

# Part 70 Operating Permit Amendment

Permit Amendment No.: 3321-301-0012-V-03-3      Effective Date: August 20, 2008

**Facility Name:**            **TRW Warrenton Foundry**

**Facility Address:**        975 Thomson Highway  
Warrenton, Georgia 30828 (Warren County)

**Mailing Address:**        P.O. Box 232  
Warrenton, Georgia 30828

**Parent/Holding  
Company:**                Kelsey Hayes Company

**Facility AIRS Number:**    04-13-301-00012

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 a construction permit for:

The installation of bin vents 820A, 821A, 840A, 841A, 880, 881, 882 and 883 and rerouting the shot blast units (source code 270 and 370) to existing finishing baghouse (Source Code 830).

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

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 Permit Amendment and Permit No. 3321-301-0012-V-03-0. Unless modified or revoked, this Permit Amendment expires upon issuance of the next Part 70 Permit for this source.

This Permit 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 Application No. 18107 dated April 3, 2008; any other applications upon which this Permit Amendment or Permit No. 3321-301-0012-V-03-0 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 Permit Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **8** pages.

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Director  
Environmental Protection Division

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**PART 1.0 FACILITY DESCRIPTION**

**1.3 Process Description of Modification**

TRW Warrenton Foundry is proposing to install bin vents (control codes 820A, 821A, 840A, 841A, 880, 881, 882 and 883) on the sand silos (source code 020, 021, 0401 and 041) and day storage bins (source code 600, 601, 602 and 603). TRW is also rerouting the shot blast units (source code 270 and 370) to existing finishing baghouse (Source Code 830).

TRW is also requesting to modify the condition 6.2.1 to remove specific reference to Isocure I and Isocure II which are vendor trademarks and to replace them with general terms PUCB Binders (polyurethane binders) that would allow the facility to use equivalent material from others vendors.

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### 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.

#### 3.1.1 Additional Emission Units

Emission Units			Specific Limitations/Requirements		Air Pollution Control Devices		Stack ID
ID No.	Description	Process Group	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description	ID No.
020	Core Sand Bulk Storage Silo	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	820A	Bin Vent Filter	920A
021	Core Sand Bulk Storage Silo	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	821A	Bin Vent Filter	921A
040	New Sand Storage Silo	RAW	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	840A	Bin Vent Filter	940A
041	New Sand Storage Silo	RAW	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	841A	Bin Vent Filter	941A
045	New Sand Day Storage Silo	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
051	Miscellaneous Bulk Materials Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	851	Bin Vent Filter	951
052	Miscellaneous Bulk Materials Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	852	Bin Vent Filter	952
053	Premix Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	853	Bin Vent Filter	953
060	Miscellaneous Bulk Materials Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	860	Bin Vent Filter	960
061	Miscellaneous Bulk Materials Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	861	Bin Vent Filter	961
062	Premix Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	862	Bin Vent Filter	962
063	Miscellaneous Bulk Materials Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	863	Bin Vent Filter	963
064	Miscellaneous Bulk Materials Storage Silo	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	864	Bin Vent Filter	964

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Emission Units			Specific Limitations/Requirements		Air Pollution Control Devices		Stack ID
ID No.	Description	Process Group	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description	ID No.
070	Railcar Unloading Dump Pit	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	870	Bag Filter	970
071	Railcar Unloading Dump Pit	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e).	3.4.1, 3.4.2	870	Bag Filter	970
072	Pneumatic Conveying Equipment	RAW	391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	870	Bag Filter	970
073	Pneumatic Conveying Equipment	CSA	391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	871	Bag Filter	971
110	Vibrating Pan	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1,5.2.5, 6.1.7	810	Main Baghouse	910
111	Coreless Induction Furnace	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e) 40CFR Part 63 Subpart EEEEE	2.2.1, 3.2.1, 3.3.1, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7, 6.2.4, 6.2.5	810	Main Baghouse	910
120	Vibrating Pan	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	810	Main Baghouse	910
121	Coreless Induction Furnace	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e) 40CFR Part 63 Subpart EEEEE	2.2.1, 3.2.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7, 6.2.4, 6.2.5	810	Main Baghouse	910
130	Vibrating Pan	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.3.3, 4.2.1, 5.2.1, 5.2.5, 6.1.7	810	Main Baghouse	910
131	Coreless Induction Furnace	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e) 40CFR Part 63 Subpart EEEEE	2.2.1, 3.2.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 6.1.7, 6.2.4, 6.2.5	810	Main Baghouse	910
200	Channel Pouring Furnace	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e) 40CFR Part 63 Subpart EEEEE	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7, 6.2.4, 6.2.5	840	Casting Cooling Baghouse	940
140	Vibrating Pan	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.3.3, 4.2.1, 5.2.1, 5.2.5, 6.1.7	810	Main Baghouse	910
141	Coreless Induction Furnace	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e) 40CFR Part 63 Subpart EEEEE	2.2.1, 3.2.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.2, 5.2.5, 6.1.7, 6.2.4, 6.2.5	810	Main Baghouse	910

## Title V Permit Amendment

TRW Warrenton Foundry

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Emission Units			Specific Limitations/Requirements		Air Pollution Control Devices		Stack ID
ID No.	Description	Process Group	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description	ID No.
201	Ladles	MPCS	391-3-1-.02(2)(e)	3.3.5, 3.4.1	N/A	None	N/A
210	Mold Machine	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7, 6.2.1	840	Casting Cooling Baghouse	940
220	Pouring	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e) 40CFR Part 63 Subpart EEEEE	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940
230	In-Mold Cooling	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940
240	Sand Shake- out	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940
250	Casting Cooling	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e),	2.2.1, 3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
260	Desprue	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
270	Shot Blast Machine	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
280	Grinding Unit	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
281	Grinding Unit	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
282	Grinding Unit	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
300	Channel Pouring Furnace	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 40CFR Part 63 Subpart EEEEE	2.2.1, 3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940
310	Mold Machine	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7, 6.2.1	840	Casting Cooling Baghouse	940
320	Pouring	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 40CFR Part 63 Subpart EEEEE	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940

## Title V Permit Amendment

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Emission Units			Specific Limitations/Requirements		Air Pollution Control Devices		Stack ID
ID No.	Description	Process Group	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description	ID No.
330	In-Mold Cooling	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940
340	Sand Shake- out	MPCS	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 4.2.3, 5.2.1, 5.2.5, 6.1.7	840	Casting Cooling Baghouse	940
350	Casting Cooling	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
360	Desprue	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
370	Shot Blast Machine	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
380	Grinding Unit	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
381	Grinding Unit	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
382	Grinding Unit	FIN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.2, 3.4.1, 3.4.2, 4.2.1, 5.2.1, 5.2.5, 6.1.7	830	Finish Baghouse	930
388	Rust Inhibitor Application	FIN	391-3-1-.02(2)(e)	3.4.1, 6.2.1	None.	None.	None.
389	Rust Inhibitor Application	FIN	391-3-1-.02(2)(e)	3.4.1, 6.2.1	None.	None.	None.
600	Day Storage #1	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	880	Bin Vent Filter	980
601	Day Storage #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	881	Bin Vent Filter	981
602	Day Storage #3	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	882	Bin Vent Filter	982
603	Day Storage #4	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.4.1, 3.4.2	883	Bin Vent Filter	983
610	Fluidized Bed Sand Classifier #1	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
611	Fluidized Bed Sand Classifier #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2,	820	Sand Baghouse	920

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Emission Units			Specific Limitations/Requirements		Air Pollution Control Devices		Stack ID
ID No.	Description	Process Group	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description	ID No.
				5.2.1,5.2.5,6.1.7			
612	Fluidized Bed Sand Classifier #3	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 6.1.7	820	Sand Baghouse	920
613	Fluidized Bed Sand Classifier #4	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
620	Weigh Hopper #1	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7, 6.2.1	820	Sand Baghouse	920
621	Weigh Hopper #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7, 6.2.1	820	Sand Baghouse	920
622	Weigh Hopper #3	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7, 6.2.1	820	Sand Baghouse	920
623	Weigh Hopper #4	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7, 6.2.1	820	Sand Baghouse	920
630	Batch Mixer #1	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
631	Batch Mixer #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
632	Batch Mixer #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
633	Batch Mixer #4	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
640	Core Machine #1	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.4, 3.4.1, 3.4.2, 6.2.1	821, 824	Core Room Scrubber, Core Machine Cyclone	921
641	Core Machine #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	2.2.1, 3.3.1, 3.3.4, 3.4.1, 3.4.2, 4.2.3, 5.2.3, 6.17, 6.2.1	821, 824	Core Room Scrubber, Core Machine Cyclone	921

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ID No.	Description	Process Group	Applicable Requirements / Standards	Corresponding Permit Conditions	ID No.	Description	ID No.
642	Core Machine #3	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e),	2.2.1, 3.3.1, 3.3.4, 3.4.1, 3.4.2, 4.2.3, 5.2.3, 6.17, 6.2.1	821, 824	Core Room Scrubber, Core Machine Cyclone	921
643	Core Machine #4	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e),	2.2.1, 3.3.1, 3.3.4, 3.4.1, 3.4.2, 4.2.3, 5.2.3, 6.17, 6.2.1	821, 824	Core Room Scrubber, Core Machine Cyclone	921
680	Dryer #1	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.1, 3.4.1, 3.4.2, 3.4.3	None.	None.	980, 985
681	Dryer #2	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.1, 3.4.1, 3.4.2, 3.4.3	None.	None.	981, 986
682	Dryer #3	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.1, 3.4.1, 3.4.2, 3.4.3	None.	None.	982, 987
683	Dryer #4	CSA	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e), 391-3-1-.02(2)(g)	3.3.1, 3.4.1, 3.4.2, 3.4.3	None.	None.	983, 988
700	Weigh Hoppers	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7, 6.2.1	820	Sand Baghouse	920
710	Sand Cooler	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
711	Blender/Conveying	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
715	Returned System Sand Storage Bin	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
716	Returned System Sand Storage Bin	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
730	Sand Mixer	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920
731	Sand Mixer	SAN	40 CFR 52.21, 391-3-1-.02(2)(b), 391-3-1-.02(2)(e)	3.3.1, 3.3.2, 3.3.3, 3.4.1, 3.4.2, 4.2.1, 4.2.2, 5.2.1, 5.2.5, 6.1.7	820	Sand Baghouse	920

\* Generally Applicable Requirements contained in this permit may apply also to emission units listed above.

### 3.4 Equipment SIP Rule Standards

#### Modified Permit Condition

- 3.4.2 The Permittee shall not cause, let, permit, suffer, or allow emissions from Stacks 910, 920, 920A, 921, 921A, 930, 940, 940A, 941A, 951, 952, 953, 960, 961, 962, 963, 964, 970, 971, 980, 981, 982, 983, 985, 986, 987, 988 the opacity of which is equal to or greater than forty (40) percent.  
[391-3-1-.02(2)(b)1]

### 5.2 Specific Monitoring Requirements

#### Modified Permit Conditions

- 5.2.1 The Permittee shall perform a daily check of visible emissions from all the baghouses and bin vents listed in Table 3.1.1. The Permittee shall retain a record in a daily visible emissions (VE) log suitable for inspection or submittal. The check shall be conducted at least once for each day or portion of each day of operation and shall be conducted using the following procedure:  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]
- a. The person performing the determination shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.
  - b. For each source that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.

### 6.2 Specific Record Keeping and Reporting Requirements

#### Modified Permit Condition

- 6.2.1 The Permittee shall maintain monthly usage records of the following materials: Mold Pattern Release Agent, Core Pattern Release Agent, PUCB (polyurethane core binder), Sea Coal, Coke, graphite, Rust Inhibitor, and catalyst gas. These records shall include the total weight of each material used, the volatile organic compound content of each material (expressed as a weight percentage) and the sulfur content of the Sea Coal, graphite and coke (expressed as a weight percentage). The records shall be kept in a form suitable for inspection or submittal.  
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]