west virginia department of environmental protection

Division of Air Quality
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 18, 2016

CERTIFIED MAIL
91 7199 9991 7035 6698 8033

Sean Adkins
Homer Laughlin China Co.
672 Fiesta Drive
Newell, WV 26034

Re: The Homer Laughlin China Co.
Newell Facility
Permit No. R13-2164E
Plant ID No. 029-00017

Dear Mr. Adkins:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-2164E is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

In accordance with 45CSR22 - Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the Certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1218.

Sincerely,

Steven R. Pursley, PE
Engineer

Enclosures
c: NPRO

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Class II Administrative Update

R13-2164E

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:
The Homer Laughlin China Company
Newell Facility
029-00017

William F. Durham
Director

Issued: February 22, 2016

This permit will supercede and replace Permit R13-2164D.

Facility Location:	Newell, Hancock County, West Virginia
Mailing Address:	672 Fiesta Drive Newell, WV 26034
Facility Description:	Dinnerware Manufacturer
NAICS Codes:	327110
UTM Coordinates:	533.25 km Easting • 4,496.7 km Northing • Zone 17
Permit Type:	Class II Administrative Update
Description of Change:	Addition of a glaze booth

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

The source is not subject to 45CSR30.

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1.0 Emission Units

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
001-01	001 Baghouses	001	Clay Silos 1, 2, 3, 4, 5, 6, 7, 8, 9	7.05 TPH 61,758 TPY Powdered Clays	11/1/79
001-02	00A Baghouse	008	Weigh Hopper	7.05 TPH 61,758 TPY Powdered Clays	11/1/79
001-03	008 Baghouse	009	Vitreous Blunging Tank, Semi-Vit Blunging Tank, Ball Clay Tank	7.05 TPH 61,758 TPY Powdered Clays	11/1/79
001-04	00S Settling Chamber w/Polishing Filters	00B	No. 4 Flat Scrap Handling Manufacturer: HLC	0.6 TPH 5,300 TPY Scrap Clay	1/1/48
001-05	013 Baghouse	01R	White Body Clay Handling Manufacturer: HLC	0.6 TPH 5,300 TPY Powdered Clays	12/1/92
002-01	None	00C	No. 4 Flat Ware Forming (Mold Release)	1.24 TPH Ware	1948
002-04	None	00C	No. 6 Quadramatic (Mold Release)	9.03 lbs/hr 39.5 TPY Tool Oil Used	1982
003-01	None	00C (Fugitive)	No. 4 Flat Automatic Dryer Manufacturer: Eclipse Model: AH160 5.3 mmBtu/hr	1.24 TPH 10,900 TPY Green Ware 5,300 cfh 46.4 mmcfy Natural Gas	1/1/48
003-02	None	00G 00H 00I	No. 5 Ram Press Dryer 1 No. 5 Ram Press Dryer 2 No. 5 Ram Press Dryer 3 Manufacturer: Eclipse; Reznor Model: AH80; EEXL8350 2.4 mmBtu/hr (total)	0.16 TPH 1,400 TPY Green Ware 2,400 cfh 21 mmcfy Natural Gas	1/1/90
003-03	None	00J	No. 6 Quadramatic Dryer Manufacturer: Eclipse; Lennox Model: AH80; 0G5-945 2.7 mmBtu/hr	1.27 TPH 11,100 TPY Green Ware 2,700 cfh 23.7 mmcfy Natural Gas	1/1/82
003-04	None	00L	No. 6 SKK Dryer A Manufacturer: SKK Model: ACFM1118; 35GW 1.2 mmBtu/hr	0.19 TPH 1,660 TPY Green Ware 1,200 cfh 10.5 mmcfy Natural Gas	1/1/91

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
003-05	None	00S	No. 6 Ram Press Dryers (1-8) Manufacturer: Eclipse Model: AH80 6.4 mmBtu/hr (total)	0.5 TPH 4,400 TPY Green Ware 6,400 cfh 56.1 mmcfy Natural Gas	1/1/95
003-06	None	00O	No. 6 Lippert Dryer (9-10) Manufacturer: Eclipse Model: AH80 0.8 mmBtu/hr (each)	0.03 TPH 260 TPY Green Ware 1,600 cfh 14 mmcfy Natural Gas	1/1/68
003-07	None	00P	No. 8 Netsch Dryer Manufacturer: Netsch 0.8 mmBtu/hr	1 TPH 8,760 TPY Green Ware 800 cfh 7 mmcfy Natural Gas	1/1/81
003-08	None	00Q	No. 8 Lippert Dryer Manufacturer: Lippert 1.2 mmBtu/hr	1.44 TPH 12,600 TPH Green Ware 1,200 cfh 10.5 mmcfy Natural Gas	1/1/92
003-0A	None	00N	No. 6 SKK Dryer B Manufacturer: SKK Model: ACFM1118; 35GW 1.2 mmBtu/hr	0.19 TPH 1,660 TPY Green Ware 1,200 cfh 10.5 mmcfy Natural Gas	1/1/91
003-0B	None	01J	No. 8 SKK Former/Dryer 1 Manufacturer: SKK Model: ACFM1118; 35GW 1.8 mmBtu/hr	0.51 TPH 4,500 TPY Green Ware 1,800 cfh 15.8 mmcfy Natural Gas	10/1/97
003-0C	None	01K	No. 8 SKK Former/Dryer 2 Manufacturer: SKK Model: ACFM1118; 35GW 1.8 mmBtu/hr	0.51 TPH 4,500 TPY Green Ware 1,800 cfh 15.8 mmcfy Natural Gas	10/1/97

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
003-0D	None	01L	No. 8 SKK Former/Dryer 3 Manufacturer: SKK Model: ACFM1118; 35GW 1.8 mmBtu/hr	0.51 TPH 4,500 TPY Green Ware 1,800 cfh 15.8 mmcfy Natural Gas	10/1/97
003-0E	None	01P	No. 6 Elmerceram #1 and #2 Manufacturer: Elmeceram Model: CSP2 4 mmBtu/hr	1.1 TPH 9,650 TPY Green Ware 4,000 cfh 35 mmcfy Natural Gas	1/1/00
004-01	00D Settling Chamber w/Polishing Filters	00M	No. 4 Flat Ware Finishing Manufacturer: HLC Model: M67	1.24 TPH 10,900 TPY Green Ware	1/1/48
004-02	011 Baghouse	00E	No. 5 Ram Press Finishing Manufacturer: HLC	0.16 TPH 1,400 TPY Green Ware	1/1/90
004-03	010 Baghouse	00F	No. 6 Ram Press Finishing Manufacturer: HLC	0.53 TPH 4,643 TPY Green Ware	1/1/95
005-01	012 Fabric Filters	00C (Fugitive)	Ware Glaze Preparation	0.25 TPH 2,200 TPY Powdered Glaze	1/1/68
005-02	00P Wet Collector	00T	No. 5 Spray Booth C Manufacturer: Phaltzgraff	0.64 TPH 5,600 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	2006
005-03	00Q Wet Collector	00U	No. 6 One Fire Line #5 Manufacturer: Phaltzgraff	0.64 TPH 5,600 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	2008
005-06	00R Wet Collector	00W	No. 5 Spray Booth D Manufacturer: Phaltzgraff	0.32 TPH 2,800 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	2014

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
005-07	00E Wet Collector	00X	#6 One Fire Line #10 Manufacturer: Farnsworth Model: No. 1	0.65 TPH 5,700 TPY Green Ware 11 gal/hr 96,360 gal/yr Glaze	1/1/92
005-08	00F Wet Collector	00Y	#6 One Fire Line #6 Manufacturer: Malkin Model 176 M/C	0.65 TPH 5,700 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	1/1/92
005-09	00G Wet Collector	00Z	#6 One Fire Line #8 Manufacturer: Cerrico	0.6 TPH 5,200 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	1/1/95
005-0A	00V Wet Collector	01H	No. 5 Spray Booth A Manufacturer: HLC	0.64 TPH 5,600 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	8/1/96
005-0B	00W Wet Collector	0AA	#8 Spray Booth #1 Manufacturer: Eisenmann	1.46 TPH 13,000 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	10/1/97
005-0D	00Y Wet Collector	01O	#6 One Fire Line #3 Manufacturer: Cerrico	0.83 TPH 7,300 TPY Green Ware 31 gal/hr 271,195 gal/yr Glaze	6/1/00
005-0E	00Z Wet Collector	01Q	No. 5 Spray Booth B Manufacturer: HLC	0.64 TPH 5,600 TPY Green Ware 31 gal/hr 271,560 gal/yr Glaze	8/1/97

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
005-0F	CEN-015 Wet Collector	01T	#6 One Fire Line #2 Manufacturer: Cerrico	0.45 TPH 4,000 TPY Ware ..... 31 gal/hr Glaze	2008
005-0G	01A Wet Collector	01U	#6 One Fire Line #6 Booth 2	1.46 TPH 13,000 TPY Green Ware ---------- 31 gal/hr Glaze	2016
006-01	None	00C	Color Room - Alcohol Oven	1.0 gal/hr Alcohol	1995
006-02	None	00C	Color Room - Exhaust	0.094 gal/hr solvent	1975
006-03	None	00C	Print Decal Room	0.019 gal/hr solvent	1996
006-04	None	00C	Decorating Department	0.034 gal/hr solvent	1968
006-05	00I Scrubber	012	Three (3) Manual Banding Booths Manufacturer: HLC	0.017 TPH 149 TPY Ware ..... 0.10 gal/hr 876 gal/yr Banding	1/1/89
006-06	00J Scrubber	013	Automatic Banding Booth Manufacturer: HLC	0.128 TPH 1,121 TPY Ware ..... 0.70 gal/hr 6,132 gal/yr Banding	1/1/89
007-01	None	014	No. 4 Small Straight Kiln Manufacturer: Harrop 6.8 mmBtu/hr	0.375 TPH 3,300 TPY Glazed Ware ..... 6,800 cfh 59.6 mmcfy Natural Gas	1/1/30
007-02	None	015	No. 4 Circle Glost Kiln Manufacturer: Allied Temptek 4.9 mmBtu/hr	0.18 TPH 1,570 TPY Glazed Ware ..... 4,900 cfh 42.9 mmcfy Natural Gas	1/1/49

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
007-03	None	016	No. 5 Bisque Kiln Manufacturer: Allied Temptek 11 mmBtu/hr	0.61 TPH 5,300 TPY Glazed Ware 11,000 cfh 96.7 mmcfy Natural Gas	1/1/30
007-04	None	017	No. 6 Decorating Kiln Manufacturer: SAS Lehr Model: D&-13458 2.5 mmBtu/hr	0.53 TPH 4,670 TPY Glazed Ware 2,500 cfh 21.9 mmcfy Natural Gas	1/1/89
007-05	None	018	No. 7 Eisenmann Kiln Manufacturer: Eisenmann Model: A65-338 17.1 mmBtu/hr	2.28 TPH 19,900 TPY Glazed Ware 17,100 cfh 149.8 mmcfy Natural Gas	1/1/92
007-06	None	019	No. 6 Glost Kiln Manufacturer: Swindell Dressler Model: 154 4.4 mmBtu/hr	0.63 TPH 5,500 TPY Glazed Ware 4,400 cfh 38.5 mmcfy Natural Gas	1/1/88
007-07	None	01A	No. 4 Lab Kiln Manufacturer: Carol Suzanne 0.7 mmBtu/hr	0.0025 TPH 21.9 TPY Glazed Ware 700 cfh 6.1 mmcfy Natural Gas	1/1/92
007-08	None	01M	No. 8 Eisenmann Kiln Manufacturer: Eisenmann 17.1 mmBtu/hr	1.5 TPH 12,900 TPY Glazed Ware 17,200 cfh 150.7 mmcfy Natural Gas	10/1/97
008-01	00K Fabric Filter	00C (Fugitive)	No. 5 Ware Foot Grinding Manufacturer: AEM Co. Model: CS-180 Dry	1.275 TPH 11,200 TPY Glazed Ware	1/1/85
008-02	00L Fabric Filter	00C (Fugitive)	No. 6 Ware Foot Grinding Manufacturer: AEM Co. Model: CS-180 Dry	4.68 TPH 41,000 TPY Glazed Ware	1/1/92

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
008-03	00X Baghouse	00C (Fugitive)	No. 8 Ware Foot Grinding Manufacturer: AEM Co.	1.5 TPH 13,140 TPY Glazed Ware	10/1/97
009-01	00N Cartridge Filter	00C	No. 5 Crank Wash Manufacturer: HLC	5 gal/hr 43,800 gal/yr Saggerwash 0.83 TPH 7,300 TPY Ware Cranks	1/1/89
009-02	00O Scrubber	01C	No. 7 Crank Wash Manufacturer: HLC	5 gal/hr 43,800 gal/yr Saggerwash 0.83 TPH 7,300 TPY Ware Cranks	1/1/92
009-03	00M Fabric Filter	00C (Fugitive)	No. 5 Crank Grinding Manufacturer: HLC	0.83 TPH 7,300 TPY Ware Cranks	1/1/89
009-04	00O Scrubber	01C	No. 7 Crank Grinding Manufacturer: HLC	0.83 TPH 7,300 TPY Ware Cranks	1/1/92
00A-01	None	00C (Fugitive)	Mold/Die Making Manufacturer: HLC	0.59 TPH 5,300 TPY Molds/Dies 150 Dies/year	1/1/28
00A-02	None	00C (Fugitive)	Multiple Mold/Die Dryers Manufacturer: HLC 3.16 mmBtu/hr	0.59 TPH 5,300 TPY Molds/Dies 3,160 cfh 27.7 mmcfy Natural Gas	1/1/65
00A-03	None	00C	Pressure Casting Shop	224 lb/hr Aggregate Components	2004
00B-01	None	01D	Arizona Furnace Manufacturer: Eclipse Model: AH-640 6.4 mmBtu/hr	6,400 cfh 56.1 mmcfy Natural Gas	1/1/90
00B-02	None	01E	Office Heat Boiler Manufacturer: Bryan Model: CL1305-150 1.5 mmBtu/hr	1,500 cfh 13.1 mmcfy Natural Gas	1/1/81
00B-03	None	00C	Solvent Degreasers	1643 hours per year	1996

Source ID	Control Device ID	Emission Point ID	Equipment Description	Capacity	Year Installed
00B-04	None	00C (Fugitive)	Residual Waste Handling Manufacturer: HLC	0.96 TPH 8,400 TPY Solid Waste	—
00B-05	Fabric Filter	00C	Pressure Blast Cabinet	150 lb/hr of shot	2003

2.0. General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments
CBI	Confidential Business Information
CEM	Continuous Emission Monitor
CES	Certified Emission Statement
C.F.R. *or* CFR	Code of Federal Regulations
CO	Carbon Monoxide
C.S.R. *or* CSR	Codes of State Rules
DAQ	Division of Air Quality
DEP	Department of Environmental Protection
dscm	Dry Standard Cubic Meter
FOIA	Freedom of Information Act
HAP	Hazardous Air Pollutant
HON	Hazardous Organic NESHAP
HP	Horsepower
lbs/hr	Pounds per Hour
LDAR	Leak Detection and Repair
M	Thousand
MACT	Maximum Achievable Control Technology
MDHI	Maximum Design Heat Input
MM	Million
MMBtu/hr *or* mmbtu/hr	Million British Thermal Units per Hour
MMCF/hr *or* mmcf/hr	Million Cubic Feet per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAPS	National Emissions Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
$PM_{2.5}$	Particulate Matter less than 2.5μm in diameter
PM_{10}	Particulate Matter less than 10μm in diameter
Ppb	Pounds per Batch
pph	Pounds per Hour
ppm	Parts per Million
Ppmv or ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration
psi	Pounds per Square Inch
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
TPY	Tons per Year
TRS	Total Reduced Sulfur
TSP	Total Suspended Particulate
USEPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
VEE	Visual Emissions Evaluation
VOC	Volatile Organic Compounds
VOL	Volatile Organic Liquids

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

2.4.1. This permit supercedes and replaces previously issued Permit R13-2164D. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2164, R13-2164A, R13-2164B, R13-2164C, R13-2164D and R13-2164E and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]

2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;

2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;

2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.

2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,

d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. **[45CSR§13-10.1]**

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]

3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]

3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

3.2.1 Emission Limit Averaging Time. Unless otherwise specified, compliance with all annual limits shall be based on a rolling twelve month total. A rolling twelve month total shall be the sum of the measured parameter of the previous twelve calendar months. Compliance with all hourly emission limits, unless specified in this permit, shall be based on the applicable NAAQS averaging times or, where applicable, as given in any approved performance test method.

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power

for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language;
2. The result of the test for each permit or rule condition; and,
3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State-Enforceable only.*]

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee.**

3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. Emissions of Hazardous Air Pollutants (HAPs) from the facility shall not exceed 10 tons per year of any individual HAP nor 25 tons per year of all HAPs combined.

4.1.2 In the event of a malfunction of an emissions control device (e.g. the minimum operating parameters are not being met, etc.) the operation of all process equipment venting to the malfunctioning emissions control device shall be terminated as soon as practical.

4.1.3 The maximum production of vitrified dinnerware through the No. 8 Eisenmann kiln shall not exceed 36 ton/day or 12,900 ton/year.

4.1.4 The glaze booths and crank washes shall operate in the following manner:

Source	Capacity (gal/hr)	Max. Spec. Gravity of glaze/Saggerwash	Max. Percent Solids of glaze/Saggerwash	Minimum Collector Efficiency
005-06	31	1.8	69.2%	97.8%
005-0A	31	1.8	69.2%	97.8%
005-0E	31	1.8	69.2%	97.8%
005-02	31	1.8	69.2%	98.9%
005-03	31	1.8	69.2%	98.9%
005-0F	31	1.8	69.2%	98.9%
005-0D	31	1.8	69.2%	98.9%
005-0G	31	1.8	69.2%	98.9%
005-08	31	1.8	69.2%	97.8%
005-09	31	1.8	69.2%	97.8%
005-07	31	1.8	69.2%	97.8%
005-0B	31	1.8	69.2%	98.9%
009-01	5	1.9	69.2%	96.4%
009-02	5	1.9	69.2%	96.4%

4.1.5 The glaze booths shall not use glazes which contain HAPs in amounts exceeding the following:

HAP	pound of HAP per gallon
Cadmium	0.007
Chromium	0.218
Cobalt	0.136
Manganese	0.08
Nickel	0.109
Selenium	0.007

4.1.6 HAP emissions from all glaze booths combined shall not exceed the following:

HAP	HAPs (tpy)
Cadmium	0.11
Chromium	0.50
Cobalt	0.28
Manganese	0.19
Nickel	0.31
Selenium	0.11
Total	**1.14**

[1]Total HAP does not equal the sum of individual HAPs due to rounding.

4.1.7 The permittee shall install, calibrate, and maintain monitoring equipment to demonstrate that the following parameters are met during all times of operation of the following particulate matter control devices:

Control Device Identification	Stabilized Static Pressure Drop (inches water)
130 EHS Scrubber 00W	12±1
Baghouse CEN-00X	8 - 4

4.1.8 The permittee shall install, calibrate, and maintain monitoring equipment on-site to demonstrate, at the permittee's discretion or upon request of the Division of Air Quality, that the following parameters are met during the operation of the following particulate matter control devices:

Control Device Identification	Maximum Air Flow Rate (acfm)
130 EHS Scrubber 00W	7000

4.1.9 The maximum natural gas usage shall not exceed the following:

Equipment Identification	Maximum Design Heat Input (MMBTU/hr)	Natural Gas Use	
		scf/hour	10^6 scf/year
No. 8 Eisenmann Kiln (007-08)	17.1	17,200	150.7
	(MMBTU/hr)	scf/day	10^6 scf/year
No. 8 SKK Dryer #1 (003-0B)	1.8	43,200	15.8
No. 8 SKK Dryer #2 (003-0C)	1.8	43,200	15.8
No. 8 SKK Dryer #3 (003-0D)	1.8	43,200	15.8

4.1.10 In the event of a malfunction of the Carter-Midac wet collector the operation of all process equipment venting to the malfunctioning emissions control device shall be terminated as soon as practical.

4.1.11 A cartridge filter, identified in permit application R13-2403B as 013, shall be installed, maintained, and operated so as to achieve a minimum 99.7% efficiency in the control of PM_{10} emissions from the pressure blast cabinet.

4.1.12 The permittee shall maintain a pressure drop across cartridge filter 013 of between 0.53 inches of water and 4.53 inches of water.

4.1.13 Emissions to the atmosphere from die making process, ID No. 005-06, shall not exceed the maximum hourly and annual rates specified below:

Emission Point ID No.	Regulated Air Pollutants		Maximum Emission Limit	
			lb/hr	ton/yr
01S	PM-10		0.025	0.002
	VOC		37.9	3.7
	HAPs	Styrene (100-42-5)	27.6	2.7
		Methyl methacrylate (80-62-6)	10.3	1.0
	Total HAPs		37.9	3.7

4.1.14 The facility shall not exceed a process weight rate of 224 pounds of aggregate components (powder, granular, resin, and water) per hour to the pressure die shop.

4.1.15 The facility shall not produce more than 150 dies during 12 consecutive months.

4.1.16 The die material composition (per batch basis) shall not exceed 4.6% methyl methacrylate by weight and 12.3% styrene by weight.

4.1.17 Proposal of new ingredients containing different hazardous constituents other than those submitted in Permit Application R13-2580 will require submittal of Material and Safety Data Sheets (MSDS) along with Potential to Emit (PTE) calculations to the Division of Air Quality via a permit determination by the permittee.

4.1.18 Emissions from the facility shall not exceed the following:

ID No.	NO_x		PM_{10}		VOC		CO		SO_2	
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
001-01	--	--	0.02	0.10	--	--	--	--	--	--
001-02	--	--	0.01	0.05	--	--	--	--	--	--
001-03	--	--	0.02	0.10	--	--	--	--	--	--
001-04	--	--	0.12	0.54	--	--	--	--	--	--
001-05	--	--	0.01	0.03	--	--	--	--	--	--
002-01	--	--	--	--	8.82	38.75	--	--	--	--
002-04	--	--	--	--	9.03	39.46	--	--	--	--
003-01	0.53	2.32	0.04	0.18	0.03	0.13	0.45	1.95	0.01	0.02

003-02	0.24	1.05	0.02	0.08	0.01	0.06	0.21	0.88	0.01	0.01
003-03	0.27	1.19	0.02	0.09	0.02	0.07	0.23	1.0	0.01	0.01
003-04	0.12	0.53	0.01	0.04	0.01	0.03	0.10	0.44	0.01	0.01
003-05	0.64	2.81	0.05	0.21	0.04	0.15	0.54	2.36	0.01	0.02
003-06	0.16	0.70	0.01	0.05	0.01	0.04	0.13	0.59	0.01	0.01
003-07	0.08	0.35	0.01	0.03	0.01	0.02	0.07	0.29	0.01	0.01
003-08	0.12	0.50	0.01	0.04	0.01	0.03	0.10	0.40	0.01	0.01
003-0A	0.12	0.53	0.01	0.04	0.01	0.03	0.10	0.44	0.01	0.01
003-0B	0.18	0.79	0.01	0.06	0.01	0.04	0.04	0.17	0.01	0.01
003-0C	0.18	0.79	0.01	0.06	0.01	0.04	0.04	0.17	0.01	0.01
003-0D	0.18	0.79	0.01	0.06	0.01	0.04	0.04	0.17	0.01	0.01
003-0E	0.40	1.75	0.03	0.13	0.02	0.10	0.34	1.47	0.01	0.01
004-01	--	--	0.78	3.43	--	--	--	--	--	--
004-02	--	--	0.10	0.44	--	--	--	--	--	--
004-03	--	--	0.33	1.47	--	--	--	--	--	--
005-01	--	--	0.01	0.03	--	--	--	--	--	--
005-02	--	--	0.26	1.13	--	--	--	--	--	--
005-03	--	--	0.26	1.13	--	--	--	--	--	--
005-06	--	--	0.52	2.26	--	--	--	--	--	--
005-07	--	--	0.52	2.26	--	--	--	--	--	--
005-08	--	--	0.52	2.26	--	--	--	--	--	--
005-09	--	--	0.52	2.26	--	--	--	--	--	--
005-0A	--	--	0.52	2.26	--	--	--	--	--	--
005-0B	--	--	0.26	1.13	--	--	--	--	--	--
005-0D	--	--	0.26	1.13	--	--	--	--	--	--
005-0E	--	--	0.52	2.26	--	--	--	--	--	--
005-0F	--	--	0.26	1.13	--	--	--	--	--	--
005-0G	--	--	0.52	2.26	--	--	--	--	--	--
006-01	--	--	--	--	7.6	5.7	--	--	--	--
006-02	--	--	--	--	0.71	3.13	--	--	--	--
006-03	--	--	--	--	0.14	0.63	--	--	--	--
006-04	--	--	--	--	0.26	1.13	--	--	--	--
006-05	--	--	0.02	0.07	--	--	--	--	--	--
006-06	--	--	0.09	0.40	--	--	--	--	--	--
007-01	0.68	2.98	0.05	0.23	0.04	0.16	0.57	2.5	0.01	0.02

007-02	0.49	2.15	0.04	0.16	0.03	0.12	0.41	1.80	0.01	0.01
007-03	1.10	4.84	0.08	0.37	0.06	0.27	0.92	4.06	0.01	0.03
007-04	0.25	1.10	0.02	0.08	0.01	0.06	0.21	0.92	0.01	0.01
007-05	1.71	7.49	0.12	0.57	0.09	0.41	1.44	6.29	0.01	0.05
007-06	0.44	1.93	0.03	0.15	0.02	0.11	0.37	1.62	0.01	0.01
007-07	0.07	0.31	0.01	0.02	0.01	0.02	0.06	0.26	0.01	0.01
007-08	1.72	7.53	0.21	0.90	0.09	0.40	0.36	1.58	0.01	0.05
008-01	--	--	0.01	0.06	--	--	--	--	--	--
008-02	--	--	0.05	0.21	--	--	--	--	--	--
008-03	--	--	0.01	0.02	--	--	--	--	--	--
009-01	--	--	0.14	0.62	--	--	--	--	--	--
009-02	--	--	0.47	2.06	--	--	--	--	--	--
009-03	--	--	0.01	0.06	--	--	--	--	--	--
009-04	--	--	0.02	0.10	--	--	--	--	--	--
00A-01	--	--	0.08	0.34	--	--	--	--	--	--
00A-02	0.32	1.39	0.02	0.11	0.02	0.08	0.27	1.16	0.01	0.01
00A-03	--	--	0.03	0.01	37.9	3.7	--	--	--	--
00B-01	0.64	2.81	0.05	0.21	0.04	0.15	0.57	2.36	0.01	0.02
00B-02	0.15	0.66	0.01	0.05	0.01	0.04	0.13	0.55	0.01	0.01
00B-03	--	--	--	--	5.8	4.7	--	--	--	--
00B-04	--	--	0.12	0.55	--	--	--	--	--	--
00B-05	--	--	0.10	0.30	--	--	--	--	--	--
Total	**10.79**	**47.29**	**8.37**	**36.38**	**70.88**	**99.8**	**7.7**	**33.43**	**0.24**	**0.38**

4.1.19 The amount of tool oil used in the No. 6 Quadramatic (id number 002-04) shall not exceed 9.03 pounds per hour nor 39.5 tons per year.

4.1.20 The amount of green ware produced in the No. 6 Ram press finishing (id number 004-03) shall not exceed 0.53 tons per hour nor 4,643 tons per year.

4.1.21 The amount of tool oil used by the entire facility shall not exceed 70 tons per year.

4.1.22 In the event of a malfunction of the CEN-015 wet collector the operation of all process equipment venting to the malfunctioning emissions control device shall be terminated as soon as practical.

4.1.23 No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted ins subsections 3.2, 3.3, 3.4, 3.5, 3.6, and 3.7 [45CSR§7-3.1.]

4.1.24 The provisions of subsection 3.1 shall not apply to smoke and/or particulate matter emitted from any process source operation which is less than forty (40) percent opacity for any period or periods aggregating no more than five (5) minutes in any sixty (60 minute period. [45CSR§7-3.2.]

4.1.25. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.2. Testing Requirements

[Reserved]

4.3. Monitoring and Recordkeeping Requirements

4.3.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

4.3.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

4.3.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.

b. Steps taken to minimize emissions during the event.

c. The duration of the event.

d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction.

f. Steps taken to correct the malfunction.

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

4.3.4. The permittee shall maintain records of throughput of the following: natural gas fuel use; vitrified dinnerware production and glaze application. In addition the permittee shall maintain operating records of air pollution control devices to demonstrate compliance with the parameters identified in section 4.1 of this permit. The records identified in this section must be maintained on-site for a minimum of five (5) years and be made available to the Director or his/her duly authorized representative upon request. Appendices A and B of permit R13-2164A shall be used as a minimum requirement for meeting this condition. A completed "Certification of Data Accuracy Form" shall appear on the reverse side of each record. The permittee may substitute equivalent forms (i.e. computer generated, existing forms with identical information) upon written approval by the Division of Air Quality.

4.3.5 For the purposes of determining compliance with the limit set forth in Condition 4.1.12, the permittee shall maintain records of the pressure drop across cartridge filter 013. The pressure drop shall be recorded in a log book once per shift while the pressure blast cabinet is operating. The records shall be certified and made available to the Director or his/her duly authorized representative upon request.

4.3.6 For the purposes of determining compliance with the limits set forth in Conditions 4.1.8, 4.1.9, 4.1.10 and 4.1.12 the permittee shall maintain certified monthly records, utilizing the form similar to Attachment A of permit R13-2403B. Such records shall be retained on-site by the permittee for at least five (5) years. Certified records shall be made available to the Director or his/her duly authorized representative upon request.

4.3.7 For the purposes of demonstrating compliance with the Specific Requirements 4.1.13, 4.1.14 and 4.1.15, the permittee shall keep the following records.

4.3.7.1 the amount of each component used (water, resin, powder, and granular) in each batch shall be recorded on a daily basis.

4.3.7.2. the amount of volatile organic compounds (VOC)/hazardous air pollutants (HAP) contained in each component used in each batch shall be recorded on a daily basis.

4.3.7.3 the number of batches mixed and the number of die castings produced on a daily basis.

4.3.7.4 the mixing and curing time for each batch shall be recorded on a daily basis.

Said records shall be made available to the Director of the Division of Air Quality or his/her duly authorized representative upon request and shall be certified by a responsible official up the submittal.

4.3.8 In order to determine compliance with tool oil usage limit set forth in Specific Requirement 4.1.19 of the permit the permittee shall maintain certified monthly records of the amount of tool oil used in the No. 6 Quadramatic. These records shall be properly maintained on site for a period not less than five (5) years and be made available to the Director, or his or her designated representative, upon request.

4.3.9 In order to determine compliance with the production limit set forth in Specific Requirement 4.1.20 of the permit the permittee shall maintain certified monthly records of the amount of green ware produced in the No. 6 Ram press finishing. These records shall be properly maintained on site for a period not less than five (5) years and be made available to the Director, or his or her designated representative, upon request.

4.3.10. In order to determine compliance with the limits set forth in Specific Requirements 4.1.4 of the permit the permittee shall maintain certified records of the amounts of glaze and Saggerwash used, the maximum solids content of any glaze or saggerwash used and the maximum specific gravity of any glaze or saggerwash used in the listed spray machines. These records shall be properly maintained on site for a period not less than five (5) years and be made available to the Director, or his or her designated representative, upon request.

4.3.11 In order to determine compliance with the emission limit set forth in Specific Requirements 4.1.5 and 4.1.6 of the permit the permittee shall maintain records of the speciated HAP content of any glazes used. These records shall be properly maintained on site for a period not less than five (5) years and be made available to the Director, or his or her designated representative, upon request.

4.3.12 In order to determine compliance with tool oil usage limit set forth in Specific Requirement 4.1.21 of the permit the permittee shall maintain certified monthly records of the amount of tool oil by the entire facility. These records shall be properly maintained on site for a period not less than five (5) years and be made available to the Director, or his or her designated representative, upon request.

4.3.13 For the purpose of determining compliance with the opacity limits of 45CSR7 , the permittee shall conduct visible emission checks and / or opacity monitoring and recordkeeping for all emission sources subject to an opacity limit.

a. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR Part 60, Appendix A, Method 22 or from the lecture portion of the 40CFR Part 60, Appendix A, Method 9 certification course.

b. Visible emission checks shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed at each source (stack, transfer point, fugitive emission source, etc.) for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of normal facility operation and appropriate weather conditions.

c. If visible emissions are present at a source(s) for three (3) consecutive monthly checks, the permittee shall conduct an opacity reading at that source(s) using the procedures and requirements of (45CSR§7A) as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A (45CSR§7A) observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions.

4.3.14. The permittee shall maintain records of all monitoring data required by Section 4.3.13 documenting the date and time of each visible emission check, the emission point or equipment / source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6-10 mph NE wind) during the visual emission check(s). An example form is supplied as Appendix A. Should a visible emission observation be required to be performed per the requirements specified in 45CSR§7A, the data records of each observation shall be maintained per the requirements of 45CSR§7A. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent.

4.4. Reporting Requirements

4.4.1. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 45CSR§7A must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature[1] _____ _____
(please use blue ink) Responsible Official or Authorized Representative Date

Name and Title _____ _____
(please print or type) Name Title

Telephone No. _____ Fax No. _____

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[1] This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

   (I) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars), or

   (ii) the delegation of authority to such representative is approved in advance by the Director;

b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or

d. The designated representative delegated with such authority and approved in advance by the Director.