

**Table 1**  
**Sources and Contaminants Identification Table**

Source Information				General Location	Expected Contaminants	Significant (Yes or No)?	Modelled (Yes or No)?	Rationale
Source ID	Model Source ID	Source Costing Category	Source Name					
<b>Quarry Operations</b>								
Q1	DRILL	Previously Reviewed	Blasting - Hole Drilling	Quarry	SPM, crystalline silica	Yes	No	Not required as drilling and blasting are regulated under the Aggregate Resources Act (O. Reg 244/97)
Q2	BLAST	Previously Reviewed	Blasting	Quarry	SPM, crystalline silica, CO, NO <sub>2</sub> , SO <sub>2</sub>	Yes	No	
Q3	—	Previously Reviewed	Quarry storage piles	Quarry	SPM, crystalline silica	No	No	Wind Erosion was not considered as BMPs are established to control fugitive dust emissions associated with material handling, as per Section 7.4.1 of the ESDM procedure Document.
Q4	—	Previously Reviewed	Quarry unpaved roads	Quarry	SPM, crystalline silica	No	No	Roads were not considered as BMPs are established to control fugitive dust emissions associated with material handling, as per Section 7.4.1 of the ESDM procedure Document.
Q5	QUARRY	Previously Reviewed	Material transfers	Quarry	SPM, crystalline silica	Yes	Yes	N/A
<b>Material Transfers</b>								
1-1	VFUG4	Previously Reviewed	Haul Truck dump into Primary Crusher	Primary Crushing	SPM, crystalline silica	Yes	Yes	N/A
1-2	VFUG4A	Previously Reviewed	S-2 to Crushed Limestone Pile	Primary Crushing	SPM, crystalline silica	Yes	Yes	N/A
2	SECOND	Previously Reviewed	Secondary Crusher	Secondary Crushing	SPM, crystalline silica	Yes	Yes	N/A
3-1	COALSHIP	Previously Reviewed	LSC and coke unloading from ship	Coal Storage Area	SPM, crystalline silica	Yes	Yes	N/A
3-2	COALTD	Previously Reviewed	LSC and coke shore pile outloading	Coal Storage Area	SPM, crystalline silica	Yes	Yes	N/A
3-3	GYPSHIP	Previously Reviewed	Anhydride and crude gypsum unloading from ship	Gypsum Storage Area	SPM, crystalline silica	Yes	Yes	N/A
3-4	GYPSUMTD	Previously Reviewed	Anhydride and crude gypsum shore pile outloading	Gypsum Storage Area	SPM, crystalline silica	Yes	Yes	N/A
3-5	MISCDROP	Previously Reviewed	Silica, iron, and alumina additive drop to pile and drop to storage hall	Additives Storage Area	SPM, crystalline silica	Yes	Yes	N/A
3-6	CKD	Previously Reviewed	CKD drop to pile and outloading to sales	CKD Storage Area	SPM, crystalline silica	Yes	Yes	N/A
3-7	VFUG5	Previously Reviewed	Fuel drop into feed hopper	Coal Mill - Kiln 4	SPM, crystalline Silica	Yes	Yes	N/A
<b>Kilns</b>								
4-1	KILN3	Decommissioned	Kiln 3 Stack with baghouse	Kiln 3	SPM, Carbon Monoxide, Nitrogen Oxides, Ammonia, Sulfur Oxides, Carbon Dioxide, Metals, Inorganics and Organics, and Dioxins and Furans	No	No	Kiln 3 no longer operational at the Facility.
4-2	KILN4	Previously Reviewed (source requiring review)* Use of alternative low-carbon fuels (ALCFs) not previously reviewed	Kiln 4 Stack with ESPs, SNCR ammonia injection, and lime injection	Kiln 4	SPM, Carbon Monoxide, Nitrogen Oxides, Ammonia, Sulfur Oxides, Carbon Dioxide, Metals, Inorganics and Organics, and Dioxins and Furans	Yes	Yes	N/A
4-3	KILN3_C	Decommissioned	Kiln 3 Cooler with baghouse	Kiln 3	SPM, crystalline silica	No	No	Kiln 3 no longer operational at the Facility.
4-4	KILN4_C	Previously Reviewed	Kiln 4 Cooler with baghouse	Kiln 4	SPM, crystalline silica	Yes	Yes	N/A
4-5	KILN4_BP	Previously Reviewed (source requiring review)* Use of alternative low-carbon fuels (ALCFs) not previously reviewed	Kiln 4 Bypass Stack with baghouse	Kiln 4	SPM, Carbon Monoxide, Nitrogen Oxides, Ammonia, Sulfur Oxides, Carbon Dioxide, Metals, Inorganics and Organics, and Dioxins and Furans	Yes	Yes	N/A

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<b>Baghouses</b>								
5-1	SRCID3	Previously Reviewed	#1 Mill Stack with Baghouse	Raw Mill for Kiln 4	SPM, crystalline silica	Yes	Yes	N/A
5-2	SRCID4	Previously Reviewed	#2 Mill Stack with Baghouse	Grinding Mill - Slag	SPM, crystalline silica	Yes	Yes	N/A
5-3	SRCID5	Previously Reviewed	#3 Mill Stack with Baghouse	Cement Mill	SPM, crystalline silica	Yes	Yes	N/A
5-4	SRCID6	Previously Reviewed	#4 Mill Stack with Baghouse	Cement Mill	SPM, crystalline silica	Yes	Yes	N/A
5-5	SRCID7	Previously Reviewed	#5 Mill Stack with Baghouse	Cement Mill	SPM, crystalline silica	Yes	Yes	N/A
5-6	SRCID8	Previously Reviewed	#6 & #7 Mill Stack with Baghouse	Cement Mill	SPM, crystalline silica	Yes	Yes	N/A
5-7	SRCID11	Previously Reviewed	Primary Crusher with Baghouse	Primary Crushing	SPM, crystalline silica	Yes	Yes	N/A
5-8	SRCID12	Previously Reviewed	Hammermill equipped with dust collector	Secondary Crushing	SPM, crystalline silica	Yes	Yes	N/A
5-9	SRCID13	Previously Reviewed	Screen House equipped with dust collector	Secondary Crushing	SPM, crystalline silica	Yes	Yes	N/A
5-10	SRCID14	Previously Reviewed	Blend Silo 2 equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-11	SRCID15	Previously Reviewed	Blend Silo 3 equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-12	SRCID16	Previously Reviewed	Blend Silo 4( #3 Kiln Feed) equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-13	SRCID17	Previously Reviewed	Blend Silo 6 equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-14	SRCID18	Previously Reviewed	Kiln 3 Feed System equipped with dust collector	Kiln 3	SPM, crystalline silica	No	No	Decommissioned as Kiln 3 is no longer operational at the Facility
5-15	SRCID19	Previously Reviewed	Packhouse Truck #1 equipped with dust collector	Product Shipping	SPM, crystalline silica	Yes	Yes	N/A
5-16	SRCID20	Previously Reviewed	Packhouse North Packer equipped with dust collector	Cement Product	SPM, crystalline silica	Yes	Yes	N/A
5-17	SRCID21	Previously Reviewed	Packhouse South Packer equipped with dust collector	Cement Product	SPM, crystalline silica	Yes	Yes	N/A
5-18	SRCID22	Previously Reviewed	Packhouse Masonary equipped with dust collector	Cement Product	SPM, crystalline silica	Yes	Yes	N/A
5-19	SRCID23	Previously Reviewed	Silo #4 equipped with dust collector	Cement Storage	SPM, crystalline silica	Yes	Yes	N/A
5-20	SRCID26	Previously Reviewed	Dock Silo 1 equipped with dust collector	Cement Storage	SPM, crystalline silica	Yes	Yes	N/A
5-21	SRCID27	Previously Reviewed	Dock Silo 2 equipped with dust collector	Cement Storage	SPM, crystalline silica	Yes	Yes	N/A
5-22	SRCID28	Previously Reviewed	Dock Silo 3 equipped with dust collector	Cement Storage	SPM, crystalline silica	Yes	Yes	N/A
5-23	SRCID29	Previously Reviewed	Dock Silo 4 equipped with dust collector	Cement Storage	SPM, crystalline silica	Yes	Yes	N/A
5-26	SRCID33	Previously Reviewed	Waste Dust Bin equipped with dust collector	K3 Process	SPM, crystalline silica	No	No	Decommissioned as Kiln 3 is no longer operational at the Facility
5-27	SRCID35	Previously Reviewed	Clinker Ship Loading equipped with dust collector	Clinker Product	SPM, crystalline silica	Yes	Yes	N/A
5-28	SRCID36	Previously Reviewed	Brick Saw K-4 equipped with dust collector	Kiln 4 Process	SPM, crystalline silica	Yes	Yes	N/A
5-31	SRCID42	Previously Reviewed	Coal Mill Dust Collector equipped with dust collector	Coal Mill	SPM, crystalline silica	Yes	Yes	N/A
5-32	SRCID43	Previously Reviewed	Indirect Firing - Coal Silo equipped with dust collector	Kiln Fuel	SPM, crystalline silica	Yes	Yes	N/A
5-33	SRCID44	Previously Reviewed	Indirect Firing - Coke Silo equipped with dust collector	Kiln Fuel	SPM, crystalline silica	Yes	Yes	N/A
5-34	SRCID45	Previously Reviewed	Ind. Firing - Weigh Feeder equipped with dust collector	Kiln Fuel	SPM, crystalline silica	Yes	Yes	N/A
5-35	SRCID46	Previously Reviewed	Ind. Firing - Weigh Feeder equipped with dust collector	Kiln Fuel	SPM, crystalline silica	Yes	Yes	N/A
5-36	SRCID47	Previously Reviewed	Coal Handling equipped with dust collector	Kiln Fuel	SPM, crystalline silica	Yes	Yes	N/A
5-37	SRCID48	Previously Reviewed	Coal Handling equipped with dust collector	Kiln Fuel	SPM, crystalline silica	Yes	Yes	N/A
5-38	SRCID49	Previously Reviewed	New Secondary Crusher equipped with dust collector	Secondary Crushing	SPM, crystalline silica	Yes	Yes	N/A
5-39	SRCID51	Previously Reviewed	Expansion - Limestone Storage 105-1 equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-40	SRCID55	Previously Reviewed	Expansion - Bucket Elev. Dedust. 105-5 equipped with dust collector	Crushed Limestone Storage	SPM, crystalline silica	Yes	Yes	N/A
5-41	SRCID58	Previously Reviewed	Blend Silo 5 equipped with dust collector	Raw Feed Storage	SPM, crystalline silica	Yes	Yes	N/A
5-42	SRCID61	Previously Reviewed	Lime addition silo equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-43	SRCID62	Previously Reviewed	Pan conveyor equipped with dust collector	Clinker Transfers	SPM, crystalline silica	Yes	Yes	N/A
5-44	SRCID63	Previously Reviewed	Truck load dust collector 2 equipped with dust collector- South scale	Cement Product	SPM, crystalline silica	Yes	Yes	N/A
5-45	SRCID64	Previously Reviewed	Truck load dust collector 4 equipped with dust collector - South scale	Cement Product	SPM, crystalline silica	Yes	Yes	N/A
5-46	SRCID65	Previously Reviewed	Truck Load dust collector 3 equipped with dust collector - East	Cement Product	SPM, crystalline silica	Yes	Yes	N/A
5-47	SRCID66	Previously Reviewed	Expansion - Hopper Feedweights equipped with dust collector	Raw Material Handling	SPM, crystalline silica	Yes	Yes	N/A
5-48	SRCID67	Previously Reviewed	Slag dryer equipped with dust collector	Raw Material	SPM, crystalline silica	Yes	Yes	N/A
5-49	SRCID68	Previously Reviewed	#8 Mill Stack	Cement Mill	SPM, crystalline silica	Yes	Yes	N/A
5-50	SRCID69	New	Cement dome dust collector	Cement Dome	SPM, crystalline silica	Yes	No	Emitted at less than 5% of the Facility's emissions
<b>Other Sources</b>								
6	CLINK1 to 3, VFUG6, VFUG8A, VFUG8B, VFUG11 and VFUG12	Previously Reviewed	Clinker transfers	Facility	SPM, crystalline silica	Yes	Yes	N/A
7	—	Previously Reviewed	Storage Piles	Outdoor Storage Areas	SPM	No	No	Wind Erosion was not considered as BMPs are established to control fugitive dust emissions associated with material handling, as per Section 7.4.1 of the ESDM procedure Document.
8	—	Previously Reviewed	Paved and Unpaved Roads	Outdoors	SPM	No	No	Roads were not considered as BMPs are established to control fugitive dust emissions associated with material handling, as per Section 7.4.1 of the ESDM procedure Document.
9	—	New (no significant emission)	Alternative Low Carbon Fuels Receiving and Handling	Indoor Storage Areas	SPM	No	No	Receiving and handling of materials are both enclosed.

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<b>Supporting Processes</b>								
NEG1	—	Previously Reviewed	Comfort Heating Equipment	Facility	Nitrogen oxides	No	No	The comfort heating equipment can be considered negligible as per Section 7.2.2 of the ESDM Procedure Document as it emits significantly less than 5% of the Facility's nitrogen oxides compared to the kilns.
NEG2	—	Previously Reviewed	Maintenance Welding	Facility	SPM, metals	Yes	No	All contaminants are either emitted at less than 5% of the total facility emissions or are below the emission threshold when screening.
NEG3	—	Previously Reviewed	Quality Assurance and Quality Control Fume Hoods	Facility	VOCs	No	No	Negligible as per Table B-3A of the ESDM Procedure Document
NEG4	—	Previously Reviewed	Parts washers for maintenance shops	Facility	VOCs	No	No	Negligible as per Table B-3A of the ESDM Procedure Document
NEG5	—	Previously Reviewed	On-site storage tanks for fueling of on-site vehicles	Facility	VOCs	No	No	Negligible as per Table B-3A of the ESDM Procedure Document