Appendix A - Capture System Inspections §63.7800(b)(1)
Reference: Blast Furnace O & M Plan Section 2.2.1

B-2 BF Casthouse Baghouse	Procedure (P) / Documentation (D)	Master Work Order #
Capture System Inspections		03044810 03044826
Exterior Hoods / Ductwork / Exp Joints	P	03745470
Exterior Process Dampers / Actuators	P	03745470
Exterior Fans / Bearings / Vibration	P	03745470 03745529
Exterior Baghouse Hoppers & Dust Handling Equipment	P	03745470
Exterior Cleaning System Components	P	03044810
Interior Baghouse Modules / Filterbags	P	03745545
Interior Fans / Rotor / Shaft	P	03745515

D-4 BF Casthouse Baghouse	Procedure (P) / Documentation (D)	Master Work Order #
Capture System Inspections		03080747 03041992 03041640
Exterior Hoods / Ductwork / Exp Joints	P	03157940
Exterior Process Dampers / Actuators	P	03157940
Exterior Fans / Bearings / Vibration	P	03745534
Exterior Baghouse Hoppers & Dust Handling Equipment	P	03157940
Exterior Cleaning System Components	P	03080747
Interior Baghouse Modules / Filterbags	P	03745562
Interior Fans / Rotor / Shaft	P	03043534, 35, & 36

Appendix B - Control Device Preventive Maintenance §63.7800(b)(2)
Reference: Blast Furnace O & M Plan Section 2.2.2

B-2 BF Casthouse Baghouse	Procedure (P) / Documentation (D)	Master Work Order #
Preventive Maintenance		
Baghouse Module Components	P	03344826 03745470
Pulse Jet Cleaning System Components	P	03041195 03742132 03745473
Dust Handling System Components	P	03044810 03745470
Fans	P	03045082 03040421 03043984 03043985 03043986

D-4 BF Casthouse Baghouse	Procedure (P) / Documentation (D)	Master Work Order #
Preventive Maintenance - General		03044635
Baghouse Module Components	P	03036634, 36, 37, 38, 39, 40, 41, 42, 43, 44
Pulse Jet Cleaning System Components	P	03041543 03745473
Dust Handling System Components	P	03044842
Fans	P	03044842

Appendix C - Operating Limit Parameter Documentation §63.7800(b)(3)(iii)
Reference: Blast Furnace O.& M Plan Section 2.2.3

C-1 - Rationale for why the parameter was chosen will be maintained in the Environmental Department files. (63.7800(b)(3)(iii))
Reference: Blast Furnace O &M Plan Section 2.2.3.4

The fan motor amperage parameter was identified as the most consistent indicator of the capture system performance for the following reasons:

i) The fan motor amperage monitoring instrumentation is typically installed in weather protected locations or electrical boxes, requires no maintenance after initial installation and commissioning, and requires minimal re-calibration.

ii) The fan motor amperage parameter monitoring instrumentation will provide a consistent signal and operating range, except for seasonal fluctuations due to changes in the ambient temperature condition.

iii) The fan motor amperage operating range can be directly correlated to the fan operational performance based on the capture system fan curve and fan law relationships.

iv) Changes in fan performance operation due to significant capture system malfunctions (significant changes in pressure drop across the control device, fan inefficiency, capture system inefficiency) will quickly correlate to a change in the fan motor amperage parameter readings.

C-2 - Description of each selected operating limit parameter will be maintained in the Environmental Department files. (63.7800(b)(3)(iii))
Reference: Blast Furnace O &M Plan Section 2.2.3.5

B-2 Blast Furnace Casthouse Emissions System
The fan current sensor and transmitters are located in the fan motor starter MCC panels located in the B-2 Blast Furnace Casthouse Baghouse Control Room.

D-4 Blast Furnace Casthouse Emissions Control System
The fan current sensor and transmitters are located in the fan motor starter MCC panels located in the D-4 Blast Furnace Casthouse Baghouse Control Room.

C-3 - Description of method used to monitor parameter will be maintained in the Environmental Department files. (63.7800(b)(3)(iii))
Reference: Blast Furnace O &M Plan Section 2.2.3.6

For each capture system, each of the collection fan motor starters is equipped with current sensors and transmitters that continuously record fan motor amperages. The monitoring parameter data is collected and transferred to a Level II data server for recordkeeping.

Appendix C - Operating Limit Parameter Documentation §63.7800(b)(3)(iii)
Reference: Blast Furnace O & M Plan Section 2.2.3

C-4 - Data used to set the value or settings for the parameter for each process configuration will be maintained in the Environmental Department files. (63.7800(b)(3)(iii))
Reference: Blast Furnace O &M Plan Section 2.2.3.7

i) The site specific operating limit parameter ranges will be established by monitoring and recording the parameters during typical capture system operations and during performance of stack testing.

ii) Site-specific operating limit parameters ranges will be established based on all facility process operation modes and for changes in seasonal conditions.

iii) For each emissions control capture system subject to the MACT regulation requirements (Blast Furnace Casthouse Emissions), the identified site-specific operating limit parameters and ranges matrix is included in the Appendix section.

Appendix D - MACT Alarm Corrective Action Procedure 63.7800(b)(4)
Reference: Blast Furnace O & M Plan Sections 2.2.3 & 2.3.4