

EXHIBIT 5

APPENDIX D

RACT/BACT/LAER CLEARINGHOUSE SUMMARY

USEPA RBLC Query Results Summary

Introduction

General Notes:

- * Attached are pollutant-specific USEPA RBLC query results summaries for lime kilns.
- * The queries were performed for lime manufacturing operations (process type 90.019) with the key word "kiln" in the process name. They include the time period 1/1/1998 to 1/28/2008.
- * The results shown are for those kilns in the database that are fired on coal or a mixture of coal and petroleum coke.
- * Entries were excluded if no standard emission factor, in units of pounds of emissions per ton of lime produced, was given or if insufficient data were provided with which to calculate a standard factor.
- * In some cases, data necessary to calculate a standard emission factor were provided but not in the appropriate units. In these instances one or both of the following assumptions were made for the purpose of calculating a standard emission factor in units of pounds of emissions per ton of lime produced:
 - * The facility's potential emissions are based on a full capacity operating schedule (i.e., 24 hours/day, 8760 hours/year), and
 - * Two tons of limestone feed yields one ton of lime.

Specific Notes:

- 1 Kiln has permit, but has not been built.
- 2 Production rate calculated based on other data provided.
- 3 Standard emission rate calculated based on lb/hr limit.
- 4 Facility is idle.
- 5 Production rate and SO₂ emission factor provided for Kiln #3. Kiln #1 = 600 ton lime per day, 0.56 lb SO₂ per ton of lime. Kiln #2 = 800 ton lime per day, 0.63 lb SO₂ per ton of lime.
- 6 Kiln size is much different than that proposed in the application.
- 7 Kiln produces dolomitic lime, which is different than the type proposed in this application.
- 8 Kiln is an existing kiln that has been re-permitted.

USEPA RBLC Query Results Summary for NOx

COMPANY / FACILITY NAME / SOURCE	RBLC ID	PERMIT DATE	FUEL	LIME PROD. RATE (TON/DAY)	CONTROL DESCRIPTION	EMISSION FACTOR (LB/TON LIME)	NOTES
MISSISSIPPI LIME COMPANY (Prairie du Rocher, IL) (PROPOSED)	N/A	N/A	COAL/COKE	2400 (2 kilns)	GOOD COMBUSTION PRACTICES	3.5	
GRAYMONT WESTERN US INC. - CRICKET MOUNTAIN	UT	8/14/2007 (Kiln #5)	COAL/PET. COKE	1400 (Kiln #5)	NOT SUPPLIED	3.6	
GALLATIN MATERIALS, LLC. - VERONA (PH,R KILNS 1 & 2)	KY	1/18/2007	COAL/PET. COKE	840 (EA)	NOT SUPPLIED	3.1	annual avg., only Kiln #1 built
CUTLER-MAGNER COMPANY - SUPERIOR (NOW GRAYMONT WESTERN US INC.)	WI-0233	8/16/2006	COAL/COKE	650	GOOD COMBUSTION PRACTICES	3.66	3
DAKOTA COAL COMPANY - WYOMING LIME PRODUCERS	N/A	4/24/2006	COAL/PETROLEUM COKE	500	PROPER DESIGN AND OPERATION OF LIME KILN	4.1	
ARKANSAS LIME COMPANY	AR-0082	8/30/2005	COAL/COKE AND NATURAL GAS	124	NOT SUPPLIED	3.5	2
WESTERN LIME CORPORATION PORT INLAND	MI-0383	6/21/2005	COAL/PET. COKE	870	NOT SUPPLIED	3.66	24 hr avg
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #7)	PA-0241	7/9/2004	COAL/PET. COKE	1050	NOT SUPPLIED	4.1	1,3
CARMEUSE LIME, INC. - MAPLE GROVE FACILITY	OH-0270	10/14/2003	COAL, COKE, NG	650	NOT SUPPLIED	45.6	8
VULCAN MATERIALS	IL-0084	10/28/2002	COAL	648	BEST COMBUSTION PRACTICES	4.5	4, 7
GRAYMONT WESTERN US, INC. - INDIAN CREEK PLANT	MT-0020	11/1/2000	COAL	500	GOOD COMBUSTION PRACTICES	4.8	2
ARKANSAS LIME COMPANY	AR-0028	9/14/1999	COAL/COKE	625	PROPER DESIGN AND OPERATION OF LIME KILN	3.5	
TEXAS LIME CO	TX-0360	8/2/1999	COAL	850	NONE INDICATED	4.4	

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USEPA RBLC Query Results Summary for SO2

COMPANY / FACILITY NAME / SOURCE	STATE / RBLC ID	PERMIT DATE	FUEL	LIME PROD. RATE (TON/DAY)	CONTROL DESCRIPTION	EMISSION FACTOR (LB/TON LIME)	NOTES
MISSISSIPPI LIME COMPANY (Prairie du Rocher, IL) (PROPOSED)	N/A	N/A	COAL/COKE	2400 (2 kilns)	INHERENT DRY SCRUBBING IN BAGHOUSE, PROPER KILN DESIGN AND OPERATION, OPTIMAL FUEL SELECTION, AND LIMESTONE FEED SELECTION	0.645	
CUTLER-MAGNER COMPANY - SUPERIOR (NOW GRAYMONT WESTERN US INC.)	WI-0233	8/16/2006	COAL/COKE	650	GOOD COMBUSTION PRACTICES MAXIMUM 2% SULFUR IN FUEL	1.0	3
GRAYMONT WESTERN US INC. - CRICKET MOUNTAIN	UT	8/14/2007 (Kiln #5)	COAL/PET. COKE	1400 (Kiln #5)	INHERENT SO2 SCRUBBING & MAX FUEL SULFUR 1.0 LB/MMBtu EXCEPT NO FUEL SULFUR LIMIT IF SO2 CEMS USED	1.01	
GALLATIN MATERIALS, LLC. - VERONA (PH, R KILNS 1 & 2)	KY	1/18/2007	COAL/PET. COKE	840 (EA)	INHERENT SO2 SCRUBBING & FUEL SULFUR EQUAL TO OR LESS THAN COMPLIANCE TEST FUEL	0.35	only Kiln #1 built
DAKOTA COAL COMPANY - WYOMING-LIME PRODUCERS	WY	4/24/2006	COAL/PETROLEUM COKE	500	PROPER DESIGN AND OPERATION OF LIME KILN (COMPLIANCE BASED ON FUEL S MONITORING AND CALCULATION)	0.58	
GRAYMONT WESTERN US INC. - PILOT PEAK PLANT	NV-0040	1/27/2006	COAL	1200	INHERENT SO2 SCRUBBING OF THE ALKALINE PROCESS OF THE KILNS, AND A LIMIT TO COMBUST 3% SULFUR CONTENT COAL	0.67	5, 8
ARKANSAS LIME COMPANY (PH, R KILNS 1, 2, & 3)	AR-0082	8/30/2005	COAL/COKE AND NATURAL GAS	687 (EA)	DRY SCRUBBING BY LIME PRODUCTION, FUEL SULFUR LIMITS: 4% S BY WT ON DAILY BASIS, OR 3% S BY WT IN FUEL ON 30-DAY ROLLING AVERAGE	1.57	3
WESTERN LIME CORPORATION PORT INLAND	MI-0383	6/21/2005	COAL/PET. COKE	870	2.5% MAX SULFUR IN FUEL, MONTHLY AVERAGE	1.66	
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #7)	PA-0241	7/9/2004	COAL/PET. COKE	1050	3.5% MAX SULFUR IN FUEL AND WET SCRUBBER	2.1	1, 3
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #6)	PA-0241	7/9/2004	COAL/PET. COKE	1200	LOW SULFUR FUEL (2.5% MAX)	6.1	
CARMEUSE LIME, INC. - MAPLE GROVE FACILITY	OH-0270	10/14/2003	COAL, COKE, NG	650	MAXIMUM FUEL SULFUR CONTENT: 5.5% COAL, 6.5% COKE	40.7	
VULCAN MATERIALS	IL-0084	10/28/2002	COAL	1296	BAGHOUSE AND SCRUBBER	2.76	4, 7
ARKANSAS LIME COMPANY	AR-0028	9/14/1999	COAL/COKE	625	DRY SCRUBBING BY LIME PRODUCTION, FUEL SULFUR LIMITS: 4% S BY WT ON DAILY BASIS, OR 3% S BY WT IN FUEL ON 30-DAY ROLLING AVERAGE	2.5	
TEXAS LIME CO (LIME KILN #6)	TX-0360	8/2/1999	COAL	850	MAXIMUM SULFUR INPUT FROM FUEL AND STONE OF 581.6 LB/HR	2.6	

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USEPA RBLC Que .esults Summary for CO

COMPANY / FACILITY NAME / SOURCE	RBLC ID	PERMIT DATE	FUEL	LIME PROD. RATE (TON/DAY)	CONTROL DESCRIPTION	EMISSION FACTOR (LB/TON LIME)	NOTES
MISSISSIPPI LIME COMPANY (Prairie du Rocher, IL) (PROPOSED)	N/A	N/A	COAL/COKE	2400 (2 kilns)	PROPER KILN DESIGN AND OPERATION	2.5	
GRAYMONT WESTERN US INC. - CRICKET MOUNTAIN	UT	8/14/2007 (Kiln #5)	COAL/PET. COKE	1400 (Kiln #5)	NOT SUPPLIED	4.0	3-hr avg
GALLATIN MATERIALS, LLC. - VERONA (PH,R KILNS 1 & 2)	KY	1/18/2007	COAL/PET. COKE	840 (EA)	NOT SUPPLIED	1.5	1-hr avg, only Kiln #1 built
CUTLER-MAGNER COMPANY - SUPERIOR (NOW GRAYMONT WESTERN US INC.)	WI-0233	8/16/2006	COAL/COKE	650	GOOD COMBUSTION PRACTICES	3.1	3
DAKOTA COAL COMPANY - WYOMING LIME PRODUCERS	N/A	4/24/2006	COAL/PET. COKE	500	PROPER DESIGN AND OPERATION OF LIME KILN	1.0	
ARKANSAS LIME COMPANY	AR-0082	8/30/2005	COAL/COKE AND NATURAL GAS	124	NOT SUPPLIED	3.0	2
WESTERN LIME CORPORATION PORT INLAND	MI-0383	6/21/2005	COAL/PET. COKE	870	NOT SUPPLIED	3.12	24 hr avg
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #6)	PA-0241	7/9/2004	COAL/PET. COKE	1200	NOT SUPPLIED	28.6	
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #7)	PA-0241	7/9/2004	COAL/PET. COKE	1050	NOT SUPPLIED	41.1	1
CARMEUSE LIME, INC. - MAPLE GROVE FACILITY	OH-0270	10/14/2003	COAL, COKE, NG	650	NOT SUPPLIED	10	8
VULCAN MATERIALS	IL-0084	10/28/2002	COAL	1296	BEST COMBUSTION PRACTICE	43.2	4, 7
TEXAS LIME CO	TX-0360	8/2/1999	COAL	850	NONE INDICATED	1.1	

USEPA RBLC Quarterly Results Summary for PM

COMPANY / FACILITY NAME / SOURCE	RBLC ID	PERMIT DATE	FUEL	LIME PROD. RATE (TON/DAY)	CONTROL DESCRIPTION	EMISSION FACTOR (LB/TON LIME)	NOTES
MISSISSIPPI LIME COMPANY (Prairie du Rocher, IL) (PROPOSED)	N/A	N/A	COAL/COKE	2400 (2 kilns)	FABRIC FILTER, 0.010 GR/DSCF (FRONT HALF)	0.14	
CUTLER-MAGNER COMPANY - SUPERIOR (NOW GRAYMONT WESTERN US INC.)	WI-0233	8/16/2006	COAL/COKE	.650	BAGHOUSE, 0.012 GR/DSCF (FRONT HALF)	0.10 (filt. & total)	
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #6)	PA-0241	7/9/2004	COAL/PET. COKE	1200	FABRIC FILTERS	0.10	
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #7)	PA-0241	7/9/2004	COAL/PET. COKE	1050	FABRIC FILTERS	0.10	1
VULCAN MATERIALS	IL-0084	10/28/2002	COAL	1296	BAGHOUSE	0.134	4, 7
TEXAS LIME CO (LIME KILN #6)	TX-0360	8/2/1999	COAL	850	NONE INDICATED	0.30	

USEPA RBLC Query Results Summary for PM10

COMPANY / FACILITY NAME / SOURCE	RBLC ID	PERMIT DATE	FUEL	LIME PROD. RATE (TON/DAY)	CONTROL DESCRIPTION	EMISSION FACTOR (LB/TON LIME)	NOTES
MISSISSIPPI LIME COMPANY (Prairie du Rocher, IL) (PROPOSED)	N/A	N/A	COAL/COKE	2400 (2 kilns)	FABRIC FILTER, 0.010 GR/DSCF (FRONT HALF)	0.14	
GRAYMONT WESTERN US INC. - CRICKET MOUNTAIN	UT	8/14/2007 (Kiln #5)	COAL/PET. COKE	1400 (Kiln #5)	BAGHOUSE OUTLET - 0.016 GR/DSCF	0.2	
DAKOTA COAL COMPANY - WYOMING LIME PRODUCERS	N/A	4/24/2006	COAL/PET. COKE	500	BAGHOUSE WITH MAXIMUM OUTLET PM GRAIN LOADING OF 0.01 GRAINS/DSCF	0.17	
ARKANSAS LIME COMPANY	AR-0082	8/30/2005	COAL/COKE AND NATURAL GAS	124	BAGHOUSE	0.10	2
WESTERN LIME CORPORATION PORT INLAND	MI-0383	6/21/2005	COAL/PET. COKE	870	FABRIC FILTERS & USE OF PROPANE OR NO. 2 OIL W/NO STONE FEED FOR STARTUP	0.27	12-month rolling average
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #6)	PA-0241	7/9/2004	COAL/PET. COKE	1200	FABRIC FILTERS	0.10	
GRAYMONT PA INC - BELLEFONTE PLANT (Kiln #6)	PA-0241	7/9/2004	COAL/PET. COKE	1200	FABRIC FILTERS	0.10	
CARMEUSE LIME - MAPLE GROVE FACILITY	OH-0270	10/14/2003	COAL, COKE, NG	650	BAGHOUSE WITH MAXIMUM OUTLET PM GRAIN LOADING OF 0.021 GRAINS/DSCF	0.50	8
TEXAS LIME CO (LIME KILN #6)	TX-0360	8/2/1999	COAL	850	NONE INDICATED	0.25	

USEPA RBLC Query Results Summary for PM2.5

COMPANY / FACILITY NAME / SOURCE	RBLC ID	PERMIT DATE	FUEL	LIME PROD. RATE (TON/DAY)	CONTROL DESCRIPTION	EMISSION FACTOR (LB/TON LIME)	NOTES
MISSISSIPPI LIME COMPANY (Prairie du Rocher, IL) (PROPOSED)	N/A	N/A	COAL/COKE	2400 (2 kilns)	FABRIC FILTER, 0.010 GR/DSCF (FRONT HALF) FOR DIRECT PM2.5 AND CONTROL OF SO2 AND NOX FOR INDIRECT PM2.5.		