

US EPA ARCHIVE DOCUMENT

	B	C
1	Source Description	
2		
3	Phase I ID No.	506
4	EPA ID No.	TXD008081697
5	Facility Name	BASF Corporation
6	Facility Location	
7	City	Freeport
8	State	TX
9	Unit ID Name/No.	Incinerator Unit No. In-701
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Onsite incinerator
13	Combustor Type	Liquid injection
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	
16	Soot Blowing	
17	APCS Detailed Acronym	WHB
18	APCS General Class	WHB
19	APCS Characteristics	Waste heat boiler
20	Hazardous Wastes	
21	Haz Waste Description	
22	Supplemental Fuel	
23		
24	Stack Characteristics	
25	Diameter (ft)	3.3
26	Height (ft)	0.0
27	Gas Velocity (ft/sec)	42.3
28	Gas Temperature (°F)	378.4
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	Condition Description	
2		
3	506C1	
4		
5	Report Name/Date	EPA Trial Burn Emission Testing of BASF Incinerator Unit # IN-701, BASF Corporation, Freeport, Texas, Prepared by NUS Corporation, Project # 4963, November 1986
6	Report Prepare	NUS Corp.
7	Testing Firm	NUS Corp.
8	Cond Descr	Trial burn
9	Testing Dates	Sept 25 - Oct 14, 1986
10	Cond Dates	Nov-86

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	Stack Gas Emissions 2																							
2																								
3																								
4	506C1																							
5																								
6	PM	E1	gr/dscf	y	0.0053	R1	0.0077	R2	0.0090	R3	0.0072	R4	0.0035	R5	0.0048	R6	0.0095	R7	0.0095	R8	0.0095	R9	0.0067	Cond Avg
7	CO (RA)	E1	ppmv	y	1.8	nd	1.7	nd	2.0	nd	2.02	nd	1.9	nd	1.9	nd	1.9	nd	1.9	nd	2.3	nd	2.6	2.0
8	HC (RA)	E1	ppmv	y	5.7	5.7	8.9	3.9	3.9	3.9	5.72	5.72	3.1	3.1	3.6	3.6	10.0	10.0	10.0	16.5	16.5	11.5	11.5	7.7
9																								
10																								
11	POHC DRE	Acrolein																						
12	POHC Feedrate	E1	lb/hr		262.73	386.27	386.27	397.36	397.36	373	373	313.58	313.58	279.56	279.56	189.03	189.03	279.56	279.56	279.56	279.56	279.56	279.56	279.56
13	Emission Rate	E1	lb/hr	nd	0.0189	nd	0.0251	nd	0.0222	nd	0.0234	nd	0.0184	nd	0.0159	nd	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179	0.0179
14	DRE	E1	%		99.993	99.994	99.994	99.994	99.994	99.994	99.994	99.994	99.994	99.994	99.992	99.992	99.994	99.994	99.994	99.994	99.994	99.994	99.994	99.994
15																								
16	POHC DRE	Formaldehyde																						
17	POHC Feedrate	E1	lb/hr		224.66	335.9	335.9	313.92	313.92	314	314	291.4	291.4	312.38	312.38	303.16	303.16	312.38	312.38	312.38	312.38	312.38	312.38	312.38
18	Emission Rate	E1	lb/hr	nd	0.017	nd	0.0224	nd	0.0197	nd	0.0209	nd	0.0164	nd	0.0147	nd	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
19	DRE	E1	%		99.992	99.993	99.993	99.994	99.994	99.993	99.993	99.994	99.994	99.994	99.995	99.995	99.995	99.995	99.995	99.995	99.995	99.995	99.995	99.995
20																								
21	Sampling Train	Particulate	E1																					
22	Stack Gas Flowrate		dscfm		36300	34800	34800	33200	33200	38300	38300	37900	37900	35600	35600	30400	30400	35600	35600	35600	35600	35600	35600	35600
23	O2		%		3.3	1.8	1.8	2.2	2.2	2.3	2.3	1.8	1.8	2.1	2.0	2.0	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.2
24	Moisture		%		24.6	23.2	23.2	24.6	24.6	24.7	24.7	23.7	23.7	22.6	23.7	23.7	24.6	22.6	22.6	24.6	24.6	24.6	24.6	24.6
25	Temperature		°F		380.0	383.0	383.0	384.0	384.0	380.0	380.0	379.0	379.0	374.0	379.0	379.0	372.0	374.0	374.0	372.0	372.0	375.0	375.0	375.0

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	B	C	D
1	Feedstream 2		
2			
3	506C1		
4			
5	No feedrate information available		