



JAN 11 2010

Thomas C. McDonald
Westminster Ceramics, LLC
1445 Rock Mountain Blvd.
Stone Mountain, GA 30083

Re: Notice of Preliminary Decision - Emission Reduction Credits
Project Number: S-1091518

Dear Mr. McDonald:

Enclosed for your review and comment is the District's analysis of Westminster Ceramics, LLC's application for Emission Reduction Credits (ERCs) resulting from the shutdown of Westminster Ceramics, at 3901 E. Brundage Lane in Bakersfield, California. The quantity of ERCs proposed for banking is 17 lb-VOC, 289 lb-NOx, 244 lb-CO, 1253 lb-PM10 and 9 lb-SOx.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day public comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. David Torii of Permit Services at 661-392-5620.

Sincerely,

David Warner
Director of Permit Services

DW: DBT/cm

Enclosures

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



JAN 11 2010

Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

Re: Notice of Preliminary Decision - Emission Reduction Credits
Project Number: S-1091518

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of Westminster Ceramics, LLC's application for Emission Reduction Credits (ERCs) resulting from the shutdown of Westminster Ceramics, at 3901 E. Brundage Lane in Bakersfield, California. The quantity of ERCs proposed for banking is 17 lb-VOC, 289 lb-NOx, 244 lb-CO, 1253 lb-PM10 and 9 lb-SOx.

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JAN 11 2010

Gerardo C. Rios (AIR 3)
Chief, Permits Office
Air Division
U.S. E.P.A. - Region IX
75 Hawthorne Street
San Francisco, CA 94105

Re: Notice of Preliminary Decision - Emission Reduction Credits
Project Number: S-1091518

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of Westminster Ceramics, LLC's application for Emission Reduction Credits (ERCs) resulting from the shutdown of Westminster Ceramics, at 3901 E. Brundage Lane in Bakersfield, California. The quantity of ERCs proposed for banking is 17 lb-VOC, 289 lb-NOx, 244 lb-CO, 1253 lb-PM10 and 9 lb-SOx.

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David Warner
Director of Permit Services

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Bakersfield Californian
Bakersfield Californian

NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED ISSUANCE OF
EMISSION REDUCTION CREDITS

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Unified Air Pollution Control District solicits public comment on the proposed issuance of Emission Reduction Credits to Westminster Ceramics, LLC for the shutdown of Westminster Ceramics, at 3901 E. Brundage Lane in Bakersfield, California. The quantity of ERCs proposed for banking is 17 lb-VOC, 289 lb-NOx, 244 lb-CO, 1253 lb-PM10 and 9 lb-SOx.

The analysis of the regulatory basis for this proposed action, Project #S-1091518, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. Written comments on this project must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 34946 FLYOVER COURT, BAKERSFIELD, CA 93308-9725.

San Joaquin Valley Air Pollution Control District

ERC Application Review

Facility Name: Westminster Ceramics, LLC
Mailing Address: 1445 Rock Mountain Bl.
Stone Mountain, GA 30083
Contact Person: Thomas C. McDonald
Telephone: 770-938-8308
Project #: 1091518
Submitted: March 19, 2009

Date: DEC 21 2009
Engineer: David Torii
Lead Engineer: Rich Karrs

RWK 12-21-09

I. Summary:

Westminster Ceramics, LLC (Westminster) was a ceramic tile manufacturing facility in Bakersfield, CA.

All of the facility's equipment was shutdown in late 2008, the permits have been canceled and the applicant has applied to bank the emission reduction resulting from the shutdown.

The following emission reductions have been found to qualify for ERC banking certificates S-3258-1 (VOC), S-3258-2 (NOx), S- S-3258-3 (CO), S- S-3258-4 (PM₁₀), and S- S-3258-5 (SOx):

Summary of ERC Amounts					
Pollutant	ERC Number	1 st Qtr ERCs (lb/qtr)	2 nd Qtr ERCs (lb/qtr)	3 rd Qtr ERCs (lb/qtr)	4 th Qtr ERCs (lb/qtr)
VOC	S-3258-1	5	4	4	4
NOx	S-3258-2	86	63	73	67
CO	S-3258-3	73	53	61	57
PM10	S-3258-4	373	329	313	238
SOx	S-3258-5	3	2	2	2

II. Applicable Rules:

Rule 2201 New and Modified Stationary Source Review Rule (9/21/06)
Rule 2301 Emission Reduction Credit Banking (12/17/92)

III. Location of Reduction:

The physical location of the equipment involved with this application is 3901 E. Brundage Ln., Bakersfield.

IV. Equipment

- S-1536-1: SPECIAL TILE BODY PREPARATION SYSTEM, INCLUDING 2000 LBM CAPACITY RIBBON BLENDER, 3' DIA BY 8' LONG, SIMPSONS MIX-MULLER MODEL 2FG, 6'8" DIA., SHAKER SCREEN, TWO BUCKET ELEVATORS, ALL SERVED BY RELIANCE 108-54 BAGHOUSE W/PULSE CLEANING & EXHAUST FAN
- S-1536-2: TILE PRESS #8 WITH FETTLING TABLE, MULLER MIXER, AND SANDING STATION ALL SERVED BY NORBLO MODEL 112AS TWO COMPARTMENT FABRIC COLLECTOR WITH CONTINUOUS SHAKER TYPE CLEANING MECHANISM, EXHAUST FAN AND DUCTWORK SERVING TILE PRESSES S-1536-2, '3, '4, '5, '6, AND '14
- S-1536-3: TILE PRESS #9 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2
- S-1536-4: TILE PRESS #10 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2
- S-1536-5: TILE PRESS #11 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2
- S-1536-6: TILE PRESS #12 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2
- S-1536-7: DRYING AND FIRING OPERATION #1 INCLUDING 4.98 MMBTU/HR WP KEITH CO FASTRAK TUNNEL TYPE BISQUE KILN #1 WITH EIGHTEEN 0.25 MMBTU/HR AND TWELVE 0.04 MMBTU/HR NATURAL GAS-FIRED BURNERS, TWO BLOWERS AND EXHAUST DUCTING TO BISQUE DRYERS #1, 2, 3, 4, AND 5
- S-1536-8: TILE PRESS #1 WITH FETTLING TABLE SERVED BY NORBLO MODEL 112AS TWO COMPARTMENT FABRIC COLLECTOR WITH DUCTWORK SERVING TILE PRESSES S-1536-9, '10, '11', '12, AND '13, CONTINUOUS SHAKER TYPE CLEANING MECHANISM, AND EXHAUST FAN
- S-1536-9: TILE PRESS #2 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-8
- S-1536-10: TILE PRESS #3 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN S-1536-8
- S-1536-11: TILE PRESS #4 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN S-1536-8

- S-1536-12: TILE PRESS #5 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-8
- S-1536-13: TILE PRESS #6 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-8
- S-1536-14: TILE PRESS #7 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2
- S-1536-15: SPECIAL SHAPE TILE PRESS #13
- S-1536-16: SPECIAL SHAPE TILE PRESS #14
- S-1536-20: GLAZE LINE #1 INCLUDING 10 3/4 HP TOTAL DRIVES, 1 5/6 HP TOTAL CLEANERS, 3/4 HP BREAKER, GLAZE SPRAY BOOTHS WITH STYROFOAM FILTERS, A-1 INDUSTRIAL SALES #42 WET SCRUBBER WITH FAN, AND 4.5 MMBTU/HR GAS-FIRED KILN #1
- S-1536-21: BALL MILL #1 SERVED BY PITTER SINGLE COMPARTMENT FABRIC COLLECTOR WITH INTERMITTENT AIR SHAKER TYPE CLEANING MECHANISM, EXHAUST FAN, AND DUCTWORK SERVING BALL MILLS S-1536-22, '23, '24, AND 25
- S-1536-22: BALL MILL #1 SERVED BY PITTER SINGLE COMPARTMENT FABRIC COLLECTOR WITH INTERMITTENT AIR SHAKER TYPE CLEANING MECHANISM, EXHAUST FAN, AND DUCTWORK SERVING BALL MILLS S-1536-22, '23, '24, AND 25
- S-1536-23: BALL MILL #2 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22
- S-1536-24: BALL MILL #3 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22
- S-1536-25: BALL MILL #4 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22
- S-1536-26: STORAGE SILO #1 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING
- S-1536-27: STORAGE SILO #2 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING
- S-1536-28: STORAGE SILO #3 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

- S-1536-29: TILE BODY PREPARATION SYSTEM WITH 2,000 LB BATCH HOPPER WITH SCALE, SCREW CONVEYOR WITH BAG DUMP HOPPER, FABRIC COLLECTOR, 6 SCREW CONVEYORS, RIBBON BLENDER, 2 SIMPSON #2FG MIX-MULLERS, COM-BIN FEEDER, SWECO SHAKER SCREEN, AND REDLER PRESS FEED CONVEYOR
- S-1536-32: SPECIAL SHAPE REWORK AREA, INCLUDING RADIUS GRINDER(S), ABRASIVE TILE SAW(S), BELT AND DISC TYPE SANDER(S), CUT OFF SAW ALL SERVED BY CUSTOM FABRIC COLLECTOR WITH SHAKER CLEANING MECHANISM AND EXHAUST FAN
- S-1536-36: TEST GLAZE AND SPECIAL PRODUCTS SPRAY LINE INCLUDING CONVEYOR DRIVE(S), MULTI-STATION VENTILATED GLAZE SPRAY BOOTH(S) WITH STYROFOAM FILTERS, CENTRIFUGAL SEPARATOR (SCRUBBER) W/ WATER SPRAY AND EXHAUST FAN, AND CONVEYOR DRIVES
- S-1536-40: EXTRUSION LINE WITH RIBBON BLENDER VENTILATED TO FABRIC COLLECTOR RELOCATED FROM PERMIT S-1536-32

IV. Method of Generating Reductions:

Westminster Ceramics produced ceramic tile for residential and business applications. Green bisque was formed in Building A by mixing raw materials such as talc, clay, and process scrap in ball mills and ribbon blenders. After blending, water was added to the dry ingredients to obtain a moisture content of approximately 6% by weight. The wet material was transferred to tile presses where it was formed into the desired shape. After passing through the press, the green bisque was processed at a fettling table to remove excess material. A fabric collector was utilized to collect the wet material from the fettling tables and return it to the ribbon blender. The green bisque was then stacked on carts for drying in one of five separate dryers. Blowers transfer the hot exhaust gases from the roller kiln to the dryers. Natural gas fueled the kiln to complete the firing process of the bisque. Glaze was sprayed onto the tile in booths within enclosed Building B. There were eleven spray booths along with three glaze spray lines located in Building B. The booths were equipped with "styropad" styrofoam filter pads which collected the bulk of the over spray prior to exhausting. The over spray then drained back into the bottom of the booth to be reclaimed. The exhaust of the spray booths was controlled via a wet scrubber located outside of the building. See building and equipment location drawing in Appendix A.

V. Calculations:

A. Assumptions and Emission Factors

Assumptions and emission factors are presented below with each Historical Actual Emissions (HAE) calculation.

B. Baseline Period Determination and Data

Pursuant to District Rule 2201, Section 3.8, the baseline period for determining actual historical emissions for banking purposes shall be a period of time equal to either:

3.8.1 the two consecutive years of operation immediately prior to the submission date of the Complete Application; or

3.8.2 at least two consecutive years within the five years immediately prior to the submission date of the Complete Application if determined by the APCO as more representative of normal source operation; or

3.8.3 a shorter period of at least one year if the emissions unit has not been in operation for two years and this represents the full operational history of the emissions unit, including any replacement units; or

3.8.4 zero years if an emissions unit has been in operation for less than one year (only for use when calculating AER).

The ERC application was submitted on March 19, 2009. Owing the economic downturn beginning in 2008 and the company's bankruptcy in November 2008, the facility's operations during the two consecutive years of operation immediately prior to the submission date of the Complete Application were not considered representative of normal operations.

Section 3.8.2 of Rule 2201 allows for another consecutive two year period if it is representative of normal operation and is within 5 yrs of submission of the complete ERC application i.e. a two-year period beginning before March 19, 2009. The time period from 1st Quarter 2006 through 4th Quarter 2007 was considered to be representative of normal source operation and was therefore selected as the baseline period.

C. Historical Actual Emissions (HAE) = Actual Emissions Reductions (AER) for a shutdown

Historical Actual Emissions (HAE) are emissions having actually occurred, calculated using process data and recognized emission factors, per Rule 2201 Section 3.22.

District staff visited the facility to review records kept during the baseline period to confirm that it supported the data submitted by the applicant that was used to calculate HAE.

1. Special Tile Body Preparation System HAE

S-1536-1: SPECIAL TILE BODY PREPARATION SYSTEM, INCLUDING 2000 LBM CAPACITY RIBBON BLENDER, 3' DIA BY 8' LONG, SIMPSONS MIX-MULLER MODEL 2FG, 6'8" DIA., SHAKER SCREEN, TWO BUCKET ELEVATORS, ALL SERVED BY RELIANCE 108-54 BAGHOUSE W/PULSE CLEANING & EXHAUST FAN

Assumptions:

- Each of the permit unit's emission units processed the total throughput of the special tile body preparation system.
- Mixing in the ribbon blender and the Simpsons Mix-Muller is a closed operation with no emissions; therefore, their emissions are only from loading their contents.
- The permit unit's other emissions are from the shaker screen and bucket elevator.

S-1536-1 Emission Factors		
Mix-Muller	0.0024 lb-PM10/ton	AP-42 Table 11.2-12. Weigh hopper loading
Bucket Elevators	4.6×10^{-5} lb-PM10/ton	AP-42 Table 11.19.2-2. Conveyor Transfer Point (controlled)
Shaker Screen	0.0022 lb-PM10/ton	AP-42 Table 11.19.2-2. Fines Screening (controlled)

S-1536-1		
2006	Throughput	
	Total Lbs	Total Tons
Quarter 1	203,145	101.57
Quarter 2	129,556	64.78
Quarter 3	238,256	119.13
Quarter 4	103,024	51.51

S-1536-1		
2007	Throughput	
	Total Lbs	Total Tons
Quarter 1	109,608	54.80
Quarter 2	118,144	59.07
Quarter 3	160,196	80.10
Quarter 4	52,823	26.41

Quarter	S-1536-1 Throughput tons		
	2006	2007	2006/2007 Average
1	101.57	54.80	78.2
2	64.78	59.07	61.9
3	119.13	80.10	99.6
4	51.51	26.41	39.0

Combined Emission Factor		
S-1536-1 Equipment	Emission Factor (lb-PM10/ton)	Source of Emission Factor
Mix-Muller bucket elevator	0.0024	AP-42 Table 11.2-12 Weigh hopper loading
bucket elevator	4.6×10^{-5}	AP-42 Table 11.19.2-2 Conveyor Transfer Point (controlled)
bucket elevator	4.6×10^{-5}	
shaker screen	0.002	AP-42 Table 11.19.2-2 Fines Screening (controlled)
Total:	0.004	

HAE—S-1536-1			
Quarter	Throughput (2006/2007 average) tons	Emission Factor (lb-PM10/ton)	HAE (lbs)
1st	78.2	0.004	0
2nd	61.9		0
3rd	99.6		0
4th	39.0		0

2. Tile Presses: S-1536-2, '3, '4, '5, '6, '8, '9, '10, '11, '12, '13 and '14 HAE

Assumptions and Emission Factor:

- Tile press operation is a wet process and is enclosed; therefore, emissions are negligible (AP-42 11.7-3). All emissions from the tile press permit units are from cutting and fettling their production (tiles).
- 0.03 lb of material fettled or cut from each tile piece.
- 100% of fettled or cut material was captured.
- fabric collector control efficiency is 99%.

2006 Material Cut and Fettled from pieces (tiles)		
	Total Number of Pieces	lbs Cut and/or Fettled Away
Quarter 1	127,922	3838 (127,922x0.03)
Quarter 2	171,451	5144
Quarter 3	71,151	2135
Quarter 4	85,390	2562

2007 Material Cut and Fettled from pieces (tiles)		
	Total Number of Pieces	lbs Cut and/or Fettled Away
Quarter 1	215,924	6478
Quarter 2	183,389	5502
Quarter 3	244,217	7327
Quarter 4	81,285	2439

	lbs Cut and/or Fettled Away			HAE (lbs)
	2006	2007	2006/2007 Average	
Quarter 1	3838	6478	5158	5158x0.01 = 52
Quarter 2	5144	5502	5323	53
Quarter 3	2135	7327	4731	47
Quarter 4	2562	2439	2501	25

3. Kiln and Glazing HAE

- S-1536-7: DRYING AND FIRING OPERATION #1 INCLUDING 4.98 MMBTU/HR WP KEITH CO FASTRAK TUNNEL TYPE BISQUE KILN #1 WITH EIGHTEEN 0.25 MMBTU/HR AND TWELVE 0.04 MMBTU/HR NATURAL GAS-FIRED BURNERS, TWO BLOWERS AND EXHAUST DUCTING TO BISQUE DRYERS #1, 2, 3, 4, AND 5
- S-1536-20: GLAZE LINE #1 INCLUDING 10 3/4 HP TOTAL DRIVES, 1 5/6 HP TOTAL CLEANERS, 3/4 HP BREAKER, GLAZE SPRAY BOOTHS WITH STYROFOAM FILTERS, A-1 INDUSTRIAL SALES #42 WET SCRUBBER WITH FAN, AND 4.5 MMBTU/HR GAS-FIRED KILN #1
- S-1536-21: GLAZE LINE #2 INCLUDING 10 3/4 HP TOTAL DRIVES, 1 1/3 HP TOTAL CLEANERS, 3/4 HP BREAKER, PERMIT EXEMPT BELL GLAZER, VENTED GLAZE SPRAY BOOTHS, A-1 INDUSTRIAL SALES #42 WET SCRUBBER WITH FAN, AND 4.5 MMBTU/HR GAS-FIRED KILN #2

Assumptions:

- Kiln fired on PUC gas.
- Fuel heating value: 1,000 Btu/cf
- Natural gas usage records were not maintained for individual kilns; the records are for the combined fuel use of all three kilns.
- The facility maintained records of the quantity of glaze used for 2006. For 2007 records of the quantity of glaze used were not maintained; therefore, 2007's glaze used was calculated based on the quantity of tile glazed and the following assumptions:
 - One gallon glaze was used to cover 30 sq ft of tile.
 - Glaze density = 10 lb/gal
 - Tile weighs 3.5 lb/ft²

Emission Factors		
		Source of Emission Factor
Kiln (combustion products)	0.1 lb-NOx/MMBtu	AP-42 Table 1.4-1
	0.003 lb-SOx/MBtu	mass balance
	0.008 lb-PM10/MMBtu	AP-42 Table 1.4-1
	0.084 lb-CO/MMBtu	AP-42 Table 1.4-1
	0.006 lb-VOC/MMBtu	AP-42 Table 1.4-1
Bisque Kiln	0.49 lb-PM/ton (0.25 lb-PM10/ton)	AP-42 Table 11.7-1 Firing-- natural gas-fired kiln
Glaze Kilns	0.067 lb-PM/ton (0.034 lb- PM10/ton)	AP-42 Table 11.7-1 Refiring-- natural gas-fired kiln
Glaze Spraying	1.8 lb-PM/ton-glaze 0.9 lb-PM10/ton-glaze	AP-42 Table 11.7-1 Ceramic glaze spray booth with wet scrubber

S-1536-7, '20 and '21 Kiln Natural Gas Consumption (cubic feet)			
quarter	2006	2007	2006/2007 Average
1 st	1,014,300	902,900	958,600
2 nd	690,800	710,400	700,600
3 rd	770,800	847,900	809,350
4 th	817,000	678,600	747,800

S-1536-20 and '21 Total Tons Glaze Used	
2006	
Quarter 1	79.51
Quarter 2	44.93
Quarter 3	60.47
Quarter 4	49.28

S-1536-20 and '21			
2007	Total lbs. tile glazed	Total ft ² glazed	Total Tons Glaze Used
Quarter 1	1,373,451	392,415	65.40
Quarter 2	1,570,277	448,651	74.78
Quarter 3	1,171,264	334,647	55.77
Quarter 4	792,472	226,421	37.74

S-1536-20 and '21			
Quarter	Total Tons Glaze Used		
	2006	2007	2006/2007 Average
1 st	79.51	65.40	72.5
2 nd	44.93	74.78	59.9
3 rd	60.47	55.77	58.1
4 th	49.28	37.74	43.5

HAE's from Glaze Spraying was calculated as follows:

$$(72.5 \text{ tons-glaze})(0.9 \text{ lb-PM10/ton-glaze}) = 65.3$$

S-1536-20 and '21	
Quarter	HAE from Glaze Spraying (lbs-PM10)
1 st	65.3
2 nd	53.9
3 rd	52.3
4 th	39.2

Kilns' combustion product emissions was calculated as follows:

$$(0.1 \text{ lb-NOx/MMBtu})(958,600 \text{ cf})(0.001 \text{ MMBtu/cf}) = 96 \text{ lb-NOx}$$

HAE Combustion Product Emissions From Kilns S-1536-7, '20 and '21 (lbs)					
quarter	NOx	SOx	PM10	CO	VOC
1 st	96	3	8	81	6
2 nd	70	2	6	59	4
3 rd	81	2	6	68	5
4 th	75	2	6	63	4

Assumptions used to calculate HAE from Bisque Firing From Kiln S-1536-7.

- All pressed and extruded tile was fired in the bisque kiln.

Material Fired in Bisque Kiln S-1536-7 (tons)			
quarter	2006	2007	2006/2007 Average
1 st	1137	823	980
2 nd	684	1040	862
3 rd	698	954	826
4 th	805	513	659

Bisque Kiln's non combustion product PM10 emissions calculated as follows:

$$(980 \text{ ton})(0.25 \text{ lb-PM10/ton}) = 245 \text{ lb-PM10}$$

PM10 HAE (non combustion product) From Bisque Kiln S-1536-7	
quarter	lbs
1 st	245
2 nd	216
3 rd	207
4 th	165

Material Fired in Glaze Kilns S-1536-20 and '21 (tons)			
quarter	2006	2007	2006/2007 Average
1 st	835	687	761
2 nd	472	785	629
3 rd	635	586	611
4 th	517	396	457

Glaze Kilns' non combustion product PM10 emissions calculated as follows:

$(761 \text{ ton})(0.034 \text{ lb-PM10/ton}) = 26$

PM10 HAE (non combustion product) From Glaze Kilns S-1536-20 and '21	
quarter	lbs
1 st	26
2 nd	21
3 rd	21
4 th	16

4. Ball Mill HAE

- S-1536-22: BALL MILL #1 SERVED BY PITTER SINGLE COMPARTMENT FABRIC COLLECTOR WITH INTERMITTENT AIR SHAKER TYPE CLEANING MECHANISM, EXHAUST FAN, AND DUCTWORK SERVING BALL MILLS S-1536-22, '23, '24, AND 25
- S-1536-23: BALL MILL #2 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22
- S-1536-24: BALL MILL #3 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22
- S-1536-25: BALL MILL #4 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22

Assumptions used to calculate ball mills' throughput:

- Ball mills only emit PM10.
- Ball mills' emissions are only from material loading into ball mills.
- Glaze water content is 26%.
- Ball mills' dry material throughput is $(1 - 0.26)(\text{glaze used})$

Ball Mill Emission Factor		
		Source of Emission Factor
Emission Factor for Ball Mill Loading	0.0024 lb-PM10/ton	AP-42 Table 11.2-12 Weigh hopper loading

2006	Total Tons glaze used	Ball Mills' Dry Material Throughput (tons)
Quarter 1	79.51	58.8
Quarter 2	44.93	33.2
Quarter 3	60.47	44.7
Quarter 4	49.28	36.5

2007	Total lbs. tile glazed	Total ft ² glazed	Total Tons Glaze Used	Ball Mills' Dry Material Throughput (tons)
Quarter 1	1,373,451	392,415	65.40	48.4
Quarter 2	1,570,277	448,651	74.78	55.3
Quarter 3	1,171,264	334,647	55.77	41.3
Quarter 4	792,472	226,421	37.74	27.9

Ball Mills' Dry Material Throughput (tons)			
quarter	2006	2007	2006/2007 Average
1 st	58.8	48.4	54
2 nd	33.2	55.3	44
3 rd	44.7	41.3	43
4 th	36.5	27.9	32

Ball mills' PM10 emissions calculated as follows:

$$(54 \text{ ton})(0.0024 \text{ lb-PM10/ton}) = 0$$

PM10 HAE From Ball Mills S-1536-22, '23, '24 and '25	
quarter	lbs
1 st	0
2 nd	0
3 rd	0
4 th	0

5. Silos' HAE

S-1536-26: STORAGE SILO #1 (2,000 CU.FT) WITH INCLINED SCREW

CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

S-1536-27: STORAGE SILO #2 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

S-1536-28: STORAGE SILO #3 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

Assumptions used to calculate silos' throughput:

- Silos' emit only PM10.
- Silos only process talc during baseline period.
- A 1200 lb batch of white body (RMBTXC4) contains 750 lbs talc (62.5%)
- 62.5% of RMBTXC4 production/quarter equals silo's throughput

Emission Factor		
		Source of Emission Factor
Silo loading	0.00034 lb-PM10/ton	AP-42 Table 11.2-12 Cement unloading to elevated storage

Silos S-1536-26, '27 and '28	
2006	Throughput (total tons)
Quarter 1	636.4
Quarter 2	367.9
Quarter 3	366.3
Quarter 4	474.7

Silos S-1536-26, '27 and '28		
2007	Throughput (total tons)	
	RMBTXC4	Silos' Throughput
Quarter 1	878	878 x 625 = 549
Quarter 2	990	619
Quarter 3	908	568
Quarter 4	734	459

Silos S-1536-26, '27 and '28			
Silos' Throughput			
quarter	2006	2007	2006/2007 Average
1 st	636.4	549	593
2 nd	367.9	619	493
3 rd	366.3	568	467
4 th	474.7	459	467

Silos' PM10 emissions calculated as follows:

$$(593 \text{ ton})(0.00034 \text{ lb-PM10/ton}) = 0$$

PM10 HAE From Silos S-1536-26, '27 and '28 (lbs)		
quarter	2006	2007
1 st	0	0
2 nd	0	0
3 rd	0	0
4 th	0	0

6. TILE BODY PREPARATION SYSTEM HAE

S-1536-29: TILE BODY PREPARATION SYSTEM WITH 2,000 LB BATCH HOPPER WITH SCALE, SCREW CONVEYOR WITH BAG DUMP HOPPER, FABRIC COLLECTOR, 6 SCREW CONVEYORS, RIBBON BLENDER, 2 SIMPSON #2FG MIX-MULLERS, COM-BIN FEEDER, SWECO SHAKER SCREEN, AND REDLER PRESS FEED CONVEYOR

Assumptions:

- Each of the tile body preparation system's emission units handles the permit unit's total production.

S-1536-29 Equipment	Emission Factor (lb-PM10/ton)	Source of Emission Factor
Batch Hopper	0.0024	AP-42 Table 11.2-12 Weigh hopper loading
bag dump hopper	0.0024	AP-42 Table 11.2-12 Weigh hopper loading
ribbon blender	0.0024	AP-42 Table 11.2-12 Weigh hopper loading
2 simpson #2fg mix-mullers	2 x 0.0024 = 0.0048	AP-42 Table 11.2-12 Weigh hopper loading
com-bin feeder	0.0024	AP-42 Table 11.2-12 Weigh hopper loading
sweco shaker screen	0.0022	AP-42 Table 11.19.2-2 Fines Screening (controlled)
6 screw conveyors	$6 \times 4.6 \times 10^{-5} = 2.8 \times 10^{-4}$	AP-42 Table 11.19.2-2 Conveyor Transfer Point (controlled)
redler press feed conveyor	4.6×10^{-5}	AP-42 Table 11.19.2-2 Conveyor Transfer Point (controlled)
shaker screen	0.0022	AP-42 Table 11.19.2-2 Fines Screening (controlled)
Total:	0.0191	

S-1536-29 Total Production (tons)			
Quarter	2006	2007	2006/2007 Average
1 st	1068.88	894	981
2 nd	623.92	1017	820
3 rd	675.84	943	809
4 th	773.08	750	762

Tile body preparation system PM10 emissions calculated as follows:

$$(981 \text{ ton})(0.0191 \text{ lb-PM10/ton}) = 20.4$$

PM10 HAE From Tile Body Preparation System S-1536-29 (lbs)	
Quarter	
1 st	19
2 nd	16
3 rd	15
4 th	14

7. Extrusion Line HAE

S-1536-40: EXTRUSION LINE WITH RIBBON BLENDER VENTILATED TO FABRIC COLLECTOR RELOCATED FROM PERMIT S-1536-32

Assumptions used to calculate extrusion line's throughput:

- Extrusion line only emits PM10.
- Extrusion line emissions are from material loading into extruder.

Equipment	Emission Factor	Source of Emission Factor
Extrusion Line	0.0024 lb-PM10/ton	AP-42 Table 11.2-12 Weigh hopper loading

S-1536-40 Total Production			
Quarter	2006	2007	2006/2007 Average
1 st	68.84	22.92	46
2 nd	60.19	32.42	46
3 rd	22.50	52.78	38
4 th	32.93	17.21	25

Tile extrusion line's PM10 emissions calculated as follows:

$$(46 \text{ ton})(0.0024 \text{ lb-PM10/ton}) = 0$$

PM10 HAE From Extrusion Line S-1536-40	
Quarter	lbs
1 st	0
2 nd	0
3 rd	0
4 th	0

D. Actual Emissions Reductions (AER)

Pursuant to Section 3.2 of Rule 2201, AER shall be in excess of the reductions:

Section 3.2.2.1 - Required or encumbered by any laws, rules, regulations, agreement, or orders:

Historical Actual Emissions from the subject operations were calculated using data that reflected compliance with all Permit to Operate conditions and District Rules. Therefore, the Historical Actual Emissions calculated in section C are in excess of reductions required or encumbered by any laws, rules, regulations, agreement, or orders.

Section 3.2.2.2 - Attributed for a control measure noticed for workshop, or proposed or contained in a State Implementation plan:

There are no control measures noticed for workshop or include in the air quality attainment plan that apply to this equipment.

Section 3.2.2.3 - Proposed in the District's adopted air quality plan for attaining the reductions required by the California Clean Air Act:

The current extreme ozone attainment demonstration plan (revised 10/20/05) and PM_{2.5} plan (adopted 4/30/08) have no control measures that apply to the subject operation's equipment.

E. Actual Emissions Reductions (AER)

The AER, prior to the Air Quality Improvement Deduction (AQID), are shown below:

Actual Emission Reductions (AER)				
(Prior to subtracting AQID)				
Pollutant	1st Qtr. AER (lb/qtr)	2nd Qtr. AER (lb/qtr)	3rd Qtr. AER (lb/qtr)	4th Qtr. AER (lb/qtr)
VOC	6	4	5	4
NO _x	96	70	81	75
CO	81	59	68	63
PM ₁₀	415	366	348	265
SO _x	3	2	2	2

F. Air Quality Improvement Deduction

The Air Quality Improvement Deduction (AQID) is 10% of the AER per Rule 2201, Sections 3.5 and 4.12.1, and is summarized as follows:

Air Quality Improvement Deduction (AQID)				
Pollutant	AQID (lb/qtr)			
	1 st Qtr.	2 nd Qtr	3 rd Qtr	4 th Qtr
VOC	1	0	1	0
NO _x	10	7	8	8
CO	8	6	7	6
PM ₁₀	42	37	35	27
SO _x	0	0	0	0

G. Increases in Permitted Emissions (IPE)

There is no IPE is associated with this project.

H. Bankable Emissions Reductions Credits

The bankable emissions reductions credits, presented in following table, are determined by subtraction of the Air Quality Improvement Deduction (discussed in Section V.F) from the AER.

Bankable Emissions Reductions Credits (ERCs)				
Pollutant	1 st Qtr ERCs (lb/qtr)	2 nd Qtr ERCs (lb/qtr)	3 rd Qtr ERCs (lb/qtr)	4 th Qtr ERCs (lb/qtr)
VOC	5	4	4	4
NO _x	86	63	73	67
CO	73	53	61	57
PM ₁₀	373	329	313	238
SO _x	3	2	2	2

VI. Compliance:

To comply with the definition of Actual Emissions Reductions (Rule 2201, Section 3.2.1), the reductions must be:

A. Real

The emissions reductions were generated by the shutdown of the facility and the permits have been surrendered. The emissions reductions were calculated from actual historic production data and recognized emission factors. Therefore, the allowed reductions are real.

B. Enforceable

The PTOs for all of the facility's equipment have been surrendered. Therefore, the reductions are enforceable.

C. Quantifiable

Reduction amounts were calculated from historic process throughput data, EPA emission factors. Therefore, the reductions are quantifiable.

D. Permanent

All of the equipment at the site has been shutdown and the PTOs have been surrendered. Therefore, it can be determined that the emissions reductions in this project are permanent.

E. Surplus

The resulting emission reductions determined to be available for banking are not permanently mandated by any law, rule, regulation, agreement, or order of the District, State, or Federal Government. No other control measures noticed for workshop or contained in a State Implementation Plan apply. Therefore, the remaining AER is surplus.

F. Not used for the Approval of an Authority to Construct or as Offsets

The emission reduction credits generated by the shutdown of the subject equipment were not used for the approval of any Authority to Construct or as offsets.

G. Timely submittal

Section 5.5 of Rule 2301 – Emissions Reduction Credit Banking (12/17/92) states that ERC certificate applications for reductions shall be submitted within 180 days after the emission reduction occurs. The ERC application was received on March 19, 2009.

Section 3.11 of Rule 2301 states that shutdown shall mean either the earlier of the permanent cessation of emissions from an emitting unit or the surrender of that unit's operating permit provided the unit has not been removed or fallen into an inoperable and unmaintained condition such that startup would require an investment exceeding 50% of the current replacement cost. Westminster filed for bankruptcy on November 14, 2008. Therefore, the shutdown date is considered to be November 14, 2009. Therefore, the application was submitted in a timely fashion.

VII. Recommendation:

Pending a successful Public Noticing period, issue Emission Reduction Credit Certificates for Westminster Ceramics as follows:

Draft ERCs are included in Appendix C.

Bankable Emissions Reductions Credits (ERCs)					
Pollutant	ERC Number	1 st Qtr ERCs (lb/qtr)	2 nd Qtr ERCs (lb/qtr)	3 rd Qtr ERCs (lb/qtr)	4 th Qtr ERCs (lb/qtr)
VOC	S-3258-1	5	4	4	4
NOx	S-3258-2	86	63	73	67
CO	S-3258-3	73	53	61	57
PM10	S-3258-4	373	329	313	238
SOx	S-3258-5	3	2	2	2

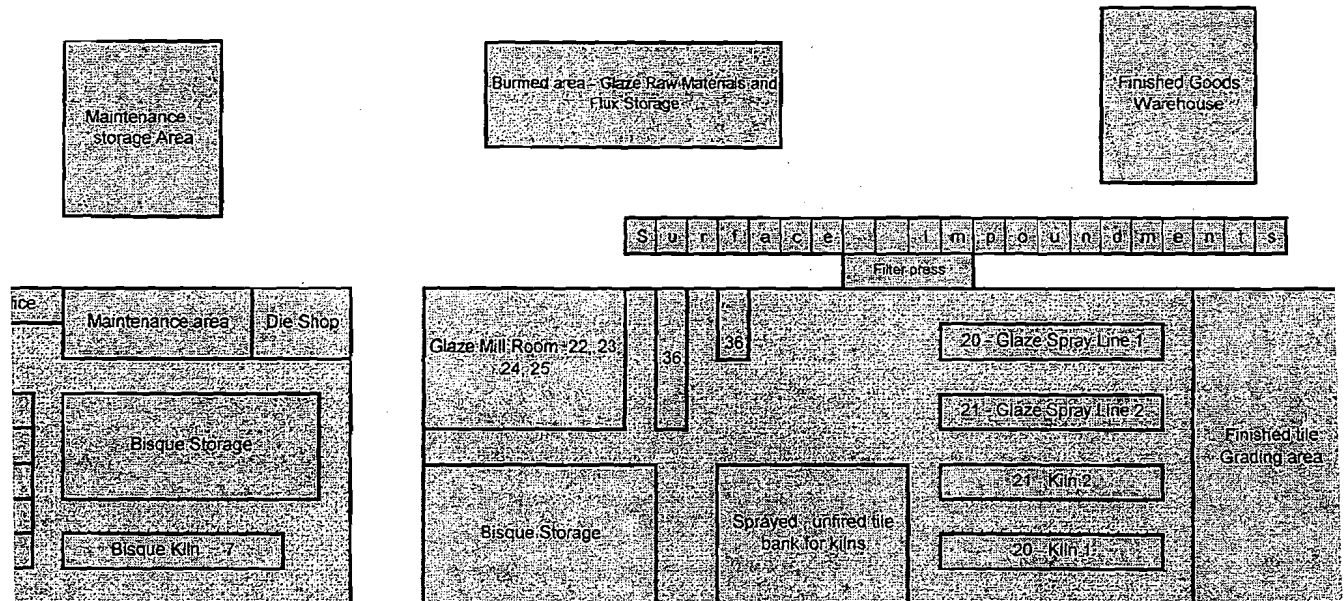
Appendix A

Building and Equipment Location Drawing

APCD Permit key - See Map Below for Location of Permitted Operations

description of permitted equipment	code	Bldg	Permit Number	description of permitted equipment
Permit to Operate Facility	16	A	S-1536-16-0	Tile Press #14 – hand press
Special Tile Body Prep	20	B	S-1536-20-4	Glaze Line #1/ Kiln #1 (by South Wall)
Tile Press #8 (S-1536-2-4 ATC)	21	B	S-1536-21-5	Glaze Line #2/ Kiln #2 (center of Bldg & Bell)
Tile Press #9	22	B	S-1536-22-1	Ball Mill #1
Tile Press #10	23	B	S-1536-23-1	Ball Mill #2
Tile Press #11	24	B	S-1536-24-1	Ball Mill #3
Tile Press #12	25	B	S-1536-25-1	Ball Mill #4
Bisque Kiln (S-1536-7-4 ATC)	26	A	S-1536-26-1	Storage Silo #1
Tile Press #1	27	A	S-1536-27-1	Storage Silo #2
Tile Press #2	28	A	S-1536-28-1	Storage Silo #3
Tile Press #3	29	A	S-1536-29-2	Big Batch Plant (ATC S-1536-29-2)
Tile Press #4	32	A	S-1536-32-4	Fettling Area/ Disc Sander (ATC S-1536-32-4)
Tile Press #5	36	B	S-1536-36-2	Mini Line (ATC S-1536-36-4)
Tile Press #6	40	A	S-1536-40-0	Extrusion Line & Dust Collector (PTO S-1536-32)
Tile Press #7	41	B	S1536-41-0	Tile crusher
Tile Press #13 – hand press				

Building B
Glazing operations



Appendix B

Surrendered Permits to Operate

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-1-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

SPECIAL TILE BODY PREPARATION SYSTEM, INCLUDING 2000 LBM CAPACITY RIBBON BLENDER, 3' DIA BY 8' LONG, SIMPSONS MIX-MULLER MODEL 2FG, 6'8" DIA., SHAKER SCREEN, TWO BUCKET ELEVATORS, ALL SERVED BY RELIANCE 108-54 BAGHOUSE W/PULSE CLEANING & EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Fabric collector shall be equipped with operational differential pressure indicator. [District Rule 2201]
4. PM10 emissions from talc screen shall not exceed 0.0 lb/day. [District Rule 2201 and CH&SC 41700]
5. Throughput shall not exceed 28,000 lb/day. [District Rule 2201 and CH&SC 41700]
6. PM10 emissions shall not exceed 0.18 lb/ton. [District Rule 2201 and CH&SC 41700]
7. All ventilation ducts shall be equipped with 9/16 in. dia. capped pitot ports in accessible locations. [District Rule 1081]
8. All ductwork shall be sized to provide a minimum duct transport velocity of 3,500 fpm. [District Rule 2201]
9. Fabric collector air-to-cloth ratio shall not exceed 6.34 cfm/sq.ft. and shall be equipped with a minimum of 592 sq.ft. of filter cloth. [District Rule 2201]
10. All material transfer points shall be fully enclosed with dust collection hoods ventilated to fabric collector. [District Rule 2201]
11. Material shall not be loaded into ribbon blender bag dump hopper unless fabric collector exhaust fan is operating. [District Rule 2201]
12. All dust collected by fabric collector shall be returned to process through enclosed recycle system. [District Rule 2201]
13. Reverse pulse jet fabric cleaning system shall operate at 100 psig and cleaning cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
14. Visible emissions from baghouse serving this operation and all transfer points shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
15. Particulate matter (PM-10) emissions shall not exceed 2.5 lb/day. [District Rule 2201]
16. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
17. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent laboratory within 60 days after detection of visible emissions. [District Rule 1081]
18. Official test results and field data shall be submitted to District within 60 days after source test. [District Rule 1081]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. Permittee shall keep daily records of special tile body preparation system operation throughput for a period of five years and shall make such records available for District inspection upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-2-4

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #8 WITH FETTLING TABLE, MULLER MIXER, AND SANDING STATION ALL SERVED BY NORBLO MODEL 112AS TWO COMPARTMENT FABRIC COLLECTOR WITH CONTINUOUS SHAKER TYPE CLEANING MECHANISM, EXHAUST FAN AND DUCTWORK SERVING TILE PRESSES S-1536-2, '3, '4, '5, '6, AND '14

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201 and CH&SC 41700]
5. PM10 emissions from detail sanding operation shall not exceed 0.5 lb/day. [District Rule 2201 and CH&SC 41700]
6. PM10 emissions from Muller Mixer shall be less than 0.5 lb/day. [District Rule 2201]
7. Muller Mixer and detailed sander shall vent only to fabric collector. [District Rule 2201 and CH&SC 41700]
8. Muller Mixer and detailed sander shall operate only when fabric collector is in operation. [District Rule 2201 and CH&SC 41700]
9. All ventilation ducts shall be equipped with 9/16 in. dia. capped pitot ports in accessible locations. [District Rule 1081]
10. All ductwork shall be sized to provide a minimum duct transport velocity of 3,000 fpm. [District Rule 2201]
11. Fabric collector shaker type cleaning mechanism cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
12. Fabric collector shall be equipped with operational differential pressure indicator. [District Rule 2201]
13. All dust collected by fabric collector shall be returned to process through enclosed recycle system. [District Rule 2201]
14. Fabric collector air-to-cloth ratio shall not exceed 7.72 cfm/sq.ft. and shall be equipped with a minimum of 676 sq.ft. of filter cloth. [District Rule 2201]
15. Visible emissions from fabric collector serving the tile presses, fettling table, sanding stations, and Muller mixer shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
16. Process weight rate of tile press #'s 1-7 (S-1536-2, '3, '4, '5, '6, and '14) shall not exceed 81 ton/day without prior District approval. [District Rule 2201 and CH&SC 41700]
17. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-2, '3, '4, '5, '6, and '14 shall not exceed 4.4 lb/day. [District Rule 2201 and CH&SC 41700]
18. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent laboratory within 60 days after detection of visible emissions. [District Rule 1081]
20. Official test results and field data shall be submitted to District within 60 days after source test. [District Rule 1081]
21. Permittee shall keep daily records of combined daily throughput to tile presses for a period of five years and shall make such records available for District inspection upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-3-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #9 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Process weight rate of tile press #'s 1-7 (permit units S-1536-2, '3, '4, '5, '6, and '14) shall not exceed 81 ton/day without prior District approval. [District Rule 2201]
7. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-2, '3, '4, '5, '6, and '14 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-3-1 Apr 21 2009 5 09PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-4-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #10 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Process weight rate of tile press #'s 1-7 (permit units S-1536-2, '3, '4, '5, '6, and '14) shall not exceed 81 ton/day without prior District approval. [District Rule 2201]
7. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-2, '3, '4, '5, '6, and '14 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-5-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #11 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Process weight rate of tile press #'s 1-7 (permit units S-1536-2, '3, '4, '5, '6, and '14) shall not exceed 81 ton/day without prior District approval. [District Rule 2201]
7. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-2, '3, '4, '5, '6, and '14 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-6-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #12 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Process weight rate of tile press #'s 1-7 (permit units S-1536-2, '3, '4, '5, '6, and '14) shall not exceed 81 ton/day without prior District approval. [District Rule 2201]
7. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-2, '3, '4, '5, '6, and '14 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-6-1, Apr 21 2009 3:09PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-7-4

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

DRYING AND FIRING OPERATION #1 INCLUDING 4.98 MMBTU/HR WP KEITH CO FASTRAK TUNNEL TYPE BISQUE KILN #1 WITH EIGHTEEN 0.25 MMBTU/HR AND TWELVE 0.04 MMBTU/HR NATURAL GAS-FIRED BURNERS, TWO BLOWERS AND EXHAUST DUCTING TO BISQUE DRYERS #1, 2, 3, 4, AND 5

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. Bisque kiln shall be fired on PUC quality natural gas only, at a rate of no more than 108,000 scf/day. [District Rule 2201]
5. Bisque dryers shall be unfired and shall receive heat only from the kiln. [District Rule 2201]
6. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 106.76 lb-NO_x/MMscf, 1.57 lb-SO_x/MMscf, 4.62 lb-PM₁₀/MMscf, 21.39 lb-CO/MMscf, or 4.90 lb-VOC/MMscf. [District Rule 2201]
7. Permittee shall maintain accurate records of daily fuel consumption. [District Rule 2201]
8. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-8-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #1 WITH FETTLING TABLE SERVED BY NORBLO MODEL 112AS TWO COMPARTMENT FABRIC COLLECTOR WITH DUCTWORK SERVING TILE PRESSES S-1536-9, '10, '11, '12, AND '13, CONTINUOUS SHAKER TYPE CLEANING MECHANISM, AND EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. All dust collected by fabric collector shall be returned to process through enclosed recycle system. [District Rule 2201]
5. Fabric collector shall be equipped with operational differential pressure indicator. [District Rule 2201]
6. Fabric collector shaker type cleaning mechanism cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
7. All ductwork shall be sized to provide a minimum duct transport velocity of 3,000 fpm. [District Rule 2201]
8. All ventilation ducts shall be equipped with 9/16 in. dia. capped pitot ports in accessible locations. [District Rule 1081]
9. Fabric collector air-to-cloth ratio shall not exceed 3.94 cfm/sq.ft. and shall be equipped with a minimum of 1,325 sq.ft. of filter cloth. [District Rule 2201]
10. Press shall operate only when fabric collector is in operation. [District Rule 2201]
11. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
12. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
13. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]
14. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent laboratory within 60 days after detection of visible emissions. [District Rule 1081]
15. Official test results and field data shall be submitted to District within 60 days after source test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-8-1 Apr 21 2009 5:09PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-9-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #2 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-8

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-10-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #3 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN S-1536-8

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-10-1 Apr 21 2009 5:09PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-11-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #4 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN S-1536-8

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-12-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #5 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-8

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-12-1 Apr 21 2009 4:08PM -- GARIHERO

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-13-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #6 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-8

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-14-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE PRESS #7 WITH FETTLING TABLE SERVED BY FABRIC COLLECTOR LISTED IN PERMIT S-1536-2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Press discharge and fettling table brushes shall be equipped with ventilation hoods vented to fabric collector. [District Rule 2201]
4. Press shall operate only when fabric collector is in operation. [District Rule 2201]
5. Press, fettling table and fabric collector shall not be the source of visible emissions in excess of 5 percent opacity, or 1/4 Ringelmann. [District Rule 2201]
6. Process weight rate of tile press #'s 1-7 (S-1536-2, '3, '4, '5, '6, and '14) shall not exceed 81 ton/day without prior District approval. [District Rule 2201]
7. Particulate matter (PM-10) emissions from fabric collector serving permit units S-1536-8, '9, '10, '11, '12, and '13 shall not exceed 3.86 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-15-0

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:
SPECIAL SHAPE TILE PRESS #13

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Only hand finishing shall be performed. [District Rule 2201]
3. Press shall not be the source of detectable visible emissions in excess of zero percent opacity. [District Rule 2201]
4. Particulate matter (PM-10) emissions from this permit unit shall not exceed 0.00 lb/hr. [District Rule 2201]
5. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
6. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
7. Official test results and field data shall be submitted to District within 60 days after source test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-15-0 Apr 21 2009 5 10PM .. GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-16-0

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:
SPECIAL SHAPE TILE PRESS #14

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Only hand finishing shall be performed. [District Rule 2201]
3. Press shall not be the source of detectable visible emissions in excess of zero percent opacity. [District Rule 2201]
4. Particulate matter (PM-10) emissions from this permit unit shall not exceed 0.00 lb/hr. [District Rule 2201]
5. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
6. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
7. Official test results and field data shall be submitted to District within 60 days after source test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-16-0 Apr 21 2009 5:10PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-20-4

EXPIRATION DATE: 05/31/2014

SECTION: NW3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

GLAZE LINE #1 INCLUDING 10 3/4 HP TOTAL DRIVES, 1 5/6 HP TOTAL CLEANERS, 3/4 HP BREAKER, GLAZE SPRAY BOOTHS WITH STYROFOAM FILTERS, A-1 INDUSTRIAL SALES #42 WET SCRUBBER WITH FAN, AND 4.5 MMBTU/HR GAS-FIRED KILN #1

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Glaze line shall include 6 in. dia. by 6 in. wide abrasive flapwheel and 9 in. dia. brush at entrance to spray line. [District Rule 2010]
3. Glaze line shall include Pangborn model #CD-1 size 1 single compartment fabric collector with intermittent manual shakedown type cleaning and exhaust fan serving flapwheel and brush (shared with S-1536-21). [District Rule 2201]
4. Glaze line shall include ductwork from glaze kiln cooling section to dryer. [District Rule 2010]
5. Fabric collector shall be equipped with an operational differential pressure indicator. [District Rule 2201]
6. Fabric collector air-to-cloth ratio shall not exceed 3.83 cfm/sq.ft. and shall be equipped with a minimum of 180 sq.ft. of filter cloth. [District Rule 2201]
7. Fabric collector shaker type cleaning mechanism cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
8. All dust collected by fabric collector shall be returned to process through enclosed recycle system. [District Rule 2201]
9. Flapwheel and brush shall be equipped with ventilation hood vented to fabric collector. [District Rule 2201]
10. Flapwheel, brush, and fabric collector shall not be sources of detectable emissions. [District Rule 2201]
11. Flapwheel and brush shall operate only when fabric collector is in operation. [District Rule 2201]
12. Spray booths and ventilation system shall be designed and operated to provide a minimum indraft velocity of 100 ft/min throughout all booth openings. [District Rule 2201]
13. Each spray booth shall be equipped with filters at inlet to ventilation system. [District Rule 2201]
14. Spray booth filters shall be in place and clean to insure compliance wherever glaze is sprayed. [District Rule 2201]
15. Ventilation system ducts shall be sized to provide a minimum duct transport velocity of 3,000 ft/min and each duct shall be equipped with 9/16 in. dia. capped pitot port in accessible location. [District Rule 2201]
16. Centrifugal separator (scrubber) water spray and exhaust fan shall operate whenever glaze is sprayed. [District Rule 2201]
17. Tile breaker, top brush, edge cleaners, glaze spray booths, centrifugal separator (scrubber), and blowdown sump shall not emit detectable visible emissions. [District Rule 2201]
18. No volatile organic compound (VOC) containing compounds shall be utilized. [District Rule 2201]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. Only natural gas shall be used as fuel in glaze kiln. [District Rule 2201]
20. Batch dryer shall be unfired and shall receive waste heat only from cooling section of glaze kiln. [District Rule 2201]
21. Particulate matter (PM-10) emissions shall not exceed any of the following limits: centrifugal separator (scrubber) exhaust: 1.5 lb/day; glaze kiln total: 0.5 lb/day; or baghouse exhaust: 1.4 lb/day. [District Rule 2201]
22. Glaze kiln emission rates shall not exceed any of the following limits: 0.1 lb-SO_x/day, 15.1 lb-NO_x/day, 0.3 lb-VOC/day, or 3.8 lb-CO/day. [District Rule 2201]
23. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
24. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
25. Compliance with PM-10 emission limit shall, if visible emissions greater than 5 percent opacity or 1/4 Ringelmann are detected, be demonstrated by District-witnessed source test within 60 days after detection of visible emissions. [District Rule 1081]
26. Official test results and field data shall be submitted to the District within 60 days after source test. [District Rule 1081]
27. The following test method shall be used for PM10: ARB Method 501, in combination with ARB 5 or EPA Method 8. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-21-5

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

GLAZE LINE #2 INCLUDING 10 3/4 HP TOTAL DRIVES, 1 1/3 HP TOTAL CLEANERS, 3/4 HP BREAKER, PERMIT EXEMPT BELL GLAZER, VENTED GLAZE SPRAY BOOTHS, A-1 INDUSTRIAL SALES #42 WET SCRUBBER WITH FAN, AND 4.5 MMBTU/HR GAS-FIRED KILN #2

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Glaze spray line shall include 6 in. dia. by 6 in. wide abrasive flapwheel and 9 in. dia. brush at entrance to spray line. [District Rule 2010]
3. Glaze spray line shall include Pangborn model #CD-1 size I single compartment fabric collector with intermittent manual shakedown type cleaning, and 1.5 hp exhaust fan serving flapwheel and brush (listed in S-1536-20). [District Rule 2201]
4. Operation may include a permit exempt bell glazer. [District Rule 2020]
5. Flapwheel and brush shall operate only when fabric collector is in operation. [District Rule 2201]
6. Flapwheel, brush, and fabric collector shall not be sources of detectable emissions. [District Rule 2201]
7. Tile breaker, top brush, edge cleaners, glaze spray booths, centrifugal separator (scrubber), and blowdown sump shall not emit detectable visible emissions. [District Rule 2201]
8. Centrifugal separator (scrubber) water spray and exhaust fan shall operate wherever glaze is sprayed. [District Rule 2201]
9. Spray booth mesh filters shall be in place and clean whenever glaze is sprayed. [District Rule 2201]
10. No volatile organic compound (VOC) containing compounds shall be utilized. [District Rule 2201]
11. Only PUC quality natural gas shall be used as fuel in glaze kiln. [District Rule 2201]
12. Particulate matter (PM-10) emission rate from the centrifugal separator (scrubber) exhaust shall not exceed 2.5 lb/day. [District Rule 2201]
13. Emission rates from glaze kiln shall not exceed any of the following limits: 0.5 lb-PM10/day, 0.0 lb-SOx/day, 10.8 lb-NOx/day, 0.5 lb-VOC/day, or 2.2 lb-CO/day. [District Rule 2201]
14. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
15. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
16. Compliance with PM-10 emission limit shall, if visible emissions greater than 5 percent opacity or 1/4 Ringelmann are detected, be demonstrated by District-witnessed source test within 60 days after detection of visible emissions. [District Rule 1081]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

17. The following test method shall be used for PM10: ARB Method 501, in combination with ARB 5 or EPA Method 8. [District Rule 1081]
18. Official test results and field data shall be submitted to the District within 60 days after source test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-22-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

BALL MILL #1 SERVED BY PITTER SINGLE COMPARTMENT FABRIC COLLECTOR WITH INTERMITTENT AIR SHAKER TYPE CLEANING MECHANISM, EXHAUST FAN, AND DUCTWORK SERVING BALL MILLS S-1536-22, '23, '24, AND 25

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Batch weigh hopper shall be equipped with ventilation hood vented to fabric collector. [District Rule 2201]
3. Fabric collector shall be equipped with operational differential pressure indicator. [District Rule 2201]
4. Fabric collector shaker type cleaning mechanism cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
5. All dust collected by fabric collector shall be returned to process through enclosed recycle system. [District Rule 2201]
6. All ventilation ducts shall be equipped with 9/16 in. dia. capped pitot ports in accessible locations. [District Rule 1081]
7. All ductwork shall be sized to provide a minimum duct transport velocity of 3,000 fpm. [District Rule 2201]
8. Fabric collector air-to-cloth ratio shall not exceed 4.04 cfm/sq.ft. and shall be equipped with a minimum of 612 sq.ft. of filter cloth. [District Rule 2201]
9. Material shall not be loaded into ball mill batch weigh hopper unless fabric collector exhaust fan is operating. [District Rule 2201]
10. Ball mill, batch weight hopper and fabric collector shall not be sources of detectable visible emissions in excess of 20 percent opacity or Ringelmann I. [District Rule 2201]
11. Particulate matter (PM-10) emissions from fabric collector serving S-1536-22, '23, '24, and '25 shall not exceed 1.5 lb/day. [District Rule 2201]
12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
13. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]
14. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
15. Official test results and field data shall be submitted to the District within 60 days after source test. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-23-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

BALL MILL #2 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Batch weigh hopper shall be equipped with ventilation hood vented to fabric collector. [District Rule 2201]
4. Material shall not be loaded into ball mill batch weigh hopper unless fabric collector exhaust fan is operating. [District Rule 2201]
5. Ball mill, batch weight hopper and fabric collector shall not be sources of detectable visible emissions in excess of 20 percent opacity or Ringelmann I. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving S-1536-22, '23, '24, and '25 shall not exceed 1.5 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-23-1 Apr 21 2008 5 10PM - GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-24-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

BALL MILL #3 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Batch weigh hopper shall be equipped with ventilation hood vented to fabric collector. [District Rule 2201]
4. Material shall not be loaded into ball mill batch weigh hopper unless fabric collector exhaust fan is operating. [District Rule 2201]
5. Ball mill, batch weight hopper and fabric collector shall not be sources of detectable visible emissions in excess of 20 percent opacity or Ringelmann 1. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving S-1536-22, '23, '24, and '25 shall not exceed 1.5 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-24-1 Apr 21 2009 5 10PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-25-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

BALL MILL #4 SERVED BY FABRIC COLLECTOR LISTED IN S-1536-22

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Batch weigh hopper shall be equipped with ventilation hood vented to fabric collector. [District Rule 2201]
4. Material shall not be loaded into ball mill batch weigh hopper unless fabric collector exhaust fan is operating. [District Rule 2201]
5. Ball mill, batch weight hopper and fabric collector shall not be sources of detectable visible emissions in excess of 20 percent opacity or Ringelmann 1. [District Rule 2201]
6. Particulate matter (PM-10) emissions from fabric collector serving S-1536-22, '23, '24, and '25 shall not exceed 1.5 lb/day. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-26-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

STORAGE SILO #1 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Automatic pulse fabric cleaning mechanism shall operate at 80-100 psig and cleaning cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
4. The silo, conveyor, and all material transfer points shall be fully enclosed and dust-tight and shall vent only to the fabric collector. [District Rule 2201]
5. Silo, conveyor, fabric collector and material transfer points shall not be sources of detectable visible emissions in excess of 5 percent opacity or 1/4 Ringelmann. [District Rule 2201]
6. The fabric collector air-to-cloth ratio shall not exceed 3.00 cfm/sq.ft. and shall be equipped with a minimum of 200 sq.ft. of filter cloth. [District Rule 2201]
7. Particulate matter (PM-10) emissions from this permit unit shall not exceed 9.7 lb/day. [District Rule 2201]
8. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by a District-witnessed source test by an independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
9. The official test results and field data shall be submitted to the District within 60 days after the test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-26-1 Apr 21 2009 5:10PM - GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-27-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

STORAGE SILO #2 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Automatic pulse fabric cleaning mechanism shall operate at 80-100 psig and cleaning cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
4. The silo, conveyor, and all material transfer points shall be fully enclosed and dust-tight and shall vent only to the fabric collector. [District Rule 2201]
5. Silo, conveyor, fabric collector and material transfer points shall not be sources of detectable visible emissions in excess of 5 percent opacity or 1/4 Ringelmann. [District Rule 2201]
6. The fabric collector air-to-cloth ratio shall not exceed 3.00 cfm/sq.ft. and shall be equipped with a minimum of 200 sq.ft. of filter cloth. [District Rule 2201]
7. Particulate matter (PM-10) emissions from this permit unit shall not exceed 9.7 lb/day. [District Rule 2201]
8. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by a District-witnessed source test by an independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
9. The official test results and field data shall be submitted to the District within 60 days after the test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-27-1, Apr 21 2009 5 10PM - GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-28-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

STORAGE SILO #3 (2,000 CU.FT) WITH INCLINED SCREW CONVEYOR TO WEIGH BATCH HOPPER, 1.5 HP AERATION BLOWER, AND DYNAMIC AIR MODU-KLEEN MODEL #200 DUST FILTER WITH PULSE CLEANING

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Automatic pulse fabric cleaning mechanism shall operate at 80-100 psig and cleaning cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
4. The silo, conveyor, and all material transfer points shall be fully enclosed and dust-tight and shall vent only to the fabric collector. [District Rule 2201]
5. Silo, conveyor, fabric collector and material transfer points shall not be sources of detectable visible emissions in excess of 5 percent opacity or 1/4 Ringelmann. [District Rule 2201]
6. The fabric collector air-to-cloth ratio shall not exceed 3.00 cfm/sq.ft. and shall be equipped with a minimum of 200 sq.ft. of filter cloth. [District Rule 2201]
7. Particulate matter (PM-10) emissions from this permit unit shall not exceed 9.7 lb/day. [District Rule 2201]
8. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by a District-witnessed source test by an independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
9. The official test results and field data shall be submitted to the District within 60 days after the test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-29-1

EXPIRATION DATE: 05/31/2014

SECTION: 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TILE BODY PREPARATION SYSTEM WITH 2,000 LB BATCH HOPPER WITH SCALE, SCREW CONVEYOR WITH BAG DUMP HOPPER, FABRIC COLLECTOR, 6 SCREW CONVEYORS, RIBBON BLENDER, 2 SIMPSON #2FG MIX-MULLERS, COM-BIN FEEDER, SWECO SHAKER SCREEN, AND REDLER PRESS FEED CONVEYOR

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Dust collector serving tile body preparation system shall be Pangborn model CN-1500 with New York Blower fan model 16-1/2 type "KO-18" with 10 hp motor. [District Rule 2201]
3. Tile body preparation system shall include one bucket elevator 30 ft. 9 in. high with two-way discharge gate and magnetic separator. [District Rule 2010]
4. Tile body preparation system shall include one bucket elevator 27 ft. 6 in. in height. [District Rule 2010]
5. Com-bin feeder shall measure 7 ft. in dia. by 6 ft. high. [District Rule 2010]
6. The fabric collector shall be equipped with an operational differential pressure indicator. [District Rule 2201]
7. The fabric collector shaker-type cleaning mechanism cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
8. The fabric collector air-to-cloth ratio shall not exceed 3.83 cfm/sq.ft. and shall be equipped with a minimum of 1,500 sq.ft. of filter cloth. [District Rule 2201]
9. All ventilation ducts shall be equipped with 9/16 in. dia. capped pitot ports in accessible locations. [District Rule 1081]
10. All ductwork shall be sized to provide a minimum duct transport velocity of 3,000 fpm. [District Rule 2201]
11. All material transfer points shall be fully enclosed with dust collection hoods ventilated to the fabric collector. [District Rule 2201]
12. All dust collected by the fabric collector shall be returned to the process through an enclosed recycle system. [District Rule 2201]
13. Process equipment, material transfer points, and fabric collector shall not emit detectable visible emissions in excess of 10 percent opacity or 1/2 Ringelmann. [District Rule 2201]
14. Material shall not be loaded into ribbon blender bag dump hopper unless fabric collector exhaust fan is operating. [District Rule 2201]
15. The discharge door from the ribbon blender shall be sealed to the muller inlet chutes. [District Rule 2201]
16. Particulate matter (PM-10) emissions from this permit unit shall not exceed 19.2 lb/day. [District Rule 2201]
17. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

18. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent laboratory within 60 days after detection of visible emissions. [District Rule 1081]
19. The official test results and field data shall be submitted to the District within 60 days after source test. [District Rule 1081]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-32-4

EXPIRATION DATE: 05/31/2014

SECTION: NW 3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

SPECIAL SHAPE REWORK AREA, INCLUDING RADIUS GRINDER(S), ABRASIVE TILE SAW(S), BELT AND DISC TYPE SANDER(S), CUT OFF SAW ALL SERVED BY CUSTOM FABRIC COLLECTOR WITH SHAKER CLEANING MECHANISM AND EXHAUST FAN

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Grinder, cut-off saw and fabric collector shall not be sources of detectable visible emissions in excess of 10 percent opacity or 1/2 Ringelmann. [District Rule 2201]
4. Fabric collector shaker-type cleaning mechanism cycle shall be adjusted to maintain maximum filtering efficiency. [District Rule 2201]
5. Grinder and cut-off saw shall operate only when fabric collector is in operation. [District Rule 2201]
6. No more than two of sanding, cutting or grinding operations shall be in use at any one time. [District Rule 2201]
7. Particulate matter (PM-10) emissions from this permit unit shall not exceed 5.6 lb/day. [District Rule 2201]
8. PM10 emissions from cut off saw shall not exceed 0.5 lb/day. [District Rule 2201]
9. Cut off saw shall vent only to fabric collector. [District Rule 2201 and CH&SC 41700]
10. Total motor horsepower shall not exceed 25 hp. [District Rule 3020]
11. Compliance with PM-10 emission limit shall, if visible emissions are detected, be demonstrated by District-witnessed source test by independent testing laboratory within 60 days after detection of visible emissions. [District Rule 1081]
12. The following test method shall be used for PM10: ARB Method 501, in combination with ARB 5 or EPA Method 8. [District Rule 1081]
13. The official test results and field data shall be submitted to the District within 60 days after source test. [District Rule 1081]
14. Westminster Ceramics L.L.C. shall maintain daily records of the number of hours per day of operation for a period of two years and shall make such a records available for District inspection upon request. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-36-4

EXPIRATION DATE: 05/31/2014

SECTION: NW3 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

TEST GLAZE AND SPECIAL PRODUCTS SPRAY LINE INCLUDING CONVEYOR DRIVE(S), MULTI-STATION VENTILATED GLAZE SPRAY BOOTH(S) WITH STYROFOAM FILTERS, CENTRIFUGAL SEPARATOR (SCRUBBER) W/ WATER SPRAY AND EXHAUST FAN, AND CONVEYOR DRIVES

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Each spray booth shall be equipped with filter at inlet to ventilation system. [District Rule 2201 and CH&SC 41700]
3. Wet scrubber control efficiency shall not be less than 95%. [District Rule 2201 and CH&SC 41700]
4. Mesh filter control efficiency shall not be less than 80%. [District Rule 2201 and CH&SC 41700]
5. Spray booths and ventilation system shall be designed to provide a minimum indraft velocity of 100 ft/min throughout all booth openings. [District Rule 2201]
6. Centrifugal separator (scrubber) water spray and exhaust fan shall operate wherever glaze is sprayed. [District Rule 2201]
7. Centrifugal separator spray water to air ratio shall be maintained at no less than 5 gph/1,000 scfm. [District Rule 2201]
8. Spray booth filters shall be in place and clean whenever glaze is sprayed. [District NSR Rule and CH&SC 41700]
9. No volatile organic compound (VOC) containing compounds shall be utilized. [District Rule 2201 and CH&SC 41700]
10. Total motor horsepower shall not exceed 25 hp. [District Rule 3020]
11. Glaze spray booths, centrifugal separator (scrubber), and blowdown sump shall not emit detectable emissions. [District Rule 2201 and CH&SC 41700]
12. Glaze usage shall not exceed 1000 lb/day without prior District approval. [District Rule 2201 and CH&SC 41700]
13. Particulate matter (PM-10) emissions from the wet scrubber exhaust shall not exceed 0.5 lb/day. [District Rule 2201]
14. Compliance with PM-10 emission limit shall, if visible emissions greater than 5 percent opacity or 1/4 Ringelmann are detected, be demonstrated by District-witnessed source test within 60 days after detection of visible emissions. [District Rule 1081]
15. The following test method shall be used for PM10: ARB Method 501, in combination with ARB 5 or EPA Method 8. [District Rule 1081]
16. Official test results and field data shall be submitted to the District within 60 days after source test. [District Rule 1081]
17. Westminster Ceramics L.L.C. shall maintain daily records of glaze usage for a period of five years and shall make such records available for District inspection upon request. [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-36-4 Apr 21 2009 5 10PM -- GARNERD

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-1536-40-0

EXPIRATION DATE: 05/31/2014

EQUIPMENT DESCRIPTION:

EXTRUSION LINE WITH RIBBON BLENDER VENTILATED TO FABRIC COLLECTOR RELOCATED FROM PERMIT S-1536-32

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. Process weight rate shall not exceed 5,000 lb/day. [District Rule 2201]
4. Emissions from the baghouse serving this extrusion line shall not exceed 1.3 lb PM10/day. [District Rule 2201]
5. Visible emissions from baghouse serving this extrusion line shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour [District Rule 2201]

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: WESTMINSTER CERAMICS L.L.C.
Location: 3901 E BRUNDAGE LN, BAKERSFIELD, CA 93307-2921
S-1536-40-0 Apr 21 2009 5:11PM -- GARNERD

Appendix C
Draft Emission Reduction Credit (ERC) Certificates

San Joaquin Valley
Air Pollution Control District

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308

Emission Reduction Credit Certificate
S-3258-1

ISSUED TO: WESTMINSTER CERAMICS L.L.C.
ISSUED DATE: <DRAFT>
LOCATION OF REDUCTION: 3901 E BRUNDAGE LANE
BAKERSFIELD, CA 93307-2921

For VOC Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
5 lbs	4 lbs	4 lbs	4 lbs

Conditions Attached

Method Of Reduction

- Shutdown of Entire Stationary Source
 Shutdown of Emissions Units
 Other

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

Seyed Sadredin, Executive Director / APCO

DRAFT

David Warner, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308

Emission Reduction Credit Certificate
S-3258-2

ISSUED TO: WESTMINSTER CERAMICS L.L.C.
ISSUED DATE: <DRAFT>
LOCATION OF REDUCTION: 3901 E BRUNDAGE LANE
BAKERSFIELD, CA 93307-2921

For NOx Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
86 lbs	63 lbs	73 lbs	67 lbs

Conditions Attached

Method Of Reduction

- Shutdown of Entire Stationary Source
 Shutdown of Emissions Units
 Other

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

Seyed Sadredin, Executive Director / APCO

DRAFT

David Warner, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308

Emission Reduction Credit Certificate
S-3258-3

ISSUED TO: WESTMINSTER CERAMICS L.L.C.
ISSUED DATE: <DRAFT>
LOCATION OF REDUCTION: 3901 E BRUNDAGE LANE
BAKERSFIELD, CA 93307-2921

For CO Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
73 lbs	53 lbs	61 lbs	57 lbs

Conditions Attached

Method Of Reduction

- Shutdown of Entire Stationary Source
 Shutdown of Emissions Units
 Other

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

Seyed Sadredin, Executive Director / APCO

DRAFT

David Warner, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308

Emission Reduction Credit Certificate
S-3258-4

ISSUED TO: WESTMINSTER CERAMICS L.L.C.
ISSUED DATE: <DRAFT>
LOCATION OF REDUCTION: 3901 E BRUNDAGE LANE
BAKERSFIELD, CA 93307-2921

For PM10 Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
373 lbs	329 lbs	313 lbs	238 lbs

Conditions Attached

Method Of Reduction

- Shutdown of Entire Stationary Source
 Shutdown of Emissions Units
 Other

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

Seyed Sadredin, Executive Director / APCO

DRAFT

David Warner, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308

Emission Reduction Credit Certificate
S-3258-5

ISSUED TO: WESTMINSTER CERAMICS L.L.C.
ISSUED DATE: <DRAFT>
LOCATION OF REDUCTION: 3901 E BRUNDAGE LANE
BAKERSFIELD, CA 93307-2921

For SOx Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
3 lbs	2 lbs	2 lbs	2 lbs

Conditions Attached

Method Of Reduction

- Shutdown of Entire Stationary Source
 Shutdown of Emissions Units
 Other

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

Seyed Sadredin, Executive Director / APCO

DRAFT

David Warner, Director of Permit Services