PERMIT AMENDMENT NO. 3295-303-0004-V-04-1
ISSUANCE DATE:

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name:	**IMERYS - SANDERSVILLE CALCINE PLANT**
Facility Address:	**618 Kaolin Road** **Sandersville, Georgia 31082 (Washington County)**
Mailing Address:	**618 Kaolin Road** **Sandersville, Georgia 31082**
Parent/Holding Company:	**IMERYS Clays, Inc.**
Facility AIRS Number:	**04-13-303-00004**

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued an amendment to the Part 70 Operating Permit for:

Removal of several equipment from the permit due to recent sale to Thiele Kaolin Company.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit **No. 3295-303-0004-V-04-0**. Unless modified or revoked, this Amendment expires simultaneously with Permit **No. 3295-303-0004-V-04-0**. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. 592538 dated March 8, 2022; any other applications upon which this Amendment or Permit **No. 3295-303-0004-V-04-0** are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **9** pages.

DRAFT

_____

Richard E. Dunn, Director
Environmental Protection Division

Table of Contents

PART 1.0 FACILITY DESCRIPTION

PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

IMERYS - SANDERSVILLE CALCINE PLANT sold some of its equipment at this facility to Thiele Kaolin Company. The company submitted Application No. 592538 requesting affected equipment be removed from in Table 3.1, *Emission Units*, and associated permit conditions.

Table 1. Equipment No Longer Owned by IMERYS

Emission Unit ID	Emission Unit Description	Stack ID	Control Device ID	Control Device Description
M11	Bauer Premill Nos. 11, 12 (Calciner No. 3)	M11S /M12S	M11C / M12C	Baghouse[1]
M14	Bauer Postmill Nos. 14, 15, 16 (Calciner No. 3)	M14S	M14C	Baghouse
H3	Calciner No. 3 Horizontal Mill	H3S	H3C	Baghouse
C3	Calciner No. 3	C3S	C3C	Scrubber
K3	Calciner No. 3 Cooler/Conveyor	K3S	K3C	Baghouse
R26	Bulk Loading From Silo 26	R26S	R26C	Baghouse
V22	Silo No. 22	V22S	V22C	Bin Vent
V26	Silo No. 26	V26S	V26C	Bin Vent
N/A	Emergency Engine No. 3 (Insignificant)	N/A	N/A	N/A

Also, Application No. 592538 stated that "*Calciner No. 3 Horizontal Mill (H6) will be disconnected and taken out of service and should be removed from the Permit. There will be no physical or operational changes as a result of the ownership transfer.*"

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
Premills and Postmills				
M1	Bauer Premill No. 1 (Calciner No. 1)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	M1C	Baghouse
M2	Bauer Premill No. 2 (Calciner No. 1)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	M2C	Baghouse
M3	Bauer Postmill Nos. 3, 4, 5 (Calciner No. 1)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	M3C M4C	Baghouse Baghouse
M6	Bauer Premill No. 6 (Calciner No. 2)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	M6C	Baghouse
M7	Bauer Premill No. 7 (Calciner No. 2)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	M7C	Baghouse
M8	Bauer Postmill Nos. 8, 9, 10 (Calciner No. 2)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	M8C M9C	Baghouse Baghouse
M17	Bauer Premill Nos. 17, 18, 19 (Calciner No. 4)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	M17C	Baghouse
M20	Bauer Postmill Nos. 20, 21, 22 (Calciner No. 4)	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	M20C M21C	Baghouse
M35	ACM Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	M35C	Baghouse
ACM4	ACM Mill System	391-3-1-.02(2)(p) NSPS OOO	BH4	Baghouse
H1	Calciner No. 1 Horizontal Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	H1C	Baghouse
H2	Calciner No. 2 Horizontal Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	H2C	Baghouse
H4	Calciner No. 4 Horizontal Mill	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	H4C	Baghouse

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	**Description**		**ID No.**	**Description**
Spray Dryers				
SD3	Spray Dryer No. 3	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	SD3C	Baghouse
SD4	Spray Dryer No. 4	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	SD4C	Baghouse
Calciners				
C1	Calciner No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	C1C	Scrubber
C2	Calciner No. 2	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	C2C	Scrubber
C4	Calciner No. 4	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS UUU	C4C	Scrubber
Bagging Operations				
BB1	Calciner Big Bagger Hopper	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	BB1C	Baghouse
MEB1	Modified Existing Bagger	391-3-1-.02(2)(p) NSPS OOO	BH2 BH3	Baghouse
BC1	Bag Cleaner	391-3-1-.02(2)(p) NSPS OOO	BH3	Baghouse
IBCB	IBC Bagger	391-3-1-.02(2)(p) NSPS OOO	BH6 BH3	Baghouse
BFB1	Warehouse D Feed Bin	391-3-1-.02(2)(p) NSPS OOO	BH3	Baghouse
Conveyors and Conveying Systems				
BC3	Belt Conveyor No. 3	391-3-1-.02(2)(p) NSPS OOO	N/A	None
BN1	ACM Mill Surge Bin	391-3-1-.02(2)(p) NSPS OOO	N/A	None
K1	Calciner No. 1 Cooler/Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	K1C	Baghouse
K2	Calciner No. 2 Cooler/Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	K2C	Baghouse
K4	Calciner No. 4 Cooler/Conveyor	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	K4C	Baghouse
P1	Pneumatic Conveying From Silos 42 and 43	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	P1C	Baghouse
F6B	ACM4 Feed Bin	391-3-1-.02(2)(p) NSPS OOO	BH1	Baghouse

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	**Description**		**ID No.**	**Description**
BE1	Bucket Elevator BE-1	391-3-1-.02(2)(p) NSPS OOO	BH2	Baghouse
CS5	Pulverized Clay Storage Bin	391-3-1-.02(2)(p) NSPS OOO	BH5	Baghouse
Loading Operations				
R3	Spray Dryer No. 3 Railcar Loadout	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	R3C	Baghouse
R14	Bulk Loading From Silo 14	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	R14C	Baghouse
R15	Bulk Loading From Silo 15	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	R15C	Baghouse
R16	Bulk Loading From Silo 16	391-3-1-.02(2)(b) 391-3-1-.02(2)(p)	R16C	Baghouse
R24	Bulk Loading From Silo 24	391-3-1-.02(2)(b) 391-3-1-.02(2)(p)	R24C	Baghouse
R25	Bulk Loading From Silo 25	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	R25C	Baghouse
R27	Warehouse D Railcar Loadout	391-3-1-.02(2)(p) NSPS OOO	BH3	Baghouse
T1	Silo 52 Truck Loading	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	T1C	Baghouse
Small Bagging Operations				
SB1	Calciner Small Bagger Product Receiver	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	SB1C	Baghouse
SB2	Calciner Small Bagger Fugitive Dust	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	SB2C	Baghouse
Silos				
V11	Silo No. 11	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V11C	Bin Vent
V12	Silo No. 12	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V12C	Bin Vent
V13	Silo No. 13	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	V13C	Bin Vent
V14	Silo No. 14	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V14C	Bin Vent

Emission Units		Applicable	Air Pollution Control Devices	
ID No.	**Description**	**Requirements/Standards**	**ID No.**	**Description**
V15	Silo No. 15	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V15C	Bin Vent
V16	Silo No. 16	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V16C	Bin Vent
V21	Silo No. 21	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V21C	Bin Vent
V23	Silo No. 23	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	V23C	Bin Vent
V24	Silo No. 24	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V24C	Bin Vent
V25	Silo No. 25	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V25C	Bin Vent
V41	Silo No. 41	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V41C	Bin Vent
V42	Silo No. 42	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V42C	Bin Vent
V43	Silo No. 43	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V43C	Bin Vent
V51	Silo No. 51	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c) NSPS OOO	V51C	Bin Vent
V52	Silo No. 52	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 391-3-1-.02(1)(c)	V52C	Bin Vent
Miscellaneous				
GDF	Gasoline Dispensing Facility	391-3-1-.02(2)(b) 40 CFR 63 Subpart CCCCCC	N/A	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

3.2.3 The Permittee shall not exceed the PSD Increment for PM_{10} (particulate matter less than or equal to 10 micrometers aerodynamic diameter) in accordance with the 40 CFR Part 52.21 *Prevention of Significant Deterioration of Air Quality*. Specifically, the increment consuming sources listed in Table 3.2 shall not exceed the specified limit. [391-3-1-.02(1)(c)]

Table 3.2

Title V Stack Code No.	Source ID	Increment Consuming Sources	PM_{10} Emission Limit (lb/hr)
Pemills and Postmills			
H1S	H1	Calciner No. 1 Horizontal Mill	0.101
H2S	H2	Calciner No. 2 Horizontal Mill	0.050
H4S	H4	Calciner No. 4 Horizontal Mill	0.248
M1S	M1	Calciner 1, Premill No. 1	0.320
M2S	M2	Calciner 1, Premill No. 2	0.320
M3S	M3	Calciner 1, Postmills 3, 4, 5	0.283
M6S	M6	Calciner 2, Premill 6	0.324
M7S	M7	Calciner 2, Premill 7	0.324
M8S	M8	Calciner 2, Postmills 8, 9, 10	0.324
M17S	M17	Calciner 4, Premills 17, 18, 19	0.909
M20S M21S	M20	Calciner 4, Postmills 20, 21, 22	1.498
M35S	M35	ACM Mill (M35)	1.153
Conveyors and Conveying Systems			
K1S	K1	Cooler No. 1	1.642
K2S	K2	Calciner 2 Cooler	1.685
K4S	K4	Calciner 4 Cooler	3.532
BB1S	BB1	Big Bagger Hopper Bin Vent	0.067
P1S	P1	Pneumatic Conveying from Silos 42 & 43	0.342
Spray Dryers and Calciners			
SD3S	SD3	Spray Dryer No. 3	2.968
SD4S	SD4	Spray Dryer No. 4	3.452
C1S	C1	Calciner No. 1 Scrubber	1.044
C2S	C2	Calciner No. 2 Scrubber	1.171
C4S	C4	Calciner No. 4 Scrubber	2.115
Small Bagging Operations			
SB1S	SB1	Small Bagger Hopper Bin Vent	0.311
SB2S	SB2	Small Bagger Fugitive Collector	0.132
Loading Operations			
R3S	R3	Spray Dryer #3 Railcar Loading	0.238
R14S	R14	Silo 14, Railcar Loading	0.083
R15S	R15	Silo 15, Railcar Loading	0.041
R16S	R16	Silo 16, Railcar Loading	0.041
R25S	R25	Silo 25, Railcar Loading	0.083
Silos			
V11S	V11	Bin Vent, Silo 11	0.017
V12S	V12	Bin Vent, Silo 12	0.059
V13S	V13	Bin Vent, Silo No. 13	0.011
V14S	V14	Bin Vent, Silo No. 14	0.048
V15S	V15	Bin Vent, Silo No. 15	0.011

V16S	V16	Bin Vent, Silo 16	0.010
V21S	V21	Bin Vent, Silo 21	0.172
V23S	V23	Bin Vent Silo 23	0.050
V24S	V24	Bin Vent, Silo 24	0.012
V25S	V25	Bin Vent, Silo 25	0.012
V41S	V41	Bin Vent, Silo 41	0.148
V42S	V42	Bin Vent, Silo 42	0.012
V43S	V43	Bin Vent, Silo 43	0.012
V51S	V51	Bin Vent, Silo No. 51	0.087

A list of increment consuming sources subject to limits which will ensure compliance with the PSD increment. The limits are based on PM_{10} Increment Modeling received on April 06, 1998.

3.2.4 The Permittee shall burn only natural gas, propane, or No. 2 fuel oil in Calciner No. 1 (C1), Calciner No. 2 (C2), Calciner No. 4 (C4), Spray Dryer No 3 (SD3), and Spray Dryer No. 4 (SD4). The sulfur content of the No. 2 fuel oil shall not exceed 0.5 weight percent. [391-3-1-.03(2)(c) and 391-3-1-.02(2)(g)]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

5.2.1 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. A monitoring device for continuously monitoring and recording the pressure loss of the gas stream through Scrubbers C1C, C2C and C4C. The pressure drop monitoring device must be certified by the manufacturer to be accurate within 5 percent of water column gauge pressure at the level of operation.

b. A monitoring device for continuously monitoring and recording the scrubbing liquid flow rate to Scrubbers C1C, C2C and C4C. The liquid flow rate monitoring device must be certified by the manufacturer to be accurate within 5 percent of the design scrubbing liquid flow rate.

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

i. None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any period of 12 consecutive months during which the total SO2 emissions from the Calciner No. 4 (C4) are equal to or exceed 40 tons;

ii. Any incident of combustion of any fuel(s) containing more than 0.5 percent sulfur by weight;

iii. Any period of 12 consecutive months during which the fuel oil burned in Calciner No. 4 (C4) exceeds 300,000 gallons unless the Permittee can demonstrate compliance with the 40 ton per 12 month period sulfur dioxide avoidance threshold in 6.1.7.b.i above using actual sulfur content and fuel volume data;

iv. Any incident in which carrying out the testing required in Conditions 4.2.1, 4.2.2 and 4.2.3 reveals exceedance of any of the limits in Conditions 3.2.6 and 3.3.1.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. For the sources specified in condition 5.2.2, any two consecutive required daily determinations of visible emissions from the same source for which visible emissions are above the opacity action level.

ii. For Scrubbers C1C, C2C and C4C any two-hour average of the wet scrubber pressure loss that is outside of the range established in Condition 5.2.1.

iii. For Scrubbers C1C, C2C and C4C any two-hour average of the wet scrubber liquid flow rate that is less than the value established in Condition 5.2.1.

iv. Any visible emissions or mechanical failure or malfunction discovered by the walk through described in condition 5.2.5 that are not eliminated or corrected with 24 hours of first discovering the visible emissions or mechanical failure or malfunction.

v. Each occurrence when the temperature at the inlet of any baghouse specified in condition 5.2.4 exceeds the filter bag design temperature or the equivalent filter bag design temperature recorded in accordance with condition 5.2.4.

vi. Any incident in which carrying out the monitoring required in Condition 5.2.8 reveals need for taking corrective action.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

The Permittee shall report any failure to comply with the provisions of Conditions 4.2.1, 4.2.2 and 5.2.8.

ATTACHMENT A

List Of Standard Abbreviations

AIRS	Aerometric Information Retrieval System
APCD	Air Pollution Control Device
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
BTU	British Thermal Unit
CAAA	Clean Air Act Amendments
CEMS	Continuous Emission Monitoring System
CERMS	Continuous Emission Rate Monitoring System
CFR	Code of Federal Regulations
CMS	Continuous Monitoring System(s)
CO	Carbon Monoxide
COMS	Continuous Opacity Monitoring Stystem
dscf/dscm	Dry Standard Cubic Foot / Dry Standard Cubic Meter
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act
gr	Grain(s)
GPM (gpm)	Gallons per minute
H_2O (H2O)	Water
HAP	Hazardous Air Pollutant
HCFC	Hydro-chloro-fluorocarbon
MACT	Maximum Achievable Control Technology
MMBtu	Million British Thermal Units
MMBtu/hr	Million British Thermal Units per hour
MVAC	Motor Vehicle Air Conditioner
MW	Megawatt
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO_x (NOx)	Nitrogen Oxides
NSPS	New Source Performance Standards
OCGA	Official Code of Georgia Annotated

PM	Particulate Matter
PM_{10} (PM10)	Particulate Matter less than 10 micrometers in diameter
PPM (ppm)	Parts per Million
PSD	Prevention of Significant Deterioration
RACT	Reasonably Available Control Technology
RMP	Risk Management Plan
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2 (SO2)	Sulfur Dioxide
USC	United States Code
VE	Visible Emissions
VOC	Volatile Organic Compound

List of Permit Specific Abbreviations

None	

ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Mobile Sources	1. Cleaning and sweeping of streets and paved surfaces	1
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	1
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a "designated facility" as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows: i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.	
	ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.	
	iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	1
	4. Stationary engines burning: i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators shall not exceed 500 hours per year or 200 hours per year if subject to Georgia Rule 391-3-1-.02(2)(mmm).7	
	ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.	
	iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.	
	iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	3
Trade Operations	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	
	2. Portable blast-cleaning equipment.	1
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	1
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	1
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	
	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Laboratories and Testing	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	30
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	2
Pollution Control	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
Industrial Operations	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour: i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	
	iii) Kilns for firing ceramic ware.	
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	
	v) Bakery ovens and confection cookers.	
	vi) Feed mill ovens.	
	vii) Surface coating drying ovens	
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that: i) Activity is performed indoors; & ii) No significant fugitive particulate emissions enter the environment; & iii) No visible emissions enter the outdoor atmosphere.	1
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	
	5. Grain, food, or mineral extrusion processes	
	6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.	
	7. Equipment for the mining and screening of uncrushed native sand and gravel.	
	8. Ozonization process or process equipment.	
	9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	
	10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	
	12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	
	13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Storage Tanks and Equipment	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	3
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	6
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	50
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	35

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Aqueous Ammonia Storage Tank	1
Outdoor Painting	1
Propane Vaporizer and Emergency Flare	1
Densifier	6

ATTACHMENT B (continued)

GENERIC EMISSION GROUPS

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)
None				

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d).Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	0
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	1
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	0