOW EFFICIENCY
004	GRAVITY COLLECTOR - HIGH EFFICIENCY
005	GRAVITY COLLECTOR - MEDIUM EFFICIENCY
006	GRAVITY COLLECTOR - LOW EFFICIENCY
007	CENTRIFUGAL COLLECTOR (CYCLONE) - HIGH
008	CENTRIFUGAL COLLECTOR (CYCLONE) - MEDIUM
009	CENTRIFUGAL COLLECTOR (CYCLONE) - LOW
010	ELECTROSTATIC PRECIPITATOR - HIGH EFFICIENCY
011	ELECTROSTATIC PRECIPITATOR - MEDIUM EFFICIENCY
012	ELECTROSTATIC PRECIPITATOR - LOW EFFICIENCY
013	GAS SCRUBBER (GENERAL, NOT CLASSIFIED)
014	MIST ELIMINATOR - HIGH VELOCITY, I.E. V>250 FT/MIN
015	MIST ELIMINATOR - LOW VELOCITY, I.E. V<250 FT/MIN
016	FABRIC FILTER - HIGH TEMPERATURE, I.E. T>250F
017	FABRIC FILTER - MEDIUM TEMPERATURE, I.E.
018	FABRIC FILTER - LOW TEMPERATURE, I.E. T<180F
019	CATALYTIC AFTERBURNER
020	CATALYTIC AFTERBURNER WITH HEAT EXCHANGER
021	DIRECT FLAME AFTERBURNER
022	DIRECT FLAME AFTERBURNER WITH HEAT EXCHANGER
023	FLARING
024	MODIFIED FURNACE OR BURNER DESIGN
025	STAGED COMBUSTION
026	FLUE GAS RECIRCULATION
027	REDUCED COMBUSTION - AIR PREHEATING
028	STEAM OR WATER INJECTION
029	LOW EXCESS AIR FIRING
030	USE OF FUEL WITH LOW NITROGEN CONTENT
031	AIR INJECTION
032	AMMONIA INJECTION
033	CONTROL OF % O2 IN COMBUSTION AIR (OFF
034	WELLMAN-LORD/SODIUM SULFITE SCRUBBING
035	MAGNESIUM OXIDE SCRUBBING
036	DUAL ALKALI SCRUBBING
037	CITRATE PROCESS SCRUBBING
038	AMMONIA SCRUBBING
039	CATALYTIC OXIDATION - FLUE GAS DESULFURIZATION
040	ALKALIZED ALUMINA
041	DRY LIMESTONE INJECTION
042	WET LIMESTONE INJECTION
043	SULFURIC ACID PLANT - CONTACT PROCESS
044	SULFURIC ACID PLANT - DOUBLE CONTACT PROCESS

EPAControlDeviceCode	Description
045	SULFUR PLANT
046	PROCESS CHANGE
047	VAPOR RECOVERY SYS (INCL. CONDENSERS, HOODING,
048	ACTIVATED CARBON ADSORPTION
049	LIQUID FILTRATION SYSTEM
050	PACKED-GAS ABSORPTION COLUMN
051	TRAY-TYPE GAS ABSORPTION COLUMN
052	SPRAY TOWER
053	VENTURI SCRUBBER
054	PROCESS ENCLOSED
055	IMPINGEMENT PLATE SCRUBBER
056	DYNAMIC SEPARATOR (DRY)
057	DYNAMIC SEPARATOR (WET)
058	MAT OR PANEL FILTER
059	METAL FABRIC FILTER SCREEN (COTTON GINS)
060	PROCESS GAS RECOVERY
061	DUST SUPPRESSION BY WATER SPRAYS
062	DUST SUPPRESSION BY CHEMICAL STABILIZERS OR
063	GRAVEL BED FILTER
064	ANNULAR RING FILTER
065	CATALYTIC REDUCTION
066	MOLECULAR SIEVE
067	WET LIME SLURRY SCRUBBING
068	ALKALINE FLY ASH SCRUBBING
069	SODIUM CARBONATE SCRUBBING
070	SODIUM-ALKALI SCRUBBING
071	FLUID BED DRY SCRUBBER
072	TUBE AND SHELL CONDENSER
073	REFRIGERATED CONDENSER
074	BAROMETRIC CONDENSER
075	SINGLE CYCLONE
076	MULTIPLE CYCLONE W/O FLY ASH REINJECTION
077	MULTIPLE CYCLONE W/ FLY ASH REINJECTION
078	BAFFLE
079	DRY ELECTROSTATIC GRANULAR FILTER (DEGF)
080	CHEMICAL OXIDATION
081	CHEMICAL REDUCTION
082	OZONATION
083	CHEMICAL NEUTRALIZATION
084	ACTIVATED CLAY ADSORPTION
085	WET CYCLONIC SEPARATOR
086	WATER CURTAIN
087	NITROGEN BLANKET
088	CONSERVATION VENT
089	BOTTOM FILLING

EPAControlDeviceCode	Description
090	CONVERSION TO VARIABLE VAPOR SPACE TANK
091	CONVERSION TO FLOATING ROOF TANK
092	CONVERSION TO PRESSURIZED TANK
093	SUBMERGED FILLING
094	UNDERGROUND TANK
095	WHITE PAINT
096	VAPOR LOCK BALANCE RECOVERY SYSTEM
097	INSTALLATION OF SECONDARY SEAL FOR EXTERNAL
098	MOVING BED DRY SCRUBBER
099	MISCELLANEOUS CONTROL DEVICES
100	BAGHOUSE
101	HIGH-EFFICIENCY PARTICULATE AIR FILTER (HEPA)
102	LOW SOLVENT COATINGS
103	POWDER COATINGS
104	WATERBORNE COATINGS
105	PROCESS MODIFICATION - ELECTROSTATIC SPRAYING
106	DUST SUPPRESSION BY PHYSICAL STABILIZATION
107	SELECTIVE NONCATALYTIC REDUCTION FOR NOX
108	DUST SUPPRESSION - TRAFFIC CONTROL
109	CATALYTIC OXIDIZER
110	VAPOR RECOVERY UNIT
112	AFTERBURNER
113	ROTOCLONE
115	IMPINGEMENT TYPE WET SCRUBBER
116	CATALYTIC INCINERATOR
117	PACKED SCRUBBER
118	CROSSFLOW PACKED BED
119	DRY SCRUBBER
120	FLOATING BED SCRUBBER
121	MULTIPLE CYCLONES
122	QUENCH TOWER
123	SPRAY SCRUBBER
124	HIGH PRESSURE SCRUBBER
125	LOW PRESSURE SCRUBBER
127	FABRIC FILTER
128	ELECTROSTATIC PRECIPITATOR
129	SCRUBBER
130	CAUSTIC SCRUBBER
131	THERMAL OXIDIZER
132	CONDENSER
133	INCINERATOR
134	DEMISTER
137	HVAF
138	BOILER AT LANDFILL
139	SCR (SELECTIVE CATALYTIC REDUCTION)

EPAControlDeviceCode	Description
140	NSCR (NON-SELECTIVE CATALYTIC REDUCTION)
141	WET SCRUBBER
143	WET SUPPRESSION
144	SPRAY SCREEN
145	SINGLE WET CAP
146	WET ELECTROSTATIC PRECIPITATOR
147	INCREASED AIR/FUEL RATIO WITH INTERCOOLING
148	CLEAN BURN
149	PRE-COMBUSTION CHAMBER
150	MECHANICAL COLLECTOR
151	FIBER MIST ELIMINATOR
152	MIST ELIMINATOR - HIGH EFFICIENCY
153	WATER SPRAYS
154	SCREENED DRUMS OR CAGES
155	PACKED BED SCRUBBER - HIGH EFFICIENCY
157	SCREEN
158	IONIZING WET SCRUBBER
159	ELECTRIFIED FILTER BED
201	KNOCK OUT BOX
202	SPRAY DRYER
203	CATALYTIC CONVERTER
204	OVERFIRE AIR
205	LOW NOX BURNERS
206	DRY SORBENT INJECTION
207	CARBON INJECTION
208	FREEBOARD REFRIGERATION DEVICE

MethodCode	Description
1	Emission Test
2	Material Balance
3	EPA Emission Factor
4	Engineering Judgment