

TABLE B. WET SCRUBBER DESCRIPTION												
Facility ID = 63M Unit ID	Year installed/ (Rebuilt)	Outlet Concentration (gr/dscf)	Basis for Efficiency	Scrubber Type	Pressure Mode of Operation	Gas Flow Rate (cfm)	Gas Inlet Temp (F)	Press. Drop Across Coll. (in.)	Liquid to Gas Ratio (gal/1000acf)	Table Number	Process ID	Process Description
<b>WET SCRUBBERS</b>												
✓ "B" Cupola	1972	0.075	Particulate Matter	Venturi	Negative	45,000	2000	42	Unknown	1	Cupola "B" Cold Stack	
✓ "C" Cupola	1972	0.075	Particulate Matter	Venturi	Negative		2000	42	Unknown	1	Cupola "C" (Emer. Bypass)	
✓ "D" Cupola	1979	0.021	Particulate Matter	Theisen Disintegrator	Negative	NA-no fan	2000	23	10.6	1	Cupola "D" (Emer. Bypass)	Melting Metal Charge
✓ 3ML-DC-12	1994	Unknown	NA	Venturi	Negative	50,000	150	Unknown	3.0	11	GEN III Sand Handling	
✓ 3ML-DC-13	1994	Unknown	NA	Venturi	Negative	50,000	150	Unknown	3.0	11	GEN III Sand Handling	
✓ 3ML-DC-14	1980	0.012	Gas	Venturi	Negative	48,000	150	11	3.0	11	#3ML Sand Cooler	Cool. Sand from Blend. Drum
3ML-DC-14	1981	0.005	Gas	Venturi	Negative	48,000	150	11	3.0	11	Sand Belt, Elevator, Skimmer	Sand Handling for 3ML Mullers
✓ 3ML-DC-15	1980	0.005	Gas	Venturi	Negative	48,000	150	13	3.0	5	#3ML East & West Mullers	Mixing Sand & Additives
✓ 3ML-DC-15	1980	0.005	Gas	Venturi	Negative	48,000	150	13	3.0	5	Sand Blend. Drum & Conveyor	Sand Prep. for Mullers
✓ 3ML-DC-16	1985	0.012	Gas	Venturi	Negative	50,000	150	12	3.0	11	#3ML Basement Sand System	Sand Accum. from Shakeout
✓ 3ML-DC-17	1985	0.012	Gas	Venturi	Negative	48,000	150	Unknown	3.0	10	#3ML Shakeout	
✓ 3ML-DC-18	Unknown	Unknown	NA	high energy	Negative	50,000	150	Unknown	3.0	10	#3 ML Shakeout	
✓ 3ML-DC-40	1980 (1987)	0.005	Gas	Venturi	Negative	50,000	150	12	3.0	9	#3ML Cope Pickoff Enclosure	Separation of Cope from Mold
✓ 3ML-DC-40	1980 (1987)	0.005	Gas	Venturi	Negative	50,000	150	12	3.0	9	#3ML Mold Cooling Conveyor	Cooling of Molds
✓ 3ML-DC-91	Unknown	Unknown	NA	Venturi	Negative	43,000	150	Unknown	3.0	9	Scrap Tunnel And Pump Pit	
✓ 4ML-DC-01	1985	0.012	Gas	Venturi	Negative	50,000	150	13	3.0	9	Cooling Drum Elevator	Sand Prep. for #4ML Mullers
✓ 4ML-DC-01	1985	0.012	Gas	Venturi	Negative	50,000	150	13	3.0	9	Drum Disch. Conv. & Skimmer	Sand Prep. for #4ML Mullers
✓ 4ML-DC-01	1985	0.012	Gas	Venturi	Negative	50,000	150	13	3.0	9	Ret. Cool. Drum, Sand Screen	Ret. Sand Cooling & Screen.
✓ 4ML-DC-02	1985	0.012	Gas	Venturi	Negative	50,000	150	16	3.0	5	Sprue Vibratory Conveyors	Sprue Accum. & Transport
✓ 4ML-DC-02	1985	0.012	Gas	Venturi	Negative	50,000	150	16	3.0	5	Prepared Sand Plow Station	Transfer-Conv. to Drag Feeder
✓ 4ML-DC-02	1985	0.012	Gas	Venturi	Negative	50,000	150	16	3.0	5	Prepared Sand Bin Feeders	Sand Holding for Transfer
✓ 4ML-DC-03	1985	0.012	Gas	Venturi	Negative	50,000	150	13	3.0	10	#4ML Casting Shakeout (East)	Sand Removal from Castings
✓ 4ML-DC-84	1985	0.012	Gas	Venturi	Negative	50,000	150	13	3.0	10	#4ML Casting Shakeout	Sand Removal from Castings
✓ 4ML-DC-05	1985	0.012	Gas	Venturi	Negative	50,000	150	15	3.0	10	#4ML Casting Shakeout	Sand Removal from Castings
✓ 4ML-DC-06	1985	0.012	Gas	Venturi	Negative	50,000	150	14	3.0	11	Return Sand Conveyor & Plow	Return Sand Hand. for Mullers
✓ 4ML-DC-96	1985	0.012	Gas	Venturi	Negative	50,000	150	14	3.0	5	#4ML East & West Mullers	Sand & Additive Mixing
✓ 4ML-DC-07	1985	0.012	Gas	Venturi	Negative	50,000	150	14	3.0	11	Shakeout Sand/Metal Separ.	Sprue/Shakeout Sand Separ.
✓ 4ML-DC-07	1985	0.012	Gas	Venturi	Negative	50,000	150	14	3.0	11	Waste Sand Conveyor	Shakeout Sand Transfer
✓ 4ML-DC-08	1985	0.012	Gas	Venturi	Negative	50,000	150	11	3.0	11	Shakeout Sand/Metal Separ.	Sprue/Shakeout Sand Separ.
✓ 4ML-DC-08	1985	0.012	Gas	Venturi	Negative	50,000	150	11	3.0	11	Waste Sand Conveyor	Shakeout Sand Transfer
✓ 4ML-DC-89	1985	0.012	Gas	Venturi	Negative	50,000	150	11	3.0	11	Prep. Sand Flight Conveyor	Prep. Sand Return from Cope
✓ 4ML-DC-09	1985	0.005	Gas	Venturi	Negative	50,000	150	11	3.0	11	Waste Sand Slurry Transfer	Transfer - 4ML to Settling Pond
✓ CDL-DC-3X	Unknown	Unknown	NA	Venturi	Negative	30,000	150	Unknown	3.0	15	Main & Aux. Roto Blasts	Spot Blasting of Castings
✓ CDL-DC-3X	Unknown	Unknown	NA	Venturi	Negative	30,000	150	Unknown	3.0	16	Stand Grinders (North & South)	Grinding of Castings

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TABLE B.	Facility ID = 53H	Unit ID	Blowdown Produced (cu. yd./1 hr. operation)	% Solids in Blowdown	Material Analysis?	Amount of Material Processed that Generates Material Collected	Emission Test?	Criteria Pollutants	Parameters Tested	HAP's Test Date	Production Data	Air Permit Number	Partic. Limit #1000's #/hour	Partic. Actual #/hour	CO Limit #/hour	CO Actual #/hour	
<b>WET SCRUBBERS</b>																	
		"B" Cupola	None	NA	No	55 tons/hr. melt rate	Yes	7/95	PT, metals	Jul-95	36.4 melt rate tons/hr	126-71	0.150	0.14	3.27		
		"C" Cupola	None	NA	No	55 tons/hr. melt rate	Yes	12/93	PT, metals	Dec-93	Production Data Not Available	126-71	0.150	0.080	22.32		
		"D" Cupola	None	NA	No	55 tons/hr. melt rate	Yes	Aug-95	CD	Aug-95	32.44 melt rate tons/hr	80-71A					
		3ML-DC-12	0.432	Unknown	No	Unknown	No					372-94					
		3ML-DC-13	0.432	Unknown	No	Unknown	No					372-94					
		3ML-DC-14	0.432	Unknown	No	Unknown	Yes	6/95	PT	Jun-95	36.7 tons/hr	629-85	0.022	0.012	2.09		
		3ML-DC-15	0.432	Unknown	No	Unknown	No					629-85	0.010	0.009	1.59		
		3ML-DC-16	0.432	Unknown	No	Unknown	Yes	6/95	PT	Jun-95	23.5 tons/hr	629-85	0.010	0.009	1.59		
		3ML-DC-17	0.432	Unknown	No	Unknown	Yes	2/98	PT, opacity	Feb-98	Production Data Not Available	629-85	0.022	0.013	2.72		
		3ML-DC-18	Unknown	Unknown	No	Unknown	Yes	2/98	PT, opacity	Feb-98	Production Data Not Available	447-96	0.022	0.022	14.3 total	5.78	
		3ML-DC-40	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	629-85	0.010	0.008	1.53		
		3ML-DC-41	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	629-85	0.010	0.008	1.53		
		3ML-DC-91	0.432	Unknown	No	Unknown	No					Grand					
		4ML-DC-01	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.022	0.018	2.73		
		4ML-DC-02	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.022	0.018	2.73		
		4ML-DC-03	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.022	0.018	2.73		
		4ML-DC-04	0.432	Unknown	No	Unknown	Yes	9/87	PT	Sep-87	Production Data Not Available	704-85	0.010	0.004			
		4ML-DC-05	0.432	Unknown	No	Unknown	Yes	8/87	PT	Sep-87	Production Data Not Available	704-85	0.010	0.004			
		4ML-DC-06	0.432	Unknown	No	Unknown	Yes	9/87	PT	Sep-87	Production Data Not Available	704-85	0.010	0.004			
		4ML-DC-07	0.432	Unknown	No	Unknown	Yes	7/95	PT, VOC, CO, HAPs	Jul-95	197 parts/hr (part weight not available)	704-85	0.022	0.019	1.64		
		4ML-DC-08	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.022	0.010	1.60		
		4ML-DC-09	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.022	0.004	0.70		
		4ML-DC-10	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.007	1.33		
		4ML-DC-11	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.007	1.33		
		4ML-DC-12	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.005	1.17		
		4ML-DC-13	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.005	1.17		
		4ML-DC-14	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.003	0.67		
		4ML-DC-15	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.003	0.67		
		4ML-DC-16	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.003	0.67		
		4ML-DC-17	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.003	0.67		
		4ML-DC-18	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	704-85	0.010	0.002	0.37		
		CDL-DC-3X	0.432	Unknown	No	Unknown	No										
		CDL-DC-3X	0.432	Unknown	No	Unknown	No										

TABLE B.																								
Facility ID = 63H																								
Unit ID																								
	CO	VOC	VOC	Fl	Cl																			
	Actual	Limit	Actual	Actual	Actual	Volume	Pressure	Total VOC	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Manganese	Nickel	Lead	Selenium	Zinc	Titanium	Mercury	CO	SO2
	#/hour	#/hour	#/hour	#/hour	#/hour	(dscfm)	(in)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
WET SCRUBBERS																								
"B" Cupola			0.70			0.7					0.0094	0.0053	0.1500	0.0706	0.0168	0.0745		0.1210						
"C" Cupola	34.34		2.19			2.2		0.0190	0.0030	0.0020	0.0040			0.0200				0.1120		0.0010	34.34		2.14	
"D" Cupola						0.4		0.0100		0.0100	0.4900	0.0500	2.6300	0.4800	0.6500	0.1200	0.0100	1.1200	1.4500		31.20	3.80	2.24	0.0100
3ML-DC-12																								
3ML-DC-13																								
3ML-DC-14						38,531	14.0000																	
3ML-DC-15						36,483	12.5000																	
3ML-DC-16						36,402	13.5000																	
3ML-DC-17						47,404	15.5000																	
3ML-DC-18						57,782	78.0000																	
3ML-DC-40						41,218	10.0000																	
3ML-DC-91																								
4ML-DC-81						34,867	18.7000																	
4ML-DC-81						34,867	18.7000																	
4ML-DC-81						34,867	18.7000																	
4ML-DC-02						39,240	11.9000																	
4ML-DC-82						39,240	11.9000																	
4ML-DC-02						39,240	11.9000																	
4ML-DC-03	7.40		23.60			44,995	5.5000	23.6														7.40	7.90	
4ML-DC-84						35,691	19.1000																	
4ML-DC-05						39,520	17.2000																	
4ML-DC-06						45,218	12.0000																	
4ML-DC-06						45,218	12.0000																	
4ML-DC-07						48,706	12.6000																	
4ML-DC-87						48,706	12.6000																	
4ML-DC-08						46,608	11.9000																	
4ML-DC-88						46,608	11.9000																	
4ML-DC-88						46,608	11.9000																	
4ML-DC-09						46,013	13.0000																	
CDL-DC-3X																								
CDL-DC-3X																								

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TABLE B.																	
Facility ID = 53H																	
Unit ID																	
	NOx	Acetaldehyde	Acetophenone	Acrolein	Aniline	Benzene	Biphenyl	Bis(2-ethylhexyl)	Bromoforn	Bromomethane	2-Butanone	Carbon	Carbon	Chloro-	Chloroethane	Cumene	Ethyl-
	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	phthalate	(lb/hr)	(Methyl Bromide)	(MEK)	Diaulfide	Tetrachloride	benzene	(Ethyl Chloride)	(lb/hr)	benzene
																	(lb/hr)
WET																	
SCRUBBERS																	
"B" Cupola																	
"C" Cupola				0.0110							0.0010	0.0010		0.0010			
"D" Cupola	0.0008	0.0100		0.0024	0.0004	0.0113 (lab artifact)								0.0002	0.0002	0.0700	0.0226
3ML-DC-12																	
3ML-DC-13																	
3ML-DC-14																	
3ML-DC-14																	
3ML-DC-15																	
3ML-DC-15																	
3ML-DC-16																	
3ML-DC-17																	
3ML-DC-18																	
3ML-DC-40																	
3ML-DC-40																	
3ML-DC-91																	
4ML-DC-81																	
4ML-DC-01																	
4ML-DC-01																	
4ML-DC-02																	
4ML-DC-02																	
4ML-DC-02																	
4ML-DC-03	2.00	0.0400			0.1020	0.0738	0.1384		0.0002	0.0002	0.0042	0.0024		0.0004	0.0008		0.0253
4ML-DC-84																	
4ML-DC-85																	
4ML-DC-06																	
4ML-DC-06																	
4ML-DC-07																	
4ML-DC-07																	
4ML-DC-08																	
4ML-DC-08																	
4ML-DC-08																	
4ML-DC-89																	
CDL-DC-3X																	
CDL-DC-3X																	

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TABLE B.															
Facility ID = 53H															
Unit ID															
	Formaldehyde (lb/hr)	Hexane (lb/hr)	Hydrochloric Acid (lb/hr)	Hydrogen Sulfide (lb/hr)	Methanol (lb/hr)	Methylene Chloride (lb/hr)	Naphthalene (lb/hr)	Phenol (lb/hr)	Styrene (lb/hr)	Toluene (lb/hr)	o-Toluidine (lb/hr)	Triethylamine (lb/hr)	Vinyl Acetate (lb/hr)	m/p- Xylenes (lb/hr)	o-Xylene (lb/hr)
WET SCRUBBERS															
"B" Cupola															
"C" Cupola								0.0090				0.0270			
"D" Cupola	0.1100				0.0007	0.0002	0.0003	0.0014				0.0006	0.0003		
3ML-DC-12															
3ML-DC-13															
3ML-DC-14															
3ML-DC-14															
3ML-DC-16															
3ML-DC-15															
3ML-DC-16															
3ML-DC-17															
3ML-DC-18															
3ML-DC-40															
3ML-DC-40															
3ML-DC-81															
4ML-DC-01															
4ML-DC-01															
4ML-DC-01															
4ML-DC-02															
4ML-DC-02															
4ML-DC-02															
4ML-DC-03	0.0100						0.3573	0.1929	0.0170	0.0858	0.0397			0.0724	0.0386
4ML-DC-04															
4ML-DC-05															
4ML-DC-06															
4ML-DC-06															
4ML-DC-07															
4ML-DC-07															
4ML-DC-08															
4ML-DC-08															
4ML-DC-88															
4ML-DC-09															
CDL-DC-3X															
CDL-DC-3X															

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TABLE B. Facility ID = 53H Unit ID		WET SCRUBBER DESCRIPTION										
Year Installed/ (Rebuilt)	Outlet Concentration (gr/dscf)	Basis for Efficiency	Scrubber Type	Pressure Mode of Operation	Gas Flow Rate (cfm)	Gas Inlet Temp (F)	Press. Drop Across Coll. (in.)	Liquid to Gas Ratio (gal/1000acf)	Table Number	Process ID	Process Description	
CDL-DC-3X	Unknown	Unknown	NA	Venturi	Negative	30,000	150	Unknown	3.0	16	Work Bench/Welding Area	Misc. Welding
NCR-DC-01	1985	0.005	Gas	Venturi	Negative	50,000	150	12	3.0	11	(5) Sand Transpon Units	Pressurized Transport of Sand
NCR-DC-01	1985	0.005	Gas	Venturi	Negative	50,000	150	12	3.0	11	Multiple Conveyor Plow Sta.	Sand Dist. to Mixer Feeder Bin
NCR-DC-01	1985	0.005	Gas	Venturi	Negative	50,000	150	12	3.0	11	Make-Up Sand Conveyor	Sand Storage Bldg. to Elevat.
NCR-DC-02	1985	0.005	Gas	Venturi	Negative	50,000	150	11	3.0	11	Plow Stations (4 units)	Sand Transfer to Mixer Feeder
NCR-DC-02	1985	0.005	Gas	Venturi	Negative	50,000	150	11	3.0	11	Sand Heater/Cooler Units	Heat/Cool Make-Up Sand
NCR-DC-02	1985	0.005	Gas	Venturi	Negative	50,000	150	11	3.0	11	Sand Mixers	Sand Prep. - A-D Core Mach.
SCR-DC-04	1995	Unknown	NA	Venturi	Negative	50,000	150	Unknown	3.0	11	Loramendi Sand Transpon	
SR-DC-22	Unknown	0.026	Gas	Venturi	Negative	45,000	150	Unknown	3.0	16	Ironyard Enclosure	Scrap Remelt Cleaning Sys.
WFIN-DC-03	1986	0.006	Gas	Venturi	Negative	50,000	150	14	3.0	13	4ML Overhead Unload	Shot Blasting
WFIN-DC-04	1986	0.005	Gas	Venturi	Negative	50,000	150	13	3.0	13	Basement Conveyor	Waste Sand Conveyor
WFIN-DC-06	1986	0.005	Gas	Venturi	Negative	50,000	150	Unknown	3.0	13	BI Blast	Grinders
										13	Basement Belts	
WFIN-DC-07	1986	0.005	Gas	Venturi	Negative	50,000	150	14	3.0	13	"BI" Block Grinders & Shot S/O & Hot table Blast	Stand & V-6 Block Grinders
WFIN-DC-31	1987	0.005	Gas	Venturi	Negative	50,000	150	15	3.0	13	"BK" Pre Blast	"BL" Final & "BK" Pre-Blast
										13	Runner removal station	
										13	Gen III Grinder	
WFIN-DC-33	Unknown	Unknown	NA	Venturi	Negative	43,000	150	Unknown	3.0	13	Basement Waste Sand	Waste Sand Belt
WFIN-DC-33	Unknown	Unknown	NA	Venturi	Negative	43,000	150	Unknown	3.0	13	#11 Pump Pit	Waste Sand Slurry
WFIN-DC-33	Unknown	Unknown	NA	Venturi	Negative	43,000	150	Unknown	3.0	13	Shot Reclaim	Shot Reclaim
WFIN-DC-34	1977 (1987)	0.006	Gas	Venturi	Negative	50,000	150	13	3.0	13	"BJ" Blast Line	Shot Blasting
WFIN-DC-35	1977 (1987)	0.006	Gas	Venturi	Negative	50,000	150	13	3.0	13	"BG" Blast Line	Shot Blasting 2.0 L Blocks
WFIN-DC-36	1987	0.005	Gas	Venturi	Negative	50,000	150	13	3.0	13	BL Blast	Shot Blasting V-6 & V-8 Blocks
WFIN-DC-36	1987	0.005	Gas	Venturi	Negative	50,000	150	13	3.0	13	"BL" Grinder	V-6 & V-8 Block Grinders
WFIN-DC-37	1980 (1990)	0.005	Gas	Venturi	Negative	50,000	150	15	3.0	13	#3ML Unload	Shot Blasting "J"-Car Blocks
WFIN-DC-37	1981 (1990)	0.005	Gas	Venturi	Negative	50,000	150	15	3.0	13	Sand Shakeout	Transfer Station
WFIN-DC-37	1982 (1990)	0.005	Gas	Venturi	Negative	50,000	150	15	3.0	13	Basement	Sand Shakeout
<b>ACID SCRUBBERS</b>												
NCR-ISO-02	Unknown	0.005	Gas	vertical packed bed	Negative	15,000	150	3	Unknown	6	G.H. & I Rows ColdBox Mach (10)	Core Formation
NCR-ISO-02	Unknown	0.005	Gas	vertical packed bed	Negative	15,000	150	3	Unknown	6		
SCR-ISO-01	Unknown	0.005	Gas	vertical packed bed	Negative	15,000	150	3	Unknown	6	Isocure Core Machines (9)	Core Formation in Cold Box
SCR-ISO-01	Unknown	Unknown	NA	vertical packed bed	Negative	15,000	150	3	Unknown	6		
SCR-ISO-02	Unknown	Unknown	NA	vertical packed bed	Negative	15,000	150	3	Unknown	6	Loramendi Cold Box Machines	

TABLE B.																
Facility ID = 53H																
Unit ID	Blowdown Produced (cu. yd./ 1 hr. operation)	% Solids in Blowdown	Material Analysis?	Amount or Material Processed that Generates Material Collected	Emission Test?	Criteria Pollutants Test Date	Parameters Tested	HAP's Test Date	Production Data	Air Permit Number	Partic. Limit #/1000#s	Partic. Actual #/1000#s	Partic. Limit #/hour	Partic. Actual #/hour	CO Limit #/hour	
✓ CDL-DC-3X	0.432	Unknown	No	Unknown	No											
NCR-DC-01	0.432	Unknown	No	Unknown	Yes	7/95	PT	Jul-95	200 tons (sand transported)/hr	190-93	0.010	0.002		0.40		
✓ NCR-DC-01	0.432	Unknown	No	Unknown	Yes	7/95	PT	Jul-95	200 tons (sand transported)/hr	190-93	0.010	0.002		0.40		
✓ NCR-DC-01	0.432	Unknown	No	Unknown	Yes	7/95	PT	Jul-95	200 tons (sand transported)/hr	190-93	0.010	0.002		0.40		
✓ NCR-DC-02	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87	Production Data Not Available	190-93	0.010	0.001		0.23		
✓ NCR-DC-02	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87		190-93	0.010	0.001		0.23		
✓ NCR-DC-02	0.432	Unknown	No	Unknown	Yes	5/87	PT	May-87		190-93	0.010	0.001		0.23		
✓ SCR-DC-04	0.432	Unknown	No	Unknown	No					47-94						
✓ SR-DC-22	0.432	Unknown	No	Unknown	Yes	6/95	PT,metals,VOC	Aug-95	Production Data Not Available	349-80	0.050	0.004		0.75		
WFIN-DC-03	0.432	Unknown	No	Unknown	Yes	5/87	PT		Production Data Not Available	190-93	0.012	0.008				
✓ WFIN-DC-04	0.432	Unknown	No	Unknown	Yes	7/95	PT	Jul-95	246 parts/hr (part number not available)	705-85	0.010	0.003		0.33		
WFIN-DC-06	0.432	Unknown	No	Unknown	Yes	5/87	PT		Production Data Not Available	190-93	0.010	0.003				
WFIN-DC-07	0.432	Unknown	No	Unknown	Yes	8/95	PT,metals	Aug-95	198 parts/hr (part number not available)	705-85	0.012	0.003		0.47		
WFIN-DC-31	0.432	Unknown	No	Unknown	Yes	12/97	PT	Dec-97	428 parts/hr (part number not available)	663-87A	0.012	0.011		2.44		
WFIN-DC-33	0.432	Unknown	No	Unknown	Yes	6/92	Opacity		Production Data Not Available	Grandf.						
WFIN-DC-33	0.432	Unknown	No	Unknown	Yes	6/92	Opacity		Production Data Not Available	Grandf.						
WFIN-DC-33	0.432	Unknown	No	Unknown	Yes	6/92	Opacity		Production Data Not Available	Grandf.						
WFIN-DC-34	0.432	Unknown	No	Unknown	Yes	11/93	Opacity		Production Data Not Available	628-85	0.012					
WFIN-DC-35	0.432	Unknown	No	Unknown	Yes	11/93	Opacity		Production Data Not Available	628-85	0.012					
✓ WFIN-DC-36	0.432	Unknown	No	Unknown	Yes	9/89	PT	Sep-89	509 castings/hr (part number not available)	663-87A	0.012	0.009				
WFIN-DC-36	0.432	Unknown	No	Unknown	Yes	9/89	PT	Sep-89	509 castings/hr (part number not available)	663-87A	0.012	0.009				
✓ WFIN-DC-37	0.432	Unknown	No	Unknown	Yes	9/89	PT	Sep-89	462 castings/hr (part number not available)	663-87A	0.010	0.010				
WFIN-DC-37	0.432	Unknown	No	Unknown	Yes	9/89	PT	Sep-89	462 castings/hr (part number not available)	663-87A	0.010	0.010				
WFIN-DC-37	0.432	Unknown	No	Unknown	Yes	9/89	PT	Sep-89	462 castings/hr (part number not available)	663-87A	0.010	0.010				
ACID SCRUBBERS																
✓ NCR-ISO-02	Unknown	Unknown	No	Unknown	Yes	3/89	PT,VOC;1,1,1;MOI;TEA;Form;Phenol	Mar-89		985-85A	0.010	0.009				
NCR-ISO-02	Unknown	Unknown	No	Unknown	No			Mar-89								
✓ SCR-ISO-01	Unknown	Unknown	No	Unknown	Yes	1-89/3-89	PT,VOC;TEA;1,1,1;MOI;Form;	Mar-89		985-85A	0.010	0.008				
✓ SCR-ISO-01	Unknown	Unknown	No	Unknown	No			Mar-89								
✓ SCR-ISO-02	Unknown	Unknown	No	Unknown	No					47-94						

TABLE B.																							
Facility ID = 53H																							
Unit ID																							
CO	VOC	VOC	F1	Cl																			
Actual	Limit	Actual	Actual	Actual	Volume	Pressure	Total VOC	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Manganese	Nickel	Lead	Selenium	Zinc	Titanium	Mercury	CO	SO2
#/hour	#/hour	#/hour	#/hour	#/hour	(dscfm)	Drop (in)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)	(lb/hr)
CDL-DC-3X																							
NCR-DC-01					45,022	12.5000																	
NCR-DC-01					45,022	12.5000																	
NCR-DC-01					45,022	12.5000																	
NCR-DC-02					40,314	12.5000																	
NCR-DC-02					40,314	12.5000																	
NCR-DC-02					40,314	12.5000																	
SCR-DC-04																							
SR-DC-22			1.10		45,969		1.1							0.00004	0.000002	0.000003	0.000002			0.00001			
WFIN-DC-03																							
WFIN-DC-04					28,999	12.0000																	
WFIN-DC-06																							
WFIN-DC-07					37,777	12.0000							0.0020	0.0017	0.0556	0.0031	0.0010			0.0092			
WFIN-DC-31					45,534																		
WFIN-DC-33																							
WFIN-DC-33																							
WFIN-DC-33																							
WFIN-DC-34																							
WFIN-DC-35																							
WFIN-DC-36					37,436	9.5000																	
WFIN-DC-36					37,436	9.5000																	
WFIN-DC-37					38,467	15.0000																	
WFIN-DC-37					38,467	15.0000																	
WFIN-DC-37					38,467	15.0000																	
ACID SCRUBBERS																							
NCR-ISO-02		17.0500	2.31		3,237		2.3																
NCR-ISO-02					3,237		2.3																
SCR-ISO-01		17.0500	3.60		7,939		3.6																
SCR-ISO-01					7,939		3.6																
SCR-ISO-02																							

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TABLE B.																	
Facility ID = 53H																	
Unh ID	NOx (lb/hr)	Acetaldehyde (lb/hr)	Acetophenone (lb/hr)	Acrolein (lb/hr)	Aniline (lb/hr)	Benzene (lb/hr)	Biphenyl (lb/hr)	Bis(2-ethylhexyl) phthalate (lb/hr)	Bromoform (lb/hr)	Bromomethane (Methyl Bromide) (lb/hr)	2-Butanone (MEK) (lb/hr)	Carbon Disulfide (lb/hr)	Carbon Tetrachloride (lb/hr)	Chloro- benzene (lb/hr)	Chloroethane (Ethyl Chloride) (lb/hr)	Cumene (lb/hr)	Ethyl- benzene (lb/hr)
CDL-DC-3X																	
NCR-DC-01																	
NCR-DC-01																	
NCR-DC-01																	
NCR-DC-02																	
NCR-DC-02																	
NCR-DC-02																	
SCR-DC-04																	
SR-DC-22																	
WFIN-DC-03																	
WFIN-OC-04																	
WFIN-DC-06																	
WFIN-DC-07																	
WFIN-DC-31																	
WFIN-DC-33																	
WFIN-DC-33																	
WFIN-DC-33																	
WFIN-DC-34																	
WFIN-DC-36																	
WFIN-DC-36																	
WFIN-DC-36																	
WFIN-DC-37																	
WFIN-DC-37																	
WFIN-DC-37																	
ACID SCRUBBERS																	
NCR-ISO-02																	
NCR-ISO-02																	
SCR-ISO-01																	
SCR-ISO-01																	
SCR-ISO-02																	

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TABLE B.															
Facility ID = 53H															
Unit ID	Formaldehyde (lb/hr)	Hexane (lb/hr)	Hydrochloric Acid (lb/hr)	Hydrogen Sulfide (lb/hr)	Methanol (lb/hr)	Methylene Chloride (lb/hr)	Naphthalene (lb/hr)	Phenol (lb/hr)	Styrene (lb/hr)	Toluene (lb/hr)	o-Toluidine (lb/hr)	Triethylamine (lb/hr)	Vinyl Acetate (lb/hr)	m/p- Xylenes (lb/hr)	o-Xylene (lb/hr)
CDL-DC-3X															
NCR-DC-01															
NCR-DC-01															
NCR-DC-01															
NCR-DC-02															
NCR-DC-02															
NCR-DC-02															
SCR-DC-04															
SR-DC-22															
WFIN-DC-03															
WFIN-DC-04															
WFIN-DC-06															
WFIN-DC-07															
WFIN-DC-31															
WFIN-DC-33															
WFIN-DC-33															
WFIN-DC-33															
WFIN-DC-34															
WFIN-DC-35															
WFIN-DC-36															
WFIN-DC-36															
WFIN-DC-37															
WFIN-DC-37															
WFIN-DC-37															
ACID SCRUBBERS															
NCR-ISO-02	0.0034							0.0869					0.0036		
NCR-ISO-02	0.0034							0.0869					0.0036		
SCR-ISO-01	0.0116							0.1933					0.0098		
SCR-ISO-01	0.0116							0.1933					0.0098		
SCR-ISO-02															

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TABLE C. THERMAL AIR POLLUTION CONTROL DEVICE DESCRIPTION														
Facility ID = 53H	Device	Design Collection	Basis	Excess	Residence	Combustion	Other Relevant	Table	Process	Process	Emission	Criteria	Parameters	HAP's
Unit ID	Description	Efficiency (%)	for Efficiency	Air (%)	Time (seconds)	Temp. (F)	Design and Operating Data	Number	ID	Description	Test?	Pollutant	Tested	Test Date
"B" Cupola	Combustor	96	Carbon Monoxide Destruction	2	0.50	1,550	46923 (dscfm)	1	Cupola "B" (Main Stack)	Melting Metal Charge	Yes	7/95	PT,metals	Jul-95
"C" Cupola	Combustor	96	Carbon Monoxide Destruction	2	0.50	1,550	62804 (dscfm)	1	Cupola "C" (Main Stack)	Melting Metal Charge	Yes	12/93	PT,metals	Dec-93
"D" Cupola	Combustor	96	Carbon Monoxide Destruction	2	0.50	1,550	33301 (dscfm)	1	Cupola "D" (Main Stack)	Melting Metal Charge	Yes		CO	Aug-95
"D" Cupola	Combustor	96	Carbon Monoxide Destruction	2	0.50	1,550	33301 (dscfm)	1	Cupola "D" (Main Stack)	Melting Metal Charge	Yes		CO	Aug-95

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TABLE C.																				
Facility ID = 53H																				
Unit ID	Zinc (lb/hr)	Titanium (lb/hr)	Mercury (lb/hr)	CO (lb/hr)	SO2 (lb/hr)	NDx (lb/hr)	Acetaldehyde (lb/hr)	Acetophenone (lb/hr)	Acrolein (lb/hr)	Aniline (lb/hr)	Benzene (lb/hr)	Biphenyl (lb/hr)	Bis(2-ethylhexyl) phthalate (lb/hr)	Bromoform (lb/hr)	Bromomethane (Methyl Bromide) (lb/hr)	2-Butanone (MEK) (lb/hr)	Carbon Disulfide (lb/hr)	Carbon Tetrachloride (lb/hr)	Chloro- benzene (lb/hr)	Chloroethane (Ethyl Chloride) (lb/hr)
"B" Cupola	0.1210																			
"C" Cupola	0.1120		0.0010	34.34		2.14					0.0110								0.0010	0.0010
"D" Cupola	1.1200	1.4500		31.20	3.80	2.24	0.0100	0.0008	0.0100		0.0024	0.0004	0.0113 (lab artifact)							
"D" Cupola	1.1200	1.4500		31.20	3.80	2.24	0.0100	0.0008	0.0100		0.0024	0.0004	0.0113 (lab artifact)							

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TABLE C.																	
Facility ID = 53H																	
Unit ID	Cumene (lb/hr)	Ethyl- benzene (lb/hr)	Formaldehyde (lb/hr)	Hexane (lb/hr)	Hydrochloric Acid (lb/hr)	Hydrogen Sulfide (lb/hr)	Methanol (lb/hr)	Methylene Chloride (lb/hr)	Naphthalene (lb/hr)	Phenol (lb/hr)	Styrene (lb/hr)	Toluene (lb/hr)	o-Toluidine (lb/hr)	Triethylamine (lb/hr)	Vinyl Acetate (lb/hr)	m/p- Xylenes (lb/hr)	p-Xylene (lb/hr)
"B" Cupela																	
"C" Cupela	0.0010											0.0080				0.0270	
"D" Cupela	0.0002	0.0002	0.0700	0.0226	0.1100				0.0007	0.0002	0.0003	0.0014				0.0006	0.0003
"D" Cupela	0.0002	0.0002	0.0700	0.0226	0.1100				0.0007	0.0002	0.0003	0.0014				0.0006	0.0003

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