

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: LWD, INC.  
 2. STATE: KY  
 3. CITY: CALVERT CITY EPA ID: KYD088438817 REGION: 4  
 4. EP ID: 212 DEVICE NAME: UNIT NO. 2 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: FF/S

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN Location: STACK Phase: GAS

Stack Information

Stack Height (ft): 150 Stack Diameter (in): 60

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
212C1R1	Multiple	25442 dscfm	158	15.3	33.8
212C1R2	Multiple	24150 dscfm	160	14.9	35.5
212C1R3	Multiple	26480 dscfm	156	15.7	31.1

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: MARINE SHALE PROCESSORS, INC.

2. STATE: LA

3. CITY: MORGAN CITY

EPA ID: LAD981057706

REGION: 6

4. EP ID: 400 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: SD/FF

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LWA KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft):

Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
400C1R1	Multiple	68708 dscfm	371	10.7	39.9
400C1R2	Multiple	67227 dscfm	378	10.4	40.6
400C1R3	Multiple	66511 dscfm	379	10.5	40.6

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: MILES, INC.  
 2. STATE: WV  
 3. CITY: NEW MARTINSVILLE EPA ID: WVD056866312 REGION: 3  
 4. EP ID: 340 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/ESP/WS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: FLUIDIZED BED Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in): 36

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
340C1R1	Multiple	8916 dscfm	161	7.7	32.5
340C1R2	Multiple	9118 dscfm	158	8.8	31.1
340C1R3	Multiple	9734 dscfm	157	8.9	30.2
340C2R1	Multiple	9692 dscfm	161	7.9	31.7
340C2R2	Multiple	9289 dscfm	160	8.6	31
340C2R3	Multiple	9453 dscfm	160	7.9	31

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: MONSANTO AGRICULTURAL COMPANY  
 2. STATE: IA  
 3. CITY: MUSCATINE EPA IAD005273594 REGION: 7  
 4. EP ID: 906 DEVICE NAME: CAC INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/PT

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION Location: STACK Phase: GAS

Stack Information

Stack Height (ft): 76 Stack Diameter (in): 36

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
906C1R1	Multiple	2583 dscfm	163	12.3	
906C1R2	Multiple	2818 dscfm	172	8.7	
906C1R3	Multiple	2433 dscfm	171	9	
906C1R4	None	2242 dscfm	162	9.9	
906C2R1	Multiple	2315 dscfm	171	9.4	
906C2R2	Multiple	2223 dscfm	178	7.7	
906C2R3	Multiple	2165 dscfm	181	10.4	
906C2R4	None	2230 dscfm	174	7.8	
906C3R1	Multiple	2179 dscfm	172	7.8	
906C3R2	Multiple	2009 dscfm	169	7.8	
906C3R3	Multiple	1850 dscfm	180	7.8	
906C4R1	Multiple	2082 dscfm	185	7.3	
906C4R2	Multiple	2035 dscfm	187	6.7	
906C4R3	Multiple	2064 dscfm	181	7	
906C5R1	Multiple	2460 dscfm	216	7.8	
906C5R2	Multiple	2374 dscfm	208	7.5	
906C5R3	Multiple	2334 dscfm	192	9	

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: NEPERA  
 2. STATE: NY  
 3. CITY: HARRIMAN EPA ID: NYD002014595 REGION: 2  
 4. EP ID: 712 DEVICE NAME: INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: UNCONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION Location: STACK Phase: GAS

Stack Information

Stack Height (ft): 25 Stack Diameter (in): 60

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
712C1R1	Multiple	21430 dscfm	702	5.2	33.7
712C1R2	Multiple	20849 dscfm	715	5.1	33.8
712C1R3	Multiple	21235 dscfm	700	5.1	34.6
712C2R1	Multiple	17673 dscfm	674	5.1	35.8
712C2R2	Multiple	17773 dscfm	676	4.6	35.5
712C2R3	Multiple	17566 dscfm	686	4.4	36.5

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: NEW BEDFORD HARBOR SUPERFUND SITE  
 2. STATE: MA  
 3. CITY: NEWBEDFORD EPA ID: ? REGION: 1  
 4. EP ID: 903 DEVICE NAME: IRF SYSTEM TYPE: PILOT-SCALE INCINERATOR APC SYSTEM: VS/PT/CA/HEPA

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN Location: WS Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
903C1	Multiple	1230 dscfm	123	8.6	12.9
903C2	Multiple	1179 dscfm	133	7.8	16.5
903C3R2	Multiple	1081 dscfm	140	8.2	26.4

Additional ID Information

Process Group: ROTARY KILN Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
903C1	Multiple	1327 dscfm	123	11.1	14
903C2	Multiple	1275 dscfm	125	10	17.4
903C3R2	Multiple	1179 dscfm	150	7.9	25.3

5. Type: UNCONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
903C1	Metals	1073 dscfm	2060	6.9	10.4
903C2	Metals	1058 dscfm	2062	6	11.6
903C3R2	Metals	1098 dscfm	2060	6.9	7.4

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: OCCIDENTAL CHEMICAL CORP.  
 2. STATE: NY  
 3. CITY: NIAGARA FALLS EPA ID: NYD000824482 REGION: 2  
 4. EP ID: 348 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/AS/IWS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
348C1R1	Multiple	5930 dscfm		10.9	
348C1R2	Multiple	6177 dscfm		11.1	
348C1R3	Multiple	6071 dscfm		10.9	

5. Type: UNCONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY EXIT Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
348C1R2	Multiple	6345 dscfm	2340	4.6	16.9
348C1R3	Multiple	6317 dscfm	2341	4.6	16.3



SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: OLIN CHEMICALS  
 2. STATE: IL  
 3. CITY: EAST ALTON EPA ID: ILD006271696 REGION: 5  
 4. EP ID: 337 DEVICE NAME: UNIT NO. 2 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/DA/DI/FF

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: STARVED-AIR

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 47

Stack Diameter (in): 29

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
337C1R1	Multiple	7185 dscfm	327	17.1	7.6
337C1R2	Multiple	8898 dscfm	327	16	7.9
337C1R3	Multiple	8655 dscfm	323	16.2	8.3
337C1R4	Multiple	8932 dscfm	325	16.6	8.5
337C2R1	Multiple	9733 dscfm	308	16.7	6.4
337C2R2	Multiple	8724 dscfm	300	16.6	6.5
337C2R3	Multiple	8389 dscfm	301	16.8	6.5
337C2R4	Multiple	9455 dscfm	296	16.7	6.3

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: OLIN CHEMICALS

2. STATE: LA

3. CITY: LAKE CHARLES

EPA ID: LAD008080681

REGION: 6

4. EP ID: 714 DEVICE NAME: INCINERATOR

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft):

Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
714C1R1	Multiple	16400 dscfm	113	8.3	9.1
714C1R2	Multiple	16200 dscfm	119	8.7	10.3
714C1R3	Multiple	16700 dscfm	118	8.7	9.7
714C2R1	Multiple	15900 dscfm	118	6.9	11.9
714C2R2	Multiple	15600 dscfm	123	7.3	10.6
714C2R3	Multiple	15600 dscfm	121	7.5	10.3
714C3R1	Multiple	15900 dscfm	116	9.7	10.3
714C3R2	Multiple	15900 dscfm	119	9.1	10.6
714C3R3	Multiple	15800 dscfm	119	9.4	10
714C4R1	Multiple	15500 dscfm	100	12.7	6.5
714C4R2	Multiple	16400 dscfm	119	12.7	6.7
714C4R3	Multiple	15900 dscfm	104	13	6.6
714C5R1	Multiple	16300 dscfm	110	9.6	8.5
714C5R2	Multiple	15800 dscfm	113	9.7	8.7
714C5R3	Multiple	15800 dscfm	114	9.7	9.5

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: PENNWALT CORPORATION  
 2. STATE: NJ  
 3. CITY: THOROFARE EPA ID: NJD980753875 REGION: 2  
 4. EP ID: 824 DEVICE NAME: ISOTRON 142 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/VS/PT/DM

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION Location: STACK Phase: GAS

Stack Information

Stack Height (ft): 48 Stack Diameter (in): 7

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
824C1R1	Multiple	1084 dscfm	66	3.4	1.7
824C1R2	Multiple	1064 dscfm	68	3.1	1.8
824C1R3	Multiple	1056 dscfm	68	3.5	2

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: PFIZER, INC.  
 2. STATE: CT  
 3. CITY: GROTON EPA CTD001147495 REGION: 1  
 4. EP ID: 502 DEVICE NAME: UNITS 101/102 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/QC/PBC/VS/ES

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY HEARTH Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
502C1R1	Multiple	6210 dscfm	73	7.3	2.4
502C1R2	Multiple	6002 dscfm	71	7.7	2.3
502C1R3	Multiple	7100 dscfm	72	7.7	2.6

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: PFIZER, INC.  
 2. STATE: PR  
 3. CITY: BARCELONETA EPA ID: PRD090346090 REGION: 2  
 4. EP ID: 713 DEVICE NAME: INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: VS/PT

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft):

Stack Diameter (in): 16

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
713C1R1	Multiple	1406 dscfm	187	10.8	31.1
713C1R2	Multiple	1548 dscfm	187	10.6	29.1
713C1R3	Multiple	1554 dscfm	185	11.4	29.3

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: RADFORD ARMY AMMUNITION PLANT

2. STATE: VA

3. CITY: RADFORD

EPA ID: VA1210020730

REGION: 3

4. EP ID: 349 DEVICE NAME: UNIT 6A

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/FF/QC/PT

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 35

Stack Diameter (in): 23

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
349C1R1	Multiple	2789 dscfm	189	13.1	44.2
349C1R2	Multiple	2486 dscfm	189	14.3	45
349C1R3	Multiple	2493 dscfm	196	14.9	44.7
349C2R1	Multiple	2349 dscfm	198	12.1	46.7
349C2R2	Multiple	2460 dscfm	199	12.1	46.2
349C2R3	Multiple	2246 dscfm	191	12	47.5
349C3R1	Multiple	2180 dscfm	199	10.4	53.5
349C3R2	Multiple	2278 dscfm	195	10.6	50.6
349C3R3	Multiple	2081 dscfm	195	10.6	52.7
349C4R1	Multiple		177	14.1	37.8
349C4R2	Multiple		188	12.5	40.6
349C4R3	Multiple		189	12.9	40.6

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: ROCKY MOUNTAIN ARSENAL  
 2. STATE: CO  
 3. CITY: ADAMS COUNTY EPA ID: ? REGION: 8  
 4. EP ID: 902 DEVICE NAME: SQI SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/VS/PT

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: SUBMERGED QUENCH INC Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
902C1R1	Multiple	7696 dscfm	184	3.4	62.9
902C1R2	Multiple	7867 dscfm	183	3.6	62.7
902C1R3	Multiple	7829 dscfm	183	3.5	62.4

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: ROLLINS ENVIRONMENTAL SERVICES

2. STATE: LA

3. CITY: BATON ROUGE

EPA LAD010395127

REGION: 6

4. EP ID: 214 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: IWS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 76

Stack Diameter (in): 72

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
214C1R1	Multiple	32556 dscfm	94	11	6.4
214C1R2	Multiple	30630 dscfm	97	10.6	5.8
214C1R3	Multiple	32466 dscfm	96	11	5.9
214C2R1	Multiple	27802 dscfm	109	10.7	6
214C2R2	Multiple	29809 dscfm	112	10.3	6.8
214C2R3	Multiple	31167 dscfm	111	10.6	6.4
214C3R1	Multiple	30573 dscfm	107	9.3	6
214C3R2	Multiple	30076 dscfm	104	10	5.8
214C3R3	Multiple	29586 dscfm	99	9.7	6



SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: ROLLINS ENVIRONMENTAL SERVICES

2. STATE: NJ

3. CITY: BRIDGEPORT

EPA ID: NJD053288239

REGION: 2

4. EP ID: 216 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: HES/WS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 62

Stack Diameter (in): 77

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
216C1R1	Particulate	32900 dscfm	103	10.7	7.1
216C1R2	Particulate	33000 dscfm	106	10.2	6.1
216C1R3	Particulate	35500 dscfm	109	10.6	5.3
216C2R1	Halogens	36000 dscfm	102	10	7.9
216C2R2	Halogens	35000 dscfm	103	10.7	7
216C2R3	Halogens	36000 dscfm	103	11.2	7.3
216C3R1	Multiple	36000 dscfm	102	10	8.9
216C3R2	Multiple	36000 dscfm	102	10.7	6.4
216C3R3	Multiple	36000 dscfm	102	11.2	7.2
216C4R1	Particulate				
216C4R2	Particulate				
216C4R3	Particulate				
216C5R1	Multiple	32800 dscfm	123	8.8	6.1
216C5R2	Multiple	31350 dscfm	116	8.5	8.5
216C5R3	Multiple	31500 dscfm	118	8.9	11.1
216C6R1	Multiple	29750 dscfm	132	9	17.2
216C6R2	Multiple	29800 dscfm	131	9	16.2
216C6R3	Multiple	32600 dscfm	125	9.3	13.4
216C7R1	Multiple	38400 dscfm	76	9.9	2.1
216C7R2	Multiple	37200 dscfm	86	10.1	2.7
216C7R3	Multiple	37400 dscfm	81	8.3	2.6

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: ROLLINS ENVIRONMENTAL SERVICES

2. STATE: TX

3. CITY: DEER PARK

EPA ID: TX0055141378

REGION: 6

4. EP ID: 221 DEVICE NAME: RES (TX) INCINERATOR

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: PT

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 76

Stack Diameter (in): 72

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
221C1	Multiple	40901 dscfm	119	12.3	4.9
221C1R1	Multiple	39839 dscfm	122	11.5	4.1
221C1R2	Multiple	41252 dscfm	119	12.5	4.4
221C1R3	Multiple	47173 dscfm	121	12.8	4.7
221C2	Multiple	45000 dscfm	117	11.8	4.1
221C2R1	Multiple	44845 dscfm	112	12.1	3.9
221C2R2	Multiple	43896 dscfm	117	11.8	4
221C2R3	Multiple	46375 dscfm	118	11.6	4.5
221C3	Multiple	44714 dscfm	122	8.4	5.1
221C3R1	Multiple	45282 dscfm	113	8.4	4.9
221C3R2	Multiple	44001 dscfm	124	8.2	5.6
221C3R3	Multiple	43523 dscfm	130	8.7	3.4
221C4	Multiple	45610 dscfm	117	7.9	4.6
221C4R1	Multiple	44614 dscfm	120	8.2	4.6
221C4R2	Multiple	44222 dscfm	115	7.5	4.3
221C4R3	Multiple	45711 dscfm	118	8.2	4
221C5	Multiple	45570 dscfm	123	8.7	4.6
221C5R1	Multiple	45013 dscfm	125	9	4.6
221C5R2	Multiple	45070 dscfm	129	9.2	4.6
221C5R3	Multiple	44321 dscfm	128	7.9	5.6

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: ROSS INCINERATION SERVICES  
 2. STATE: OH  
 3. CITY: GRAFTON EPA ID: OHD048415665 REGION: 5  
 4. EP ID: 331 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN Location: STACK Phase: GAS

Stack Information

Stack Height (ft): 120 Stack Diameter (in): 72

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
331C1R1	Multiple	36100 dscfm	122	11.3	11
331C1R2	Multiple	35300 dscfm	125	11.2	12
331C1R3	Multiple	36100 dscfm	119	11	10

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: SHELL OIL CO.  
 2. STATE: CA  
 3. CITY: MARTINEZ EPA ID: CAD009164021 REGION: 9  
 4. EP ID: 726 DEVICE NAME: RM-17 INCINERATOR SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/CS/DM/VS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 100

Stack Diameter (in): 18

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
726C1R1	Multiple	3209 dscfm	139	12.4	4.7
726C1R2	Multiple	3021 dscfm	139	12.5	4.9
726C1R3	Multiple	3194 dscfm	139	12.7	3.8
726C2R1	Multiple	2980 dscfm	146	9.1	4.6
726C2R2	Multiple	2978 dscfm	147	9.5	5.4
726C2R3	Multiple	2963 dscfm	146	9.6	5.5

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: TENNESSEE EASTMAN CO.  
 2. STATE: TN  
 3. CITY: KINGSPORT EPA ID: TND003376928 REGION: 4  
 4. EP ID: 809 DEVICE NAME: NO. 1 ROTARY KILN SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: VS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
809C1R1	Multiple	26974 dscfm	170	13.2	21.3
809C1R2	Multiple	25280 dscfm	174	12.8	22.6
809C1R3	Multiple	24732 dscfm	172	13	22.6
809C2R1	Multiple	26263 dscfm	169	13.4	21.3
809C2R2	Multiple	29794 dscfm	169	13.2	21.8
809C2R3	Multiple	26101 dscfm	169	13.6	21.1

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: TENNESSEE EASTMAN CO.  
 2. STATE: TN  
 3. CITY: KINGSPORT EPA TND003376928 REGION: 4  
 4. EP ID: 810 DEVICE NAME: LIQUID CHEMICAL DEST SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: Q/V/S/PBS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION Location: STACK Phase: GAS

Stack Information

Stack Height (ft): Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
810C1R1	Multiple	15667 dscfm	213	10.7	31.4
810C1R2	Multiple	15795 dscfm	213	11.2	31.4
810C1R3	Multiple	15615 dscfm	219	10.8	31.6
810C2R1	Multiple	15045 dscfm	214	10.9	30.8
810C2R2	Multiple	14751 dscfm	218	10.9	31.3
810C2R3	Multiple	14809 dscfm	211	10.9	31.3

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: THERMALKEM  
 2. STATE: SC  
 3. CITY: ROCK HILL EPA SCD044442333 REGION: 4  
 4. EP ID: 332 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: FIXED HEARTH

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 200

Stack Diameter (in): 28

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
332C1R1	Multiple	8780 dscfm	186	9.7	52.8
332C1R2	Multiple	8230 dscfm	186	10.2	52.8
332C1R3	Multiple	8990 dscfm	179	12.4	45.3
332C1R4	Multiple	8240 dscfm	181	13	46
332C1R5	Multiple	8040 dscfm	184	13.1	48.3

US EPA ARCHIVE DOCUMENT

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: TRADE WASTE INCINERATION  
 2. STATE: IL  
 3. CITY: SAUGET EPA ID: ILD098642424 REGION: 5  
 4. EP ID: 333 DEVICE NAME: UNIT NO. 4 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN Location: STACK Phase: GAS

Stack Information

Stack Height (ft): 101 Stack Diameter (in): 48

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
333C1R1	Multiple	15371 dscfm	366	11.6	42
333C1R2	Multiple	15484 dscfm	367	11.6	42.2
333C1R3	Multiple	15950 dscfm	360	11.6	41.5
333C1R4	Multiple	15254 dscfm	363	11.6	41.7
333C2R1	Multiple	15577 dscfm	362	11.7	42.2
333C2R2	Multiple	15832 dscfm	354	11.6	41.8
333C2R3	Multiple	15984 dscfm	366	11.6	41.4
333C2R4	Multiple	16044 dscfm	362	11.6	41.9

US EPA ARCHIVE DOCUMENT



SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: UPJOHN CO.  
 2. STATE: MI  
 3. CITY: KALAMAZOO EPA MID000820381 REGION: 5  
 4. EP ID: 342 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB/QC/S/VS/DM

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 56

Stack Diameter (in): 22

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
342C1R1	Multiple	4604 dscfm	116	14.1	4.6
342C1R2	Multiple	5056 dscfm	119	11.7	4.8
342C1R3	Multiple	4980 dscfm	118	13.5	3
342C2R1	Multiple	4937 dscfm	117	11.4	3.4
342C2R2	Multiple	5079 dscfm	118	11.6	2.7
342C2R3	Multiple	5235 dscfm	110	13.5	3

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: VELVICOL CHEMICAL CORPORATION

2. STATE: TN

3. CITY: MEMPHIS

EPA ID: TND007024664

REGION: 4

4. EP ID: 905 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/VS/AS/CS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 25

Stack Diameter (in): 18

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
905C1R1	Multiple	1480 dscfm		8	28.8
905C1R2	Multiple	1470 dscfm		8	30.3
905C1R3	Multiple	1450 dscfm		8	30.3

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: VERTAC SUPERFUND SITE  
 2. STATE: AR  
 3. CITY: JACKSONVILLE EPA ? REGION: 6  
 4. EP ID: 914 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: ?

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ?

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft):

Stack Diameter (in):

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
914C1R1	Multiple	12070 dscfm	202	10.9	42.3
914C1R2	Multiple	12080 dscfm	202	10.9	42.9
914C1R3	Multiple	11655 dscfm	203	11	41.9
914C1R4	Dioxin & Furan	11420 dscfm	204	11	43.5

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: VULCAN MATERIALS CO.

2. STATE: KS

3. CITY: WICHITA

EPA ID: KSD007482029

REGION: 7

4. EP ID: 229 DEVICE NAME:

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: WHB/ACS/HCS/CS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 21

Stack Diameter (in): 12

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
229C1R2	Multiple	700 dscfm	157	5	34.6
229C1R3	Multiple	732 dscfm	157	4	35.5
229C1R4	Multiple	734 dscfm	161	4.5	35.7
229C2R1	Multiple	758 dscfm	162	5	35.3
229C2R2	Multiple	768 dscfm	163	4.4	36.6
229C2R4	Multiple	792 dscfm	162	4.5	36.5
229C3R1	Multiple	737 dscfm	117	8	12.4
229C3R2	Multiple	747 dscfm	133	6.3	13.2
229C4R1	Multiple	747 dscfm	133	6.8	17.5
229C4R2	Multiple	715 dscfm	139	5.9	20.3
229C5R1	Multiple	742 dscfm	141	2.9	16.8
229C5R2	Multiple	716 dscfm	162	3.7	35.6
229C6R1	Multiple	730 dscfm	147	2	24.3
229C6R2	Multiple	726 dscfm	146	3.7	26.2

## SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: WASTE TECHNOLOGIES INDUSTRIES

2. STATE: OH

3. CITY: EAST LIVERPOOL

EPA ID: OHD980613541

REGION: 5

4. EP ID: 222 DEVICE NAME:

SYSTEM TYPE: COMMERCIAL INCINERATOR

APC SYSTEM: WHB/SD/ESP/Q/PBS

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: ROTARY KILN

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 150

Stack Diameter (in): 72

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
222C1R1	Multiple	56124 dscfm	205	11.2	28.4
222C1R2	Multiple	55137 dscfm	202	11.4	29
222C1R3	Multiple	55567 dscfm	202	11.7	28.6
222C2R1	Multiple	47312 dscfm	203	10.8	34
222C2R2	Multiple	51360 dscfm	203	11.3	32.6
222C2R3	Multiple	58024 dscfm	201	12.7	28.4
222C3R1	Multiple	57330 dscfm	202	14.1	21.2
222C3R2	Multiple	58670 dscfm	201	14	23.2
222C3R3	Multiple	59381 dscfm	204	14.3	23.4
222C4R1	Dioxin & Furan	50776 dscfm		12.4	29.4
222C4R2	Dioxin & Furan	52350 dscfm		13.1	27.2
222C4R3	Dioxin & Furan	52375 dscfm		12.4	28.5
222C4R4	Dioxin & Furan	52719 dscfm		12.7	28.4
222C4R5	Dioxin & Furan	50098 dscfm		12.5	27.6
222C5R1	Multiple	56814 dscfm	177	14.3	25.2
222C5R2	Multiple	59606 dscfm	178	14	24.8
222C5R3	Multiple	58532 dscfm	177	14.1	25
222C5R4	Dioxin & Furan	60069 dscfm	195	14.2	26.6
222C5R5	Dioxin & Furan	58120 dscfm	192	13.6	25.8
222C5R6	Multiple	58015 dscfm	197	13.6	27.1
222C5R7	Multiple	55224 dscfm	197	13.6	27.6
222C5R8	Multiple	58650 dscfm	197	13.9	27.6
222C6R1	Multiple	56121 dscfm	197	13.6	30
222C6R2	Multiple	56866 dscfm	198	14	28
222C6R3	Multiple	56490 dscfm	198	13.6	28.6
222C6R4	Multiple	54240 dscfm	196	12.7	28.8
222C7R1	Multiple	47696 dscfm	199	12.8	27.1
222C7R2	Multiple	49670 dscfm	201	13.2	26.7
222C7R3	Multiple	48867 dscfm	200	13.4	26.8
222C7R4	Multiple	50100 dscfm	198	12.5	28.6
222C7R5	Multiple	50658 dscfm	197	12.8	27.8

SECTION 5: AIR EMISSION STREAM RATES

1. COMPANY: ZENECA  
 2. STATE: NJ  
 3. CITY: BAYONNE  
 4. EP ID: 725 DEVICE NAME: LV-3 INCINERATOR EPA ID: NJD001707944 REGION: 2  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/QT

5. Type: CONTROLLED

6. Description: EMISSIONS

Additional ID Information

Process Group: LIQUID INJECTION

Location: STACK

Phase: GAS

Stack Information

Stack Height (ft): 137

Stack Diameter (in): 11

Stream Rates and Properties

7. Run ID	Method	Process Rate	Temp (F)	Oxygen (%)	Moisture (%)
725C1R1	Multiple	841 dscfm	161	9.4	31.8
725C1R2	Multiple	854 dscfm	161	9.6	32.9
725C1R3	Multiple	813 dscfm	160	9.6	32.5
725C1R4	Multiple	788 dscfm	155	9.4	28.8
725C1R5	Multiple	753 dscfm	157	9.6	29.7
725C1R6	Multiple	736 dscfm	160	9.5	32.7
725C1R7	Multiple	762 dscfm	158	9.5	30.7
725C2R1	Multiple	930 dscfm	165	8.8	35.6
725C2R2	Multiple	1009 dscfm	164	8.8	35.4
725C2R3	Multiple	1054 dscfm	165	8.8	35.5

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: 3M  
 2. STATE: MN  
 3. CITY: COTTAGE GROVE  
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN EPA ID: MND006172969 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT REGION: 5

5. Type: SPIKE

6. Description: BULK,ORGANICS (NAPHTHALENE)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: AUGER/CONVEYER Feed Location: HIGHEND  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	137 lbs/hr		17133 Btu/lb			
334C1R2	128 lbs/hr		17201 Btu/lb			
334C1R3	128 lbs/hr		17211 Btu/lb			
334C1R4	119 lbs/hr		17241 Btu/lb			

6. Description: CONTAINERIZED,ORGANICS (MEK)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: CONVEYER/CHUTE Feed Location: HIGHEND  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C2R1	393 lbs/hr		14405 Btu/lb			
334C2R2	405 lbs/hr		14138 Btu/lb			
334C2R3	393 lbs/hr		14422 Btu/lb			
334C2R4	331 lbs/hr		14411 Btu/lb			

6. Description: CONTAINERIZED,ORGANICS (NAPHTHALENE)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: CONVEYER/CHUTE Feed Location: HIGHEND  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C2R1	402 lbs/hr		17037 Btu/lb			
334C2R2	402 lbs/hr		17170 Btu/lb			
334C2R3	402 lbs/hr		17208 Btu/lb			
334C2R4	348 lbs/hr		17323 Btu/lb			

6. Description: CONTAINERIZED,ORGANICS (TCE)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: CONVEYER/CHUTE Feed Location: HIGHEND  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C2R1	431 lbs/hr		4746 Btu/lb			
334C2R2	451 lbs/hr		4322 Btu/lb			
334C2R3	431 lbs/hr		4330 Btu/lb			
334C2R4	390 lbs/hr		4550 Btu/lb			

6. Description: SEMISOLIDS,ORGANICS (NAPHTHALENE)

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: 3M  
 2. STATE: MN  
 3. CITY: COTTAGE GROVE  
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN EPA ID: MND006172969 REGION: 5  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED PASTE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	329 lbs/hr		17167 Btu/lb			
334C1R2	274 lbs/hr		17148 Btu/lb			
334C1R3	329 lbs/hr		17214 Btu/lb			
334C1R4	329 lbs/hr		17289 Btu/lb			

5. Type: WASTE

6. Description: AQUEOUS, SPIKED METALS (CD,CR,HG,PB)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: LANCED LIQUID Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	2 lbs/hr		31 Btu/lb		67.3	
334C1R2	lbs/hr		30 Btu/lb		66.6	
334C1R3	1290 lbs/hr		30 Btu/lb		66.8	
334C1R4	1420 lbs/hr		32 Btu/lb		68	

6. Description: BULK SOLIDS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: AUGER/CONVEYER Feed Location: HIGH END  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	16875 lbs/hr		1114 Btu/lb			
334C1R2	16500 lbs/hr		550 Btu/lb			
334C1R3	10573 lbs/hr		785 Btu/lb			
334C1R4	11320 lbs/hr		616 Btu/lb			

6. Description: CHLORINATED

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: CONVENTIONAL BURNER Feed Location: HIGH END  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	1689 lbs/hr		11057 Btu/lb		57.6	
334C1R2	1633 lbs/hr		11805 Btu/lb		55.8	
334C1R3	1628 lbs/hr		11950 Btu/lb		55.8	
334C1R4	1755 lbs/hr		11900 Btu/lb		55.8	
334C2R1	1525 lbs/hr		10692 Btu/lb		58.1	
334C2R2	1838 lbs/hr		10784 Btu/lb		58.1	
334C2R3	1187 lbs/hr		10744 Btu/lb		58.1	
334C2R4	1588 lbs/hr		11000 Btu/lb		58.1	

6. Description: CONTAINERIZED SAND

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: 3M  
 2. STATE: MN  
 3. CITY: COTTAGE GROVE  
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN EPA ID: MND006172969 REGION: 5  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: CONVEYER/CHUTE Feed Location: HIGH END  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C2R1	5595 lbs/hr					
334C2R2	5542 lbs/hr					
334C2R3	4916 lbs/hr					
334C2R4	4261 lbs/hr					

6. Description: CONTRZED FLOOR DRY

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: CONVEYER/CHUTE Feed Location: HIGH END  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C2R1	970 lbs/hr					
334C2R2	1006 lbs/hr					
334C2R3	970 lbs/hr					
334C2R4	841 lbs/hr					

6. Description: ORGANIC

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: CONVENTIONAL BURNER Feed Location: HIGH END  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	493 lbs/hr		14267 Btu/lb		51.5	
334C1R2	386 lbs/hr		15913 Btu/lb		51.4	
334C1R3	716 lbs/hr		13992 Btu/lb		51.7	
334C1R4	576 lbs/hr		14073 Btu/lb		51.3	
334C2R1	673 lbs/hr		13814 Btu/lb		51.2	
334C2R2	589 lbs/hr		13067 Btu/lb		51.4	
334C2R3	670 lbs/hr		13458 Btu/lb		51.4	
334C2R4	1260 lbs/hr		13474 Btu/lb		51.4	

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: CONVENTIONAL BURNER Feed Location: TOP OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	301 lbs/hr		13077 Btu/lb		52.5	
334C1R2	491 lbs/hr		12806 Btu/lb		52.6	
334C1R3	233 lbs/hr		13089 Btu/lb		52.4	
334C1R4	202 lbs/hr		13194 Btu/lb		52.5	

6. Description: SEMI-SOLID

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: 3M  
 2. STATE: MN  
 3. CITY: COTTAGE GROVE EPA MND006172969 REGION: 5  
 4. EP ID: 334 DEVICE NAME: CHEMOLITE INCIN SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP/PT

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED PASTE Feed Location: HIGHEND  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
334C1R1	4194 lbs/hr		15006 Btu/lb			
334C1R2	4066 lbs/hr		15750 Btu/lb			
334C1R3	4234 lbs/hr		10452 Btu/lb			
334C1R4	3926 lbs/hr		15729 Btu/lb			

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: ALLIED CORPORATION  
 2. STATE: AL  
 3. CITY: BIRMINGHAM  
 4. EP ID: 324 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: ? REGION: 4  
 EPA ID: ALD031499833

5. Type: WASTE

6. Description: BATCH A

Additional ID Information

Process Group: BATCH Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: PYROLYZER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
324C1	854 lbs/hr		6968 Btu/lb			

6. Description: BATCH B

Additional ID Information

Process Group: BATCH Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: PYROLYZER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
324C2	757 lbs/hr					

6. Description: BATCH C

Additional ID Information

Process Group: BATCH Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: PYROLYZER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
324C3	841 lbs/hr					

6. Description: BATCH D

Additional ID Information

Process Group: BATCH Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: PYROLYZER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
324C4	833 lbs/hr					

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: AMERICAN CYANAMID  
 2. STATE: MO  
 3. CITY: HANNIBAL  
 4. EP ID: 805 DEVICE NAME: TRANE/BRULE EPA MOD050226075 REGION: 7  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/QS/VS/ES/PBS

5. Type: FUEL

6. Description: NATURAL GAS

Additional ID Information

Process Group: FIREBOX Location: SINGLE CHAMBER Phase: GAS

Feed Stream Information

Feed Mechanism: ? Feed Location: GAS INLET  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
805C1R1	396 dscfm					
805C1R2	376 dscfm					
805C1R3	400 dscfm					
805C2R1	490 dscfm					
805C2R2	496 dscfm					
805C2R3	495 dscfm					

Additional ID Information

Process Group: CONTROLLED AIR Location: PRIMARY CHAMBER Phase: GAS

Feed Stream Information

Feed Mechanism: ? Feed Location: GAS INLET  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
805C2R1	24 dscfm					
805C2R2	23 dscfm					
805C2R3	21 dscfm					

5. Type: WASTE

6. Description: AQUEOUS/SPIKED ORGANICS (MCB)

Additional ID Information

Process Group: FIREBOX Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: TOP OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
805C1R1	16200 lbs/hr		222 Btu/lb	2.1		14.6
805C1R2	16260 lbs/hr		207 Btu/lb	1.6		14.7
805C1R3	271 dscfm		124 Btu/lb	1.6		14.3
805C2R1	270 dscfm		2017 Btu/lb			
805C2R2	270 dscfm		211 Btu/lb			
805C2R3	270 dscfm		1112 Btu/lb			

6. Description: SPIKED ORGANICS (MCB)

Additional ID Information

Process Group: FIREBOX Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: TOP OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
805C1R1	960 lbs/hr		16073 Btu/lb	1		
805C1R2	960 lbs/hr		16179 Btu/lb	.8		
805C1R3	16 dscfm		16060 Btu/lb	1.1		
805C2R1	16 dscfm		17844 Btu/lb			
805C2R2	16 dscfm		17832 Btu/lb			
805C2R3	16 dscfm		17677 Btu/lb			

SECTION 6: OTHER STREAM RATES

1. COMPANY: AMERICAN CYANAMID  
 2. STATE: MO  
 3. CITY: HANNIBAL  
 4. EP ID: 805 DEVICE NAME: TRANE/BRULE

EPA ID: MOD050226075  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 7  
 APC SYSTEM: QT/QS/VS/ES/PBS

Additional ID Information

Process Group: CONTROLLED AIR      Location: PRIMARY CHAMBER      Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED      Feed Location: GAS INLET  
 Manufacturer: ?      Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft <sup>3</sup>	Ash (%)
805C1R1	198 lbs/hr					
805C1R2	198 lbs/hr					
805C1R3	198 lbs/hr					
805C2R1	198 lbs/hr					
805C2R2	198 lbs/hr					
805C2R3	198 lbs/hr					

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: AMOCO OIL CO.  
 2. STATE: IN  
 3. CITY: WHITING  
 4. EP ID: 806 DEVICE NAME: FLUIDIZED BED EPA ID: IND000810861 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: C/V/S REGION: 5

5. Type: FUEL

6. Description: FUEL OIL/SPIKED ORGANIC (TCE, TOLUENE)

Additional ID Information

Process Group: FLUIDIZED BED Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: CONVENTIONAL BURNER Feed Location: BOTTOM OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
806C2R1	387 lbs/hr		19911 Btu/lb		53.6	
806C2R2	384 lbs/hr		19200 Btu/lb		49.9	
806C2R3	431 lbs/hr		19000 Btu/lb		54.9	

5. Type: WASTE

6. Description: API SLUDGE,SPIKED ORGANICS (TOLUENE)

Additional ID Information

Process Group: FLUIDIZED BED Location: SINGLE CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: FEED GUN Feed Location: MIDDLE OF CHAMBER  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
806C1R1	1465 lbs/hr	52.9	3120 Btu/lb		76.1	31.7
806C1R2	1237 lbs/hr	57.2	3350 Btu/lb		64.2	29.8
806C1R3	1477 lbs/hr	55.8	3280 Btu/lb		76.7	29.8
806C2R1	2643 lbs/hr	57.5	3390 Btu/lb		74.8	29.3
806C2R2	2885 lbs/hr	56	3350 Btu/lb		81.7	29.7
806C2R3	2841 lbs/hr	55.9	3280 Btu/lb		80.5	29.6

6. Description: CAUSTIC

Additional ID Information

Process Group: FLUIDIZED BED Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: FEED GUN Feed Location: ABOVE HEARTH  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
806C1R1	3 gpm					
806C1R2	3 gpm					
806C1R3	3 gpm					
806C2R1	3 gpm					
806C2R2	2 gpm					
806C2R3	2 gpm					

6. Description: DAF CAKE,SPIKED ORGANICS (TOLUENE,TCE)

Additional ID Information

Process Group: FLUIDIZED BED Location: SINGLE CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: FEED GUN Feed Location: MIDDLE OF CHAMBER  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
806C1R1	60569 lbs/hr	78.7	3490 Btu/lb		78	7.6
806C1R2	32757 lbs/hr	77.6	3410 Btu/lb		49.9	7.9
806C1R3	50552 lbs/hr	78.2	3280 Btu/lb		79.8	7.8
806C2R1	16431 lbs/hr	78.3	3380 Btu/lb		40.5	7.3

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: AMOCO OIL CO.  
2. STATE: IN  
3. CITY: WHITING  
4. EP ID: 806

DEVICE NAME: FLUIDIZED BED

EPA ID: IND000810861  
SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: C/VS

REGION: 5

806C2R2	28026 lbs/hr	77.4	2900	Btu/lb		45.5	8
806C2R3	37243 lbs/hr	78.3	3380	Btu/lb		60.5	7.7

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: KS  
 3. CITY: COFFEYVILLE  
 4. EP ID: 325 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/IWS  
 EPA ID: KSD981506025 REGION: 7

5. Type: WASTE

6. Description:

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED LIQUID Feed Location: FRONT WALL  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
325C2R1	1102 lbs/hr	44.2	9500	Btu/lb	70.4	61.1	
325C2R2	3344 lbs/hr	60.7	10300	Btu/lb	70	62	
325C2R3	1862 lbs/hr	47.2	9500	Btu/lb	80	61	
325C3R1	648 lbs/hr	54.3	9700	Btu/lb		63.6	
325C3R2	648 lbs/hr	35.8	9200	Btu/lb	<<	66.1	
325C3R3	626 lbs/hr	59.9	8300	Btu/lb	<<	65.1	
325C3R4	707 lbs/hr						
325C3R5	778 lbs/hr						
325C3R6	583 lbs/hr						
325C4R1	1052 lbs/hr		50	Btu/lb			36.5
325C4R2	890 lbs/hr		50	Btu/lb			33.4
325C4R3	1054 lbs/hr		50	Btu/lb			29.9
325C5R1	5811 lbs/hr		50	Btu/lb			25.1
325C5R2	5036 lbs/hr		80	Btu/lb			18.3
325C5R3	5850 lbs/hr		50	Btu/lb			13.3
325C6R1	578 lbs/hr		95	Btu/lb			12.3
325C6R2	549 lbs/hr		50	Btu/lb			6.8
325C6R3	549 lbs/hr		50	Btu/lb			10.7
325C7R1	603 lbs/hr		50	Btu/lb			16.7
325C7R2	2240 lbs/hr		50	Btu/lb			15.6
325C7R3	2091 lbs/hr		50	Btu/lb			50

6. Description: AQUEOUS

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: ?  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
325C1R1	2024 lbs/hr				1.3	60.4	
325C1R2	1432 lbs/hr				1.4	58.6	
325C1R3	1072 lbs/hr				1.9	60.4	
325C2R1	531 lbs/hr				1.8	59	
325C2R2	735 lbs/hr				1.8	59.9	
325C2R3	914 lbs/hr					57.9	
325C3R1	954 lbs/hr				2.7	61.6	
325C3R2	980 lbs/hr		10555	Btu/lb	18.4	77.6	
325C4R1	2215 lbs/hr		11720	Btu/lb		71	
325C4R2	1898 lbs/hr		11900	Btu/lb		71	
325C4R3	1939 lbs/hr		12370	Btu/lb		70.5	
325C5R1	295 lbs/hr		11260	Btu/lb		74	
325C5R2	280 lbs/hr		11690	Btu/lb		72.4	
325C5R3	290 lbs/hr		11450	Btu/lb		73	
325C6R1	584 lbs/hr		10990	Btu/lb		70	
325C6R2	500 lbs/hr		10790	Btu/lb		75.5	
325C6R3	291 lbs/hr		10830	Btu/lb		75.5	
325C7R1	1312 lbs/hr		12170	Btu/lb		72	
325C7R2	1249 lbs/hr		11290	Btu/lb		72	
325C7R3	1234 lbs/hr		11360	Btu/lb		72	

6. Description: BULK SOLIDS

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: KS  
 3. CITY: COFFEYVILLE  
 4. EP ID: 325 DEVICE NAME: EPA ID: KSD981506025 REGION: 7  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/IWS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: GRAVITY Feed Location: FRONT WALL  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
325C1R1	2787 lbs/hr	17.4			53.9	
325C1R2	2890 lbs/hr	14.3			61.6	
325C1R3	2639 lbs/hr	15.4			50.6	
325C2R1	2451 lbs/hr	13.7			56.4	
325C2R2	2870 lbs/hr	14.8			65	
325C2R3	2240 lbs/hr	11.4			72.3	
325C3R1	5328 lbs/hr	11.3			71.6	
325C3R2	3326 lbs/hr	12.2			64.9	
325C3R3	4219 lbs/hr	9.2			70.9	
325C3R4	4820 lbs/hr					
325C3R5	5062 lbs/hr					
325C3R6	2972 lbs/hr					
325C4R1	1893 lbs/hr		65 Btu/lb		80.5	75.7
325C4R2	2192 lbs/hr		170 Btu/lb		81.7	75.5
325C4R3	1912 lbs/hr		155 Btu/lb		72.1	58.8
325C5R1	506 lbs/hr		75 Btu/lb		87.4	80.2
325C5R2	605 lbs/hr		80 Btu/lb		88	83.1
325C6R1	4978 lbs/hr		110 Btu/lb		80.5	72.4
325C6R2	6725 lbs/hr		160 Btu/lb		80.8	83.7
325C6R3	5737 lbs/hr		120 Btu/lb		85.8	79.3
325C7R1	1794 lbs/hr		90 Btu/lb		88.7	82.4
325C7R2	2458 lbs/hr		155 Btu/lb		92	83.7
325C7R3	2557 lbs/hr		57 Btu/lb		93	87.5

6. Description: CONTAINERIZED

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: GRAVITY Feed Location: FRONT WALL  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
325C1R1	1160 lbs/hr					
325C1R2	1057 lbs/hr					
325C1R3	1052 lbs/hr					
325C2R1	839 lbs/hr					
325C2R2	1055 lbs/hr					
325C2R3	879 lbs/hr					
325C3R1	931 lbs/hr					
325C3R2	919 lbs/hr					
325C3R3	875 lbs/hr					
325C3R4	1092 lbs/hr					
325C3R5	1193 lbs/hr					
325C3R6	1021 lbs/hr					
325C4R1	1259 lbs/hr					
325C4R2	1059 lbs/hr					
325C4R3	1301 lbs/hr					
325C5R1	1462 lbs/hr					
325C5R2	574 lbs/hr					
325C5R3	1508 lbs/hr					
325C6R1	1752 lbs/hr					
325C6R2	2003 lbs/hr					
325C6R3	2196 lbs/hr					
325C7R1	1605 lbs/hr					
325C7R2	1706 lbs/hr					
325C7R3	1423 lbs/hr					

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: KS  
 3. CITY: COFFEYVILLE  
 4. EP ID: 325 DEVICE NAME: EPA ID: KSD981506025 REGION: 7  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/IWS

6. Description: DIRECT BURN

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: DIRECT BURN BULLET Feed Location: GAS INLET  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
325C1R1	525 lbs/hr	.1	10343 Btu/lb	2.2	62.6	
325C1R2	381 lbs/hr		15717 Btu/lb	2.4	58.4	
325C1R3	338 lbs/hr		16004 Btu/lb	4.8	58.6	
325C2R1	495 lbs/hr		12539 Btu/lb	2.6	70.1	
325C2R2	512 lbs/hr	3.9	11933 Btu/lb	2.4	68.4	
325C2R3	397 lbs/hr		11030 Btu/lb	1.5	73.1	
325C5R1	14 lbs/hr		50 Btu/lb		60.6	
325C5R2	320 lbs/hr		50 Btu/lb		62.4	
325C5R3	296 lbs/hr					
325C6R1	344 lbs/hr					
325C6R2	560 lbs/hr		11180 Btu/lb		74	
325C6R3			11110 Btu/lb		75.5	
325C7R1	360 lbs/hr		50 Btu/lb		62.4	
325C7R2	326 lbs/hr		12100 Btu/lb		72.4	36.6
325C7R3	326 lbs/hr		11840 Btu/lb		73	37.1

6. Description: ORGANIC LIQUID FEED

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZING BURNER Feed Location: FRONT WALL  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
325C1R1	2805 lbs/hr	2.2	15224 Btu/lb	8.5	61.6	
325C1R2	2953 lbs/hr	2.1	15223 Btu/lb	3.9	62.4	
325C1R3	3335 lbs/hr	2.2	15772 Btu/lb	4.2	60.6	
325C2R1	2226 lbs/hr	.8	14525 Btu/lb	3.6	62.4	
325C2R2	1729 lbs/hr	.1	14407 Btu/lb	4.7	63.9	
325C2R3	2326 lbs/hr	4.5	14054 Btu/lb	4.5	61.4	
325C3R1	3548 lbs/hr	4.6	14156 Btu/lb	3.7	64.6	
325C3R2	3523 lbs/hr	5.6	14213 Btu/lb	3.9	62.1	
325C3R3	3431 lbs/hr	5.3	14206 Btu/lb	4.7	63.4	
325C3R4	3418 lbs/hr					
325C3R5	3269 lbs/hr					
325C3R6	2972 lbs/hr					
325C4R1	3958 lbs/hr					
325C4R2	4359 lbs/hr					
325C4R3	3948 lbs/hr					
325C5R1	3994 lbs/hr					
325C5R2	4168 lbs/hr					
325C5R3	3553 lbs/hr					
325C6R1	3444 lbs/hr					
325C6R2	3236 lbs/hr					
325C6R3	3258 lbs/hr					
325C7R1	3807 lbs/hr					
325C7R2	4132 lbs/hr					
325C7R3	4444 lbs/hr					

6. Description: SPIKED ORGANICS (HEXACHLOROETHANE,DCB)

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: KS  
 3. CITY: COFFEYVILLE  
 4. EP ID: 325 DEVICE NAME: EPA ID: KSD981506025 REGION: 7  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/IWS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft <sup>3</sup>	Ash (%)
325C1R1	2143 lbs/hr					
325C1R2	1980 lbs/hr					
325C1R3	2124 lbs/hr					
325C2R1	1730 lbs/hr					
325C2R2	1787 lbs/hr					
325C2R3	1767 lbs/hr					
325C3R1	1747 lbs/hr					
325C3R2	1694 lbs/hr					
325C3R3	1664 lbs/hr					

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE  
 4. EP ID: 327 DEVICE NAME: EPA UTD981552177 REGION: 8  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

5. Type: FUEL

6. Description: FUEL OIL

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C4R1	gpm		5 MMBtu/hr			
327C4R2						
327C4R3			MMBtu/hr			
327C5R1	gpm		18 MMBtu/hr			
327C5R2			MMBtu/hr			
327C5R3	gpm		10 MMBtu/hr			

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C4R1	gpm		5 MMBtu/hr			
327C4R2						
327C4R3	gpm		MMBtu/hr			
327C5R1	1 gpm		18 MMBtu/hr			
327C5R2	gpm		MMBtu/hr			
327C5R3	gpm		10 MMBtu/hr			

5. Type: SPIKE

6. Description: SULFUR

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C5R1	209 lbs/hr					
327C5R2	197 lbs/hr					
327C5R3	193 lbs/hr					

5. Type: WASTE

6. Description: APRON FEED

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: GRAVITY Feed Location: FRONT WALL  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C1R1	195 lbs/hr	.1	1699 Btu/lb		82.4	
327C2R1	591 lbs/hr	20	3326 Btu/lb		90.6	
327C2R2	513 lbs/hr	12	683 Btu/lb		131	
327C2R3	608 lbs/hr	24	4126 Btu/lb		95.7	

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE EPA UTD981552177 REGION: 8  
 4. EP ID: 327 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

327C3R1	4457 lbs/hr	11	200	Btu/lb	145.3
327C3R2	834 lbs/hr	13	200	Btu/lb	124.4
327C3R3	5203 lbs/hr	20	200	Btu/lb	134.6
327C4R1	5504 lbs/hr		5250	Btu/lb	
327C4R2	7148 lbs/hr		5260	Btu/lb	
327C4R3	6692 lbs/hr		5260	Btu/lb	
327C5R1	5006 lbs/hr		5253	Btu/lb	
327C5R2	8248 lbs/hr		5249	Btu/lb	
327C5R3	7085 lbs/hr		5250	Btu/lb	

6. Description: AQUEOUS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: FRONT WALL OF KILN  
 Manufacturer: ? Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C1R1	1541 lbs/hr	95	200 Btu/lb		63.7	
327C1R2	1901 lbs/hr	95	200 Btu/lb		61.8	
327C1R3	1958 lbs/hr	95	200 Btu/lb		61.8	
327C2R1	1141 lbs/hr	95	200 Btu/lb		62.9	
327C2R2	1296 lbs/hr	95	200 Btu/lb		63.2	
327C2R3	1297 lbs/hr	95	200 Btu/lb		63.6	
327C3R1	1195 lbs/hr	95	200 Btu/lb		62.2	
327C3R2	931 lbs/hr	95	200 Btu/lb		63.1	
327C3R3	588 lbs/hr	95	200 Btu/lb		63.7	

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C4R1	1338 lbs/hr		1195 Btu/lb			
327C4R2	1422 lbs/hr		1195 Btu/lb			
327C4R3	1590 lbs/hr		1194 Btu/lb			
327C5R1	1428 lbs/hr		1190 Btu/lb			
327C5R2	1572 lbs/hr		1208 Btu/lb			
327C5R3	1344 lbs/hr		1190 Btu/lb			

6. Description: BLENDED LIQUID

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C4R1	486 lbs/hr		43209 Btu/lb			
327C4R2	528 lbs/hr		41098 Btu/lb			
327C4R3	390 lbs/hr		33333 Btu/lb			
327C5R1	282 lbs/hr		68085 Btu/lb			
327C5R2	180 lbs/hr		57777 Btu/lb			
327C5R3	312 lbs/hr		69551 Btu/lb			

6. Description: BLENDED LIQUID FEED

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE EPA UTD981552177 REGION: 8  
 4. EP ID: 327 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: CONVENTIONAL BURNER Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
327C1R1	6044 lbs/hr	8	11152	Btu/lb		72.4	
327C1R2	5423 lbs/hr	6	11168	Btu/lb		72.4	
327C1R3	4658 lbs/hr	6	12500	Btu/lb		70.5	
327C2R1	5148 lbs/hr	.1	12060	Btu/lb		70.9	
327C2R2	5988 lbs/hr	2	11450	Btu/lb		71.9	
327C2R3	5889 lbs/hr	2	11525	Btu/lb		71.9	
327C3R1	5946 lbs/hr	2	11087	Btu/lb		72.1	
327C3R2	6300 lbs/hr	6	10845	Btu/lb		71.8	
327C3R3	3244 lbs/hr	4	11103	Btu/lb		71.7	
327C4R1	822 lbs/hr		25547	Btu/lb			
327C4R2	834 lbs/hr		26019	Btu/lb			
327C4R3	420 lbs/hr		30952	Btu/lb			
327C5R1	918 lbs/hr		20915	Btu/lb			
327C5R2	474 lbs/hr		21940	Btu/lb			
327C5R3	1044 lbs/hr		20785	Btu/lb			

6. Description: CONTAINERS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
327C4R1	2534 lbs/hr		7734	Btu/lb			
327C4R2	2542 lbs/hr		9992	Btu/lb			
327C4R3	4131 lbs/hr		9997	Btu/lb			
327C5R1	2447 lbs/hr		9767	Btu/lb			
327C5R2	3532 lbs/hr		7701	Btu/lb			
327C5R3	3380 lbs/hr		6035	Btu/lb			

6. Description: DIRECT BURN

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
327C1R1	90780 lbs/hr	.1	9926	Btu/lb		86.2	
327C1R2	746 lbs/hr	2	9134	Btu/lb		86.2	
327C1R3	684 lbs/hr	15	8883	Btu/lb		85.5	
327C2R1	816 lbs/hr	95	200	Btu/lb		61.9	
327C2R2	569 lbs/hr	95	200	Btu/lb		62	
327C2R3	584 lbs/hr	95	200	Btu/lb		61.9	
327C3R1	906 lbs/hr	80	3515	Btu/lb		62.2	
327C3R2	754 lbs/hr	50	3323	Btu/lb		62.4	
327C3R3	526 lbs/hr	50	5314	Btu/lb		62.9	

6. Description: PUMPABLE

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: APTUS  
 2. STATE: UT  
 3. CITY: ARAGONITE EPA UTD981552177 REGION: 8  
 4. EP ID: 327 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: SD/FF/WS/ESP

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED LIQUID Feed Location: FRONT WALL OF KILN  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
327C1R1	1900 lbs/hr	95	200 Btu/lb		63.7	
327C1R2	3902 lbs/hr	95	200 Btu/lb		63.1	
327C1R3	3642 lbs/hr	95	200 Btu/lb		63.7	
327C2R1	1147 lbs/hr	95	200 Btu/lb		63.2	
327C2R2	867 lbs/hr	95	200 Btu/lb		62.3	
327C2R3	1009 lbs/hr	95	200 Btu/lb		62.1	
327C3R1	750 lbs/hr	95	200 Btu/lb		61.6	
327C3R2	265 lbs/hr	95	200 Btu/lb		61.9	
327C3R3	217 lbs/hr	95	200 Btu/lb		62.2	
327C5R1	273 lbs/hr					
327C5R2	486 lbs/hr					
327C5R3	490 lbs/hr					

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: ARISTECH CHEMICAL  
 2. STATE: CA  
 3. CITY: COLTON  
 4. EP ID: 703 DEVICE NAME: INCINERATOR EPA ID: CAD091933895 REGION: 9  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WHB

5. Type: SPIKE

6. Description: DRUMS ORGANICS (CB,DIOXANE)

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: FRONT END  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
703C1R1	7 lbs/hr					
703C1R2	7 lbs/hr					
703C1R3	6 lbs/hr					
703C2R1	5 lbs/hr					
703C2R2	7 lbs/hr					
703C2R3	10 lbs/hr					

5. Type: WASTE

6. Description: DISTILLATE FEED

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: FRONT END  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
703C1R1	375 lbs/hr		2760 Btu/lb			
703C1R2	360 lbs/hr		2550 Btu/lb			
703C1R3	375 lbs/hr		2909 Btu/lb			
703C2R1	560 lbs/hr		2825 Btu/lb			
703C2R2	550 lbs/hr		2967 Btu/lb			
703C2R3	545 lbs/hr		2952 Btu/lb			

6. Description: FUMES

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: GAS

Feed Stream Information

Feed Mechanism: INJECTION Feed Location: FRONT END  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
703C1R1	400 dscfm					
703C1R2	310 dscfm					
703C1R3	260 dscfm					
703C2R1	230 dscfm					
703C2R2	220 dscfm					
703C2R3	280 dscfm					

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: ASHLAND CHEMICAL COMPANY  
 2. STATE: CA  
 3. CITY: LOS ANGELES  
 4. EP ID: 704 DEVICE NAME: INCINERATOR EPA ID: CAD0440046274 REGION: 9  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: WASTE

6. Description: AQUEOUS

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: METER PUMP Feed Location: FRONT END  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
704C1R1	1014 lbs/hr		1038 Btu/lb	1.1	62.9	
704C1R2	948 lbs/hr		1204 Btu/lb	1.1	62.9	
704C1R3	948 lbs/hr		1243 Btu/lb	1.1	62.9	
704C2R1	797 lbs/hr		905 Btu/lb	1.1	62.9	
704C2R2	797 lbs/hr		974 Btu/lb	1.1	62.9	
704C2R3	817 lbs/hr		1062 Btu/lb	1.1	62.9	

6. Description: FUMES

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: GAS

Feed Stream Information

Feed Mechanism: BLOWER Feed Location: FRONT END  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
704C1R1	82 dscfm	4.9				
704C1R2	193 dscfm	2.6				
704C1R3	119 dscfm	5.5				
704C2R1	50 dscfm	29.9				
704C2R2	104 dscfm	17.9				
704C2R3	104 dscfm	2.2				

6. Description: ORGANIC

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: METER PUMP Feed Location: FRONT END  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
704C1R1	16764 lbs/hr		15720 Btu/lb	.7	53	
704C1R2	15360 lbs/hr		18140 Btu/lb	.7	53	
704C1R3	17104 lbs/hr		15980 Btu/lb	.7	53	
704C2R1	14524 lbs/hr		17450 Btu/lb	.8	55.5	
704C2R2	14168 lbs/hr		14720 Btu/lb	.8	55.5	
704C2R3	14391 lbs/hr		14720 Btu/lb	.8	55.5	

6. Description: TOTAL INPUT

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: Feed Location:  
 Manufacturer: Number of Burners:

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
704C1R1						
704C1R2						
704C1R3						
704C2R1						

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: ATOCHEM  
 2. STATE: KY  
 3. CITY: CARROLLTON EPA KYD006373922 REGION: 4  
 4. EP ID: 359 DEVICE NAME: SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/S

5. Type: BA ASH

6. Description: KILN

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
359C1R1						
359C1R2						
359C1R3						
359C1R4						
359C2R1						
359C2R2						
359C2R3						
359C3R1						
359C3R2						
359C3R3						

5. Type: FF ASH

6. Description:

Additional ID Information

Process Group: ROTARY KILN Location: FF Phase: SOLID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
359C1R1						
359C1R2						
359C1R3						
359C1R4						
359C2R1						
359C2R2						
359C2R3						
359C3R1						
359C3R2						
359C3R3						

5. Type: WASTE

6. Description:

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED PASTE Feed Location: ?  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
359C1R1	2065 lbs/hr			<<	92.9	18.4
359C1R2	1703 lbs/hr			44	76.1	20.8
359C1R3	2025 lbs/hr			23	89.8	18.9
359C1R4	1872 lbs/hr			16	80.5	17.4
359C2R1	2135 lbs/hr			25	84.2	19.1
359C2R2	2247 lbs/hr			30	86.7	19.4
359C2R3	2327 lbs/hr			41	89.8	19.1
359C3R1	2043 lbs/hr			4	72.3	14

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: ATOCHEM  
 2. STATE: KY  
 3. CITY: CARROLLTON  
 4. EP ID: 359 DEVICE NAME: EPA ID: KYD006373922 REGION: 4  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: WHB/FF/S

359C3R2	2536 lbs/hr			12	89.8	16.5
359C3R3	2473 lbs/hr			9	87.3	14.7
359C4R1	2 gpm					
359C4R2	2 gpm					
359C4R3	2 gpm					
359C4R4	2 gpm					
359C5R1	2 gpm					
359C5R2	2 gpm					
359C5R3	2 gpm					
359C5R4	2 gpm					
359C6R1	1 gpm					
359C6R2	2 gpm					
359C6R3	1 gpm					
359C6R4	2 gpm					

6. Description: SOLVENT

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: DUAL FUEL BURNER Feed Location: ?  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
359C1R1	958 lbs/hr		11000	Btu/lb	1.9	57.7	2.7
359C1R2	1009 lbs/hr		11000	Btu/lb	1.9	57.8	2.3
359C1R3	1105 lbs/hr		11000	Btu/lb	1.9	57.7	2.9
359C1R4	1012 lbs/hr		11000	Btu/lb	1.7	57.1	2.1
359C2R1	963 lbs/hr		11000	Btu/lb	1.7	57.1	1.7
359C2R2	1111 lbs/hr		11000	Btu/lb	1.7	56.9	1.4
359C2R3	1071 lbs/hr		11000	Btu/lb	1.7	57.1	1.8
359C3R1	1160 lbs/hr		11000	Btu/lb	1.7	57	1.4
359C3R2	1054 lbs/hr		11000	Btu/lb	1.7	57	2
359C3R3	1012 lbs/hr		11000	Btu/lb	1.7	57.2	2.3
359C4R1	1136 lbs/hr						
359C4R2	1159 lbs/hr		9363	Btu/lb			
359C4R3	1212 lbs/hr		9349	Btu/lb			
359C4R4	1131 lbs/hr		9326	Btu/lb			
359C5R1	1164 lbs/hr		9467	Btu/lb			
359C5R2	1039 lbs/hr		9536	Btu/lb			
359C5R3	1147 lbs/hr		9728	Btu/lb			
359C5R4	1260 lbs/hr						
359C6R1	1036 lbs/hr		9052	Btu/lb			
359C6R2	1140 lbs/hr		9341	Btu/lb			
359C6R3	1041 lbs/hr		9540	Btu/lb			
359C6R4	960 lbs/hr						

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: BROS LAGOON AND CLEANUP SITE  
 2. STATE: NJ  
 3. CITY: BRIDGEPORT  
 4. EP ID: 807 DEVICE NAME: MWP-2001  
 EPA ID: NJD890764328  
 SYSTEM TYPE: ONSITE INCINERATOR  
 REGION: 2  
 APC SYSTEM: C/WHB/VQ/PT/HS/DM

6. Description: ORGANICS (CCL4,MCB)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: LINDE Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
807C1R1	144 lbs/hr					
807C1R2	150 lbs/hr					
807C1R3	158 lbs/hr					
807C2R1	194 lbs/hr					
807C2R2	196 lbs/hr					
807C2R3	179 lbs/hr					
807C2R4	95 lbs/hr					
807C3R1	190 lbs/hr					
807C3R2	197 lbs/hr					
807C3R3	96 lbs/hr					
807C3R4	204 lbs/hr					

6. Description: ORGANICS (PCB OIL)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: LINDE Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
807C1R1	166 lbs/hr					
807C1R2	144 lbs/hr					
807C1R3	174 lbs/hr					
807C2R1	203 lbs/hr					
807C2R2	219 lbs/hr					
807C2R3	223 lbs/hr					
807C3R1	242 lbs/hr					
807C3R2	244 lbs/hr					
807C3R4	223 lbs/hr					

6. Description: SLURRY/METALS (AS,CD,CR)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: LINDE Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
807C1B1	7 lbs/hr					
807C1B2	3 lbs/hr					
807C1B3	3 lbs/hr					
807C2B2	6 lbs/hr					
807C2B3	7 lbs/hr					
807C2B4	7 lbs/hr					
807C3B4	7 lbs/hr					
807C3B5	3 lbs/hr					
807C3B6	5 lbs/hr					

5. Type: WASTE

6. Description: DIRT FEED

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: BROS LAGOON AND CLEANUP SITE  
 2. STATE: NJ  
 3. CITY: BRIDGEPORT  
 4. EP ID: 807 DEVICE NAME: MWP-2001

EPA NJD890764328  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 2  
 APC SYSTEM: C/WHB/VQ/PT/HS/DM

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
807C1B1	34350 lbs/hr	8.5				88.3
807C1B2	32034 lbs/hr	12.4				84.8
807C1B3	33942 lbs/hr	10.8				88.1
807C2B2	50268 lbs/hr	11.8				87.5
807C2B3	42876 lbs/hr	12				86.6
807C2B4	50772 lbs/hr	10.7				87.5
807C3B4	39402 lbs/hr	9.7				90.9
807C3B5	39396 lbs/hr	9				91.8
807C3B6	41046 lbs/hr	9.7				91.2

6. Description: PROCESS WATER

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
807C1B1	4332 lbs/hr					
807C1B2	4602 lbs/hr					
807C1B3	4302 lbs/hr					
807C2B2	4434 lbs/hr					
807C2B3	4338 lbs/hr					
807C2B4	4422 lbs/hr					
807C3B4	4416 lbs/hr					
807C3B5	4854 lbs/hr					
807C3B6	5106 lbs/hr					

SECTION 6: OTHER STREAM RATES

1. COMPANY: BURROUGHSWELLCOME  
 2. STATE: NC  
 3. CITY: GREENVILLE  
 4. EP ID: 708 DEVICE NAME: MCGILL NO 2 INCIN. EPA ID: NCD047373766 REGION: 4  
 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: WS/ESP

5. Type: WASTE

6. Description: ORGANIC "A"

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUIDS Feed Location: FRONT OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
708C1R1	595 lbs/hr	26	8930	Btu/lb		57	4.8
708C1R2	596 lbs/hr	23.5	9010	Btu/lb		56.7	4.4
708C1R3	603 lbs/hr	21.3	9620	Btu/lb		56.6	3.6
708C2R1	608 lbs/hr	22.1	9510	Btu/lb		55.8	3.4
708C2R2	603 lbs/hr	23.6	9110	Btu/lb		56.1	4.1
708C2R3	608 lbs/hr	25.4	8990	Btu/lb		56.3	4.4
708C3R1	650 lbs/hr	24.4	8880	Btu/lb		56.3	4.5
708C3R2	636 lbs/hr	25.2	8840	Btu/lb		56.7	4.6
708C3R3	637 lbs/hr	25	8800	Btu/lb		56.7	4.5

6. Description: ORGANIC "B"

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUIDS Feed Location: FRONT OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
708C1R1	205 lbs/hr	26	8930	Btu/lb		57	4.8
708C1R2	205 lbs/hr	23.5	9010	Btu/lb		56.7	4.4
708C1R3	206 lbs/hr	21.3	9620	Btu/lb		56.6	6.3
708C2R1	204 lbs/hr	22.1	9510	Btu/lb		55.8	3.4
708C2R2	204 lbs/hr	23.6	9110	Btu/lb		56.1	4.1
708C2R3	205 lbs/hr	25.4	8990	Btu/lb		56.3	4.4
708C3R1	203 lbs/hr	25.4	8880	Btu/lb		56.3	4.5
708C3R2	204 lbs/hr	25.2	8840	Btu/lb		56.7	4.6
708C3R3	206 lbs/hr	25	8800	Btu/lb		56.7	4.5



SECTION 6: OTHER STREAM RATES

1. COMPANY: CARGILL CHEMICAL PRODUCTS DIVISION  
 2. STATE: CA  
 3. CITY: LYNWOOD  
 4. EP ID: 709 DEVICE NAME: HIRT COMBUSTION ENG. EPA ID: CAD076180843 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE REGION: 9

5. Type: WASTE

6. Description: SPIKED ORGANICS (CCL4,BENZENE,TCE)

Additional ID Information

Process Group: LIQUID INJECTION Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: MIDDLE OF CHAMBER  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
709C1R1	15 lbs/hr					
709C1R2	15 lbs/hr					
709C1R3	15 lbs/hr					

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEMICAL WASTE MANAGEMENT  
 2. STATE: IL  
 3. CITY: CHICAGO

EPA ID: ILD000672121  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

5. Type: FUEL

6. Description: OIL

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: KILN BURNER Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	462 lbs/hr		18578 Btu/lb		59.3	
329C1R2	504 lbs/hr		18430 Btu/lb		59.5	
329C1R3	510 lbs/hr		18513 Btu/lb		59.8	
329C1R4	504 lbs/hr		18474 Btu/lb		59.9	
329C1R6	468 lbs/hr					
329C1R8	450 lbs/hr					

5. Type: SPIKE

6. Description: METALS (AS,CD,CR,HG,PB)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1						
329C1R2						
329C1R3						
329C1R4						

6. Description: ORGANICS (CARBON TETRACHLORIDE)

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R6	546 lbs/hr					
329C1R8	573 lbs/hr					

6. Description: ORGANICS (TETRACHLOROBENZENE)

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R6	744 lbs/hr					
329C1R8	792 lbs/hr					

6. Description: ORGANICS (TRICHLOROBENZENE)

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEMICAL WASTE MANAGEMENT  
 2. STATE: IL  
 3. CITY: CHICAGO

EPA ILD000672121  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	996 lbs/hr					
329C1R2	720 lbs/hr					
329C1R3	672 lbs/hr					
329C1R4	720 lbs/hr					
329C1R6	744 lbs/hr					
329C1R8	792 lbs/hr					

5. Type: WASTE

6. Description: ALTERNATE ENERGY

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	780 lbs/hr		7128 Btu/lb			
329C1R2	360 lbs/hr		5396 Btu/lb			
329C1R3	726 lbs/hr		6131 Btu/lb			
329C1R4	540 lbs/hr		7388 Btu/lb			
329C1R6	574 lbs/hr					
329C1R8	54 lbs/hr					

6. Description: AMERICAN CYANAMID

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	1200 lbs/hr		177 Btu/lb			
329C1R2	690 lbs/hr		45 Btu/lb			
329C1R3	738 lbs/hr					
329C1R4	744 lbs/hr		94 Btu/lb			
329C1R6	1068 lbs/hr					
329C1R8	414 lbs/hr					

6. Description: AQUEOUS

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: KILN BURNER Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	4 gpm		46 Btu/lb	30.3		
329C1R2	5 gpm		28 Btu/lb	30.3		
329C1R3	5 gpm		118 Btu/lb	30.5		
329C1R4	5 gpm		120 Btu/lb	30.1		
329C1R6	5 gpm					

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEMICAL WASTE MANAGEMENT  
 2. STATE: IL  
 3. CITY: CHICAGO  
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

329C1R8	5 gpm					
---------	-------	--	--	--	--	--

6. Description: BALLASTS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	58 lbs/hr					
329C1R2	261 lbs/hr					
329C1R3	53 lbs/hr					
329C1R4	106 lbs/hr					

6. Description: CAPACITORS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	227 lbs/hr					
329C1R2	114 lbs/hr					
329C1R4	53 lbs/hr					

6. Description: CLEAN HARBOR

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R6	124 lbs/hr					
329C1R8	594 lbs/hr					

6. Description: FMC

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	55 lbs/hr		2013 Btu/lb			
329C1R2	26 lbs/hr		3599 Btu/lb			
329C1R3	25 lbs/hr		2423 Btu/lb			
329C1R4	74 lbs/hr		2727 Btu/lb			
329C1R6	50 lbs/hr					
329C1R8	76 lbs/hr					

6. Description: HONEYWELL

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEMICAL WASTE MANAGEMENT  
 2. STATE: IL  
 3. CITY: CHICAGO  
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R2	171 lbs/hr		102 Btu/lb			
329C1R4	106 lbs/hr		138 Btu/lb			
329C1R6	54 lbs/hr					
329C1R8	702 lbs/hr					

6. Description: LAB PACKS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: RAM FEED CONTAINERS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	324 lbs/hr					
329C1R2	330 lbs/hr					
329C1R3	364 lbs/hr					
329C1R4	306 lbs/hr					
329C1R6	313 lbs/hr					
329C1R8	301 lbs/hr					

6. Description: ORGANIC

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	816 lbs/hr		15797 Btu/lb	52.8		
329C1R2	810 lbs/hr		15970 Btu/lb	53.2		
329C1R3	858 lbs/hr		15859 Btu/lb	52.8		
329C1R4	828 lbs/hr		15949 Btu/lb	54.4		
329C1R6	786 lbs/hr					
329C1R8	750 lbs/hr					

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
329C1R1	5916 lbs/hr		15265 Btu/lb	16.2		
329C1R2	5580 lbs/hr		15306 Btu/lb	16.2		
329C1R3	5880 lbs/hr		15220 Btu/lb	12.7		
329C1R4	5760 lbs/hr		14195 Btu/lb	15.4		
329C1R6	6072 lbs/hr					
329C1R8	5592 lbs/hr					

6. Description: TRANSFORMERS

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEMICAL WASTE MANAGEMENT  
 2. STATE: IL  
 3. CITY: CHICAGO  
 4. EP ID: 329 DEVICE NAME:

EPA ID: ILD000672121  
 SYSTEM TYPE: COMMERCIAL INCINERATOR APC SYSTEM: PT/IWS

REGION: 5

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft <sup>3</sup>	Ash (%)
329C1R6	54 lbs/hr					
329C1R8	35 lbs/hr					

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: CA  
 3. CITY: RICHMOND EPA CAD043237486 REGION: 9  
 4. EP ID: 500 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/KOV/DM

5. Type: BLOWDOWN

6. Description:

Additional ID Information

Process Group: LIQUID INJECTION Location: VENTURI SCRUBBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C4R1	104 gpm					
500C4R2	103 gpm					
500C4R3	92 gpm					
500C4R4	108 gpm					

5. Type: SPIKE

6. Description: ORGANICS (TOLUENE)

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C4R1	21 lbs/hr					
500C4R2	49 lbs/hr					
500C4R4	49 lbs/hr					

5. Type: WASTE

6. Description: OGA-480

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C1R1	2950 lbs/hr		990 Btu/lb	1.3		
500C1R2	2940 lbs/hr		834 Btu/lb	1.3		
500C1R3	2950 lbs/hr		908 Btu/lb	1.4		
500C1R4	2930 lbs/hr					
500C2R1	3160 lbs/hr		800 Btu/lb	1.3		
500C2R2	2080 lbs/hr		847 Btu/lb	1.3		
500C2R3	2640 lbs/hr		780 Btu/lb	1.4		
500C3R1	3040 lbs/hr		971 Btu/lb	1.4		
500C3R2	2860 lbs/hr		910 Btu/lb	1.4		
500C3R3	2883 lbs/hr		887 Btu/lb			
500C4R1	1298 lbs/hr		1 Btu/lb	.9		8.6
500C4R2	1306 lbs/hr		1 Btu/lb	1.2		7.4
500C4R3	1360 lbs/hr		1 Btu/lb	1.2		6.9
500C4R4	1351 lbs/hr				67.4	

6. Description: ORTHENE AQUEOUS

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: CA  
 3. CITY: RICHMOND EPA CAD043237486 REGION: 9  
 4. EP ID: 500 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/KOV/DM

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C1R1	19760 lbs/hr		1129 Btu/lb	1.5		1.5
500C1R2	20310 lbs/hr		1093 Btu/lb	1.5		.6
500C1R3	20070 lbs/hr		1231 Btu/lb	1.6		.6
500C1R4	19250 lbs/hr					
500C2R1	20210 lbs/hr		1198 Btu/lb	1.5		.5
500C2R2	20640 lbs/hr		1086 Btu/lb	1.6		.4
500C2R3	20370 lbs/hr		1228 Btu/lb	1.5		.6
500C3R1	18400 lbs/hr		1245 Btu/lb	1.5		1.4
500C3R2	18260 lbs/hr		1114 Btu/lb	1.5		1.4
500C3R3	20097 lbs/hr		1184 Btu/lb			1.1
500C4R1	1298 lbs/hr		1 Btu/lb	1		.5
500C4R2	9944 lbs/hr		1 Btu/lb	1		.7
500C4R3	9315 lbs/hr		1 Btu/lb	.9		.5
500C4R4	9385 lbs/hr				66.1	

6. Description: ORTHENE HC

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C4R1	605 lbs/hr		1 Btu/lb	2		12
500C4R2	612 lbs/hr		1 Btu/lb	2		12.6
500C4R3	597 lbs/hr		1 Btu/lb	2.1		13.4
500C4R4	586 lbs/hr				72.4	

6. Description: ORTHENE HC (BOTTOM)

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C1R1	450 lbs/hr		1805 Btu/lb	2.2		6.7
500C1R2	2790 lbs/hr		18084 Btu/lb			
500C1R3	1300 lbs/hr		2095 Btu/lb	4.3		17.5
500C1R4	1940 lbs/hr		2097 Btu/lb	4.6		
500C2R1	3410 lbs/hr		13186 Btu/lb			
500C2R2	1090 lbs/hr		5068 Btu/lb	.9		1.6
500C2R3	3370 lbs/hr		13163 Btu/lb			
500C3R1	2240 lbs/hr		3146 Btu/lb	3.6		14.9
500C3R2	1180 lbs/hr		5816 Btu/lb	.8		.5
500C3R3	2243 lbs/hr		3747 Btu/lb	3.1		11.4

6. Description: ORTHENE HC (TOP)

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: CA  
 3. CITY: RICHMOND EPA CAD043237486 REGION: 9  
 4. EP ID: 500 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/KOV/DM

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C1R1	1650 lbs/hr		11643 Btu/lb	1.2		.1
500C1R2	2250 lbs/hr		1876 Btu/lb	2.5		4.1
500C1R3	996 lbs/hr		10208 Btu/lb	1		.4
500C1R4	491 lbs/hr		6848 Btu/lb	.9		
500C2R1	2490 lbs/hr		5437 Btu/lb	.8		.4
500C2R2	1150 lbs/hr		2060 Btu/lb	3.5		16.1
500C2R3	1990 lbs/hr		2141 Btu/lb	3.5		16
500C3R1	70 lbs/hr		7999 Btu/lb	.9		1.4
500C3R2	1090 lbs/hr		2240 Btu/lb	4.1		16.8
500C3R3	45 lbs/hr		5534 Btu/lb	1.1		9.9

6. Description: ORTHENE OFF-GAS

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: GAS

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C4R1	84 gpm					
500C4R2	81 gpm					
500C4R3	81 gpm					
500C4R4	78 gpm					

6. Description: PLANT 2 AQUEOUS

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
500C1R1	7110 lbs/hr		192 Btu/lb			.9
500C1R2	5990 lbs/hr		180 Btu/lb	1.2		.5
500C1R3	5730 lbs/hr		108 Btu/lb	1.2		.2
500C1R4	3930 lbs/hr					
500C2R1	3340 lbs/hr		27 Btu/lb	1.3		1.9
500C2R2	3480 lbs/hr		895 Btu/lb	1.2		1.8
500C2R3	3400 lbs/hr		141 Btu/lb	1.2		1.7
500C3R1	2860 lbs/hr		138 Btu/lb	1.2		.3
500C3R2	2820 lbs/hr		616 Btu/lb	1.2		.5
500C3R3	2983 lbs/hr		209 Btu/lb			.6
500C4R1	2293 lbs/hr		1 Btu/lb	.7		.5
500C4R2	2285 lbs/hr		1 Btu/lb	.7		.2
500C4R3	2287 lbs/hr		1 Btu/lb	.7		.1
500C4R4	2319 lbs/hr				63	

6. Description: SYNTHETIC HC

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: CA  
 3. CITY: RICHMOND  
 4. EP ID: 500 DEVICE NAME:

EPA ID: CAD043237486  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 9  
 APC SYSTEM: QC/VS/KOV/DM

Additional ID Information

Process Group: LIQUID INJECTION                      Location: PRIMARY CHAMBER                      Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED LIQUID                      Feed Location: COMBUSTOR INLET  
 Manufacturer: JOHN ZINK                      Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft <sup>3</sup>	Ash (%)
500C1R1	2940 lbs/hr		18199	Btu/lb	1.3		
500C1R2	2790 lbs/hr		18084	Btu/lb	1.3		
500C1R3	2980 lbs/hr		17995	Btu/lb	1.2		
500C1R4	2980 lbs/hr		17936	Btu/lb	1.3		
500C2R1	3410 lbs/hr		13186	Btu/lb	1.2		
500C2R2	3420 lbs/hr		13045	Btu/lb	1.2		
500C2R3	3370 lbs/hr		13163	Btu/lb	1.2		
500C3R1	3670 lbs/hr		10723	Btu/lb	1.2		
500C3R2	3660 lbs/hr		11049	Btu/lb	1.2		
500C3R3	3127 lbs/hr		11114	Btu/lb	3.1		

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: LA  
 3. CITY: BELL CHASSE  
 4. EP ID: 711 DEVICE NAME: INCINERATOR EPA ID: LAD034199802 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: C/V/S/AS REGION: 6

5. Type: WASTE

6. Description: OLOA 330A & 237 OVER

Additional ID Information

Process Group: HOR. LIQUID FIRED Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
711C1R1	512 lbs/hr		14981	Btu/lb	16.8	55.1	.3
711C1R2	500 lbs/hr		15580	Btu/lb	11.8	55.2	.2
711C1R3	555 lbs/hr		15192	Btu/lb	12.3	54.9	.2
711C3R1	550 lbs/hr		14760	Btu/lb	17.2	54.9	.2
711C3R2	463 lbs/hr		13936	Btu/lb	15.7	55	.3
711C3R3	506 lbs/hr		14784	Btu/lb	17.5	54.9	.3

6. Description: SPIKED ORGANICS (TCE,TOLUENE)

Additional ID Information

Process Group: ROTARY HEARTH Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: GRAVITY Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
711C2R1	1765 lbs/hr	10.3	10343	Btu/lb		75.8	31.5
711C2R2	1949 lbs/hr	1.9	10806	Btu/lb		110.4	32.3
711C2R3	1921 lbs/hr	1.9	11253	Btu/lb		72.5	28.5
711C2R4	3 gpm			Btu/lb			32.5
711C2R5	2 gpm			Btu/lb			32.5
711C3R1	1862 lbs/hr	2.7	10314	Btu/lb		74.8	34.9
711C3R2	1156 lbs/hr	2	12490	Btu/lb		68.6	25.6
711C3R3	1421 lbs/hr	2.6	12768	Btu/lb		68.1	26.6

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: PA  
 3. CITY: PHILADELPHIA  
 4. EP ID: 504 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: VS/C REGION: 3  
 EPA ID: PAD049791098

5. Type: BLOWDOWN

6. Description: SCRUBBER

Additional ID Information

Process Group: FLUIDIZED BED Location: VENTURI SCRUBBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
504C1R1						
504C1R2						
504C1R3						
504C1R4						
504C1R5						

5. Type: FB MATERIAL

6. Description: BED MATERIAL

Additional ID Information

Process Group: FLUIDIZED BED Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
504C1R1						
504C1R2						
504C1R3						
504C1R4						
504C1R5						

5. Type: FUEL

6. Description: CUTTER OIL

Additional ID Information

Process Group: FLUIDIZED BED Location: COMBUSTOR Phase: LIQUID

Feed Stream Information

Feed Mechanism: LANCED LIQUID Feed Location: ABOVE BED  
 Manufacturer: ? Number of Burners: 12

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
504C1R1	1008 lbs/hr		19110 Btu/lb			
504C1R2	1806 lbs/hr		19113 Btu/lb			
504C1R3	1690 lbs/hr		19246 Btu/lb			.1
504C1R4	1690 lbs/hr		19300 Btu/lb			
504C1R5	836 lbs/hr		19234 Btu/lb			

5. Type: MC ASH

6. Description:

Additional ID Information

Process Group: FLUIDIZED BED Location: CYCLONE Phase: SOLID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CHEVRON CHEMICAL CO.  
 2. STATE: PA  
 3. CITY: PHILADELPHIA EPA PAD049791098 REGION: 3  
 4. EP ID: 504 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: VS/C

504C1R1						
504C1R2						
504C1R3						
504C1R4						
504C1R5						

5. Type: SPIKE

6. Description: METALS (AS,CD,CR,SB,PB,HG)

Additional ID Information

Process Group: FLUIDIZED BED Location: PRIMARY CHAMBER Phase: ?

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
504C1R1						
504C1R2						
504C1R3						
504C1R4						
504C1R5						

5. Type: WASTE

6. Description: API SEP SLUDGE

Additional ID Information

Process Group: FLUIDIZED BED Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED LIQUID Feed Location: MIDDLE OF CHAMBER  
 Manufacturer: ? Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
504C1R1						
504C1R2	2893 lbs/hr		1093 Btu/lb			8
504C1R3	2720 lbs/hr		1469 Btu/lb			9.9
504C1R4	2622 lbs/hr		1914 Btu/lb			8.2
504C1R5						

6. Description: BIO-ALUM SLUDGE

Additional ID Information

Process Group: FLUIDIZED BED Location: COMBUSTOR Phase: SLUDGE

Feed Stream Information

Feed Mechanism: LANCED LIQUID Feed Location: MIDDLE OF CHAMBER  
 Manufacturer: ? Number of Burners: 2

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
504C1R1						
504C1R2	5886 lbs/hr		326 Btu/lb			4.3
504C1R3	5619 lbs/hr		373 Btu/lb			4.3
504C1R4	5603 lbs/hr		389 Btu/lb			38
504C1R5						

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CIBA-GEIGY CORPORATION  
 2. STATE: AL  
 3. CITY: McINTOSH EPA ALD001221902 REGION: 4  
 4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/VS/ESP/PT

5. Type: BA ASH

6. Description: INCINERATOR

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
705C1R1						
705C1R2						
705C1R3						
705C2R1						
705C2R2						
705C2R3						

5. Type: BLOWDOWN

6. Description: H2O EFFLUENT

Additional ID Information

Process Group: ROTARY KILN Location: ESP Phase: LIQUID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
705C1R1	4 gpm					
705C1R2	8 gpm					
705C1R3	6 gpm					
705C2R1	10 gpm					
705C2R2	10 gpm					
705C2R3	9 gpm					

6. Description: H2O EFFLUENT

Additional ID Information

Process Group: ROTARY KILN Location: QUENCH TANK Phase: LIQUID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
705C1R1	26 gpm					
705C1R2	18 gpm					
705C1R3	16 gpm					
705C2R1	15 gpm					
705C2R2	15 gpm					
705C2R3	23 gpm					

Additional ID Information

Process Group: ROTARY KILN Location: PACKED TOWER Phase: LIQUID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
705C1R1	11 gpm					
705C1R2	24 gpm					
705C1R3	20 gpm					
705C2R1	16 gpm					

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CIBA-GEIGY CORPORATION  
 2. STATE: AL  
 3. CITY: McINTOSH EPA ALD001221902 REGION: 4  
 4. EP ID: 705 DEVICE NAME: MULTIPURPOSE INCINER SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/VS/ESP/PT

705C2R2	13 gpm					
705C2R3	25 gpm					

5. Type: WASTE

6. Description: ORGANIC

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: PUMP Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
705C1R1	1910 lbs/hr		14778 Btu/lb	.7	66.1	
705C1R2	2122 lbs/hr		13091 Btu/lb	.7	66.1	
705C1R3	1963 lbs/hr		1602 Btu/lb	.7	66.1	
705C2R1	1008 lbs/hr		14928 Btu/lb	.7	66.1	
705C2R2	689 lbs/hr		17331 Btu/lb	.7	66.1	
705C2R3	1008 lbs/hr		16029 Btu/lb	.7	66.1	

6. Description: TRASH

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: BUCKET Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
705C2R1	2625 lbs/hr				66.1	61
705C2R2	2485 lbs/hr				66.1	7.3
705C2R3	2275 lbs/hr				66.1	2.4

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: CIBA-GEIGY CORPORATION  
 2. STATE: LA  
 3. CITY: BATON ROUGE  
 4. EP ID: 706 DEVICE NAME: INCINERATOR EPA LAD053783445 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QT/HS/C REGION: 6

5. Type: WASTE

6. Description: AQUEOUS

Additional ID Information

Process Group: LIQUID DOWN FIRED Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
706C1R1	13499 lbs/hr	81.4	100	Btu/lb			16
706C1R2	13498 lbs/hr	80.4	100	Btu/lb			15.9
706C1R3	2469 lbs/hr	89.2	100	Btu/lb			15.8
706C2R1	11400 lbs/hr	86.4	100	Btu/lb			15.8
706C2R2	11397 lbs/hr	90.8	100	Btu/lb			15.5
706C2R3	11397 lbs/hr	89.6	100	Btu/lb			16.4
706C3R1	6712 lbs/hr	14.3	100	Btu/lb			14.3
706C3R2	6810 lbs/hr	92.3	100	Btu/lb			14
706C3R3	6824 lbs/hr	80.9	100	Btu/lb			14.6

6. Description: ORGANIC

Additional ID Information

Process Group: LIQUID DOWN FIRED Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
706C1R1	2400 lbs/hr	.7	13110	Btu/lb		60	
706C1R2	2400 lbs/hr	.9	13105	Btu/lb		60	
706C1R3	2400 lbs/hr	.2	13380	Btu/lb		60	
706C2R1	2400 lbs/hr	.8	13102	Btu/lb		60	
706C2R2	2400 lbs/hr	.5	13353	Btu/lb		60	
706C2R3	2469 lbs/hr	.3	13357	Btu/lb		59.9	
706C3R1	1408 lbs/hr	.5	13131	Btu/lb		60	
706C3R2	1467 lbs/hr	.4	13258	Btu/lb		60	
706C3R3	1474 lbs/hr	1	13425	Btu/lb		60	



SECTION 6: OTHER STREAM RATES

1. COMPANY: COOK COMPOSITES  
 2. STATE: WI  
 3. CITY: PORT WASHINGTON EPA WID980615439 REGION: 5  
 4. EP ID: 784 DEVICE NAME: SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: NONE

5. Type: SPIKE

6. Description: ORGANICS

Additional ID Information

Process Group: ? Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
784C1R1	431 lbs/hr					
784C1R2	436 lbs/hr					
784C1R3	432 lbs/hr					
784C2R1	506 lbs/hr					
784C2R2	511 lbs/hr					
784C2R3	503 lbs/hr					

5. Type: TIER I

6. Description: METALS FEED LIMIT

Additional ID Information

Process Group: ? Location: SINGLE CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ? Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
784C1R1						
784C1R2						
784C1R3						
784C2R1						
784C2R2						
784C2R3						

SECTION 6: OTHER STREAM RATES

1. COMPANY: DEPARTMENT OF ARMY  
 2. STATE: TT  
 3. CITY: JOHNSTON ATOLL EPA TT0570090011 REGION: 9  
 4. EP ID: 344 DEVICE NAME: LIC SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/PT/DM

5. Type: WASTE

6. Description: DECONFEED

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZING NOZZEL Feed Location: ?  
 Manufacturer: T-THERMAL Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
344C1R1	3 gpm					
344C1R2	3 gpm					
344C1R3	3 gpm					
344C1R4	3 gpm					

6. Description: GB-NERVE AGENT

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: VORTEX BURNER Feed Location: ?  
 Manufacturer: T-THERMAL Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
344C2R1	750 lbs/hr					
344C2R2	750 lbs/hr					
344C2R3	750 lbs/hr					

6. Description: VX-NERVE AGENT

Additional ID Information

Process Group: LIQUID INJECTION Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: VORTEX BURNER Feed Location: ?  
 Manufacturer: T-THERMAL Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
344C1R1	696 lbs/hr				63	
344C1R2	700 lbs/hr				63	
344C1R3	699 lbs/hr				63	
344C1R4	699 lbs/hr				63	

US EPA ARCHIVE DOCUMENT



SECTION 6: OTHER STREAM RATES

1. COMPANY: DEPARTMENT OF ENERGY

2. STATE: TN

3. CITY: OAK RIDGE

EPA ID: TN0890090004

REGION: 4

4. EP ID: 357 DEVICE NAME: K-25

SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QC/VIS/PT/IWS

357C1R2	383 lbs/hr			.9	63.3	1.2
357C1R3	377 lbs/hr			.9	63.4	1.2

6. Description: SCC LIQ WASTE

Additional ID Information

Process Group: ROTARY KILN

Location: SECONDARY CHAMBER

Phase: LIQUID

Feed Stream Information

Feed Mechanism: ATOMIZED BURNER

Feed Location: SCC

Manufacturer: ?

Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft <sup>3</sup>	Ash (%)
357C1R1	619 lbs/hr		10399 Btu/lb	2.8	57.4	2.4
357C1R2	617 lbs/hr		10456 Btu/lb	3	57	2.3
357C1R3	659 lbs/hr		10682 Btu/lb	3	56.7	2.5

SECTION 6: OTHER STREAM RATES

1. COMPANY: DOW CHEMICAL CO.  
 2. STATE: LA  
 3. CITY: PLAQUEMINE  
 4. EP ID: 808 DEVICE NAME: I-300

EPA ID: LAD008187080  
 SYSTEM TYPE: ONSITE INCINERATOR

APC SYSTEM: QT/PBS/ESP  
 REGION: 6

5. Type: WASTE

6. Description: BR-200 AQUEOUS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: LIQUID NOZZLE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	1820 lbs/hr		Btu/lb	1.1	61.6	.1
808C1R2	1168 lbs/hr		Btu/lb	1.1	61.9	.1
808C1R3	1050 lbs/hr		Btu/lb	1.1	62.3	.1
808C2R1	2877 lbs/hr		Btu/lb	1.1	62	
808C2R2	2900 lbs/hr			1.1	61.8	
808C2R3	2864 lbs/hr			1.1	62.2	

6. Description: BR-201 SYNTH POHC

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: LIQUID NOZZLE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	1406 lbs/hr		3096 Btu/lb	.8	90.3	.2
808C1R2	1323 dscfm		2996 Btu/lb	.8	90.2	.1
808C1R3	1260 lbs/hr		2897 Btu/lb	.8	91.4	.1
808C2R1	1242 lbs/hr		2613 Btu/lb	.8	89	.1
808C2R2	1384 lbs/hr		3319 Btu/lb	.8	89.9	.3
808C2R3	1480 lbs/hr		3436 Btu/lb	.8	88.3	.2

6. Description: BR-202 DOW CORNING

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: LIQUID NOZZLE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	1190 lbs/hr		5233 Btu/lb	<<	60.3	75.5
808C1R2	488 lbs/hr		5056 Btu/lb	<<	59.7	78.3
808C1R3	491 lbs/hr		5129 Btu/lb	<<	60	79.1
808C2R1	49 lbs/hr		5169 Btu/lb	<<	.9	80
808C2R2	51 lbs/hr		5284 Btu/lb	<<	58.6	76.1
808C2R3	69 lbs/hr		5176 Btu/lb	<<	61.9	75.7

6. Description: BR-203 SLUDGE

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SLUDGE

Feed Stream Information

Feed Mechanism: SLUDGE NOZZLE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	2366 lbs/hr		867 Btu/lb		72.6	8.7
808C1R2	1872 lbs/hr		1746 Btu/lb		63.4	9.7
808C1R3	2572 lbs/hr		1195 Btu/lb		65.4	15.1
808C2R1	489 lbs/hr				74.3	22.5

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: DOW CHEMICAL CO.  
 2. STATE: LA  
 3. CITY: PLAQUEMINE  
 4. EP ID: 808 DEVICE NAME: I-300  
 EPA ID: LAD008187080  
 SYSTEM TYPE: ONSITE INCINERATOR  
 APC SYSTEM: QT/PBS/ESP  
 REGION: 6

808C2R2	195 lbs/hr				71.6	22.5
808C2R3	318 lbs/hr				70.8	20.8

6. Description: BR-210 ALKANOLAMINES

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: LIQUID NOZZLE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	263 lbs/hr		11893	Btu/lb	5.7	50.4	
808C1R2	660 lbs/hr		12230	Btu/lb	<<	68.6	
808C1R3	497 lbs/hr		9949	Btu/lb	<<	72.1	.1
808C2R1	1279 lbs/hr		10959	Btu/lb	<<	66.4	
808C2R2	1324 lbs/hr		11300	Btu/lb	<<	68.8	
808C2R3	1354 lbs/hr		11543	Btu/lb	<<	67.8	

6. Description: BR-211 ISOPAR

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: LIQUID NOZZLE Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	1400 lbs/hr		10370	Btu/lb	1.6	66.6	
808C1R2	1368 lbs/hr		10770	Btu/lb	1.6	66.6	.2
808C1R3	1446 lbs/hr		10422	Btu/lb	1.6	65.8	.1
808C2R1	1288 lbs/hr		10614	Btu/lb	1.6	65	.1
808C2R2	1534 lbs/hr		11043	Btu/lb	1.6	66.4	.5
808C2R3	1306 lbs/hr		11184	Btu/lb	1.6	65.1	

6. Description: PLASTIC PACKS

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: PLASTIC PACKS Feed Location: ?  
 Manufacturer: ? Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value		Viscosity, cSt	Density, lb/ft3	Ash (%)
808C1R1	6243 lbs/hr		43062	Btu/lb			63.7
808C1R2	6045 lbs/hr		38748	Btu/lb			59.4
808C1R3	6278 lbs/hr		40098	Btu/lb			54.9
808C2R1	7179 lbs/hr		64990	Btu/lb			51.1
808C2R2	7244 lbs/hr		65281	Btu/lb			50.2
808C2R3	6891 lbs/hr		65285	Btu/lb			48.4

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: DOW CHEMICAL CO.  
 2. STATE: MI  
 3. CITY: MIDLAND EPA MID000724724 REGION: 5  
 4. EP ID: 353 DEVICE NAME: UNIT 703 SYSTEM TYPE: ONSITE INCINERATOR APC SYSTEM: QC/VS/DM/ESP

5. Type: BA ASH

6. Description: INCINERATOR

Additional ID Information

Process Group: ROTARY KILN Location: PRIMARY CHAMBER Phase: SOLID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C1R1						
353C1R2						
353C1R3						
353C1R4						
353C2R1						
353C2R2						
353C2R3						
353C2R4						

5. Type: BLOWDOWN

6. Description:

Additional ID Information

Process Group: ROTARY KILN Location: SCRUBBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: NA Feed Location: NA  
 Manufacturer: NA Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C1R1						
353C1R2						
353C1R3						
353C1R4						
353C2R1						
353C2R2						
353C2R3						
353C2R4						
353C3						

5. Type: FUEL

6. Description: DIESEL FUEL

Additional ID Information

Process Group: ROTARY KILN Location: SECONDARY CHAMBER Phase: LIQUID

Feed Stream Information

Feed Mechanism: CONVENTIONAL BURNER Feed Location: SIDE WALL  
 Manufacturer: ? Number of Burners: 1

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C1R1			18803 Btu/lb	3.4	51	.5
353C1R2			18803 Btu/lb	3.4	53	.5
353C1R3			19325 Btu/lb	3.2	51.5	.5
353C1R4			19325 Btu/lb	3.2	51.8	.5
353C2R1			6637 Btu/lb	1	77.3	.5
353C2R2			6637 Btu/lb	.9	81.5	.5
353C2R3			6286 Btu/lb	1.8	78.6	.5
353C2R4			6250 Btu/lb	1	79.3	.5

6. Description: DIESEL FUEL, FEED B2

US EPA ARCHIVE DOCUMENT

SECTION 6: OTHER STREAM RATES

1. COMPANY: DOW CHEMICAL CO.  
 2. STATE: MI  
 3. CITY: MIDLAND

EPA ID: MID000724724  
 SYSTEM TYPE: ONSITE INCINERATOR

REGION: 5

APC SYSTEM: QC/VS/DM/ESP

Additional ID Information

Process Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

Feed Stream Information

Feed Mechanism: ?

Feed Location: ?

Manufacturer: ?

Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C1R1			19253 Btu/lb	3.3	52.9	.5
353C1R2			19253 Btu/lb	3.3	52	.5
353C1R3			19154 Btu/lb	3.1	50.8	.5
353C1R4			19154 Btu/lb	3.1	52.5	.5
353C2R1			9532 Btu/lb	1.3	69.7	.5
353C2R2			9532 Btu/lb	1.5	65.7	.5
353C2R3			10368 Btu/lb	1.4	67.2	.5
353C2R4			10701 Btu/lb	1.5	65.1	.5

5. Type: WASTE

6. Description: CACL2 BRINE, FEED B1

Additional ID Information

Process Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: LIQUID

Feed Stream Information

Feed Mechanism: ?

Feed Location: ?

Manufacturer: ?

Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C1R1				1.9	76.6	28
353C1R2				1.9	18.1	29
353C1R3				1.8	76.9	26
353C1R4				1.8	77.8	26
353C2R1			2563 Btu/lb	.7	86.7	.5
353C2R2			2563 Btu/lb	.7	82.9	.5
353C2R3			3336 Btu/lb	.7	80.3	.5
353C2R4			3327 Btu/lb	.7	88.3	.5
353C3R1						

6. Description: POHC DRUM FEED

Additional ID Information

Process Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

Feed Stream Information

Feed Mechanism: GRAVITY

Feed Location: ?

Manufacturer: ?

Number of Burners: NA

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C2R1			3867 Btu/lb			31
353C2R2			3867 Btu/lb			30
353C2R3			4020 Btu/lb			33
353C2R4			4020 Btu/lb			30

6. Description: TOTAL WASTE INPUT

Additional ID Information

Process Group: ROTARY KILN

Location: PRIMARY CHAMBER

Phase: SOLID

Feed Stream Information

Feed Mechanism: ?

Feed Location: ?

Manufacturer: ?

Number of Burners: ?

Stream Rates and Properties

7. Run ID	Process Rate	Moisture (%)	Heating Value	Viscosity, cSt	Density, lb/ft3	Ash (%)
353C1R1						
353C1R2						