

# CORONET INDUSTRIES, INC.

**RECEIVED** CUM  
APR 25 1995  
Department of Environmental Protection  
SOUTHWEST DISTRICT

April 20, 1995

Mr. Jerry Campbell  
Environmental Protection Commission of  
Hillsborough County  
Permitting Section  
900 Ninth Avenue  
Tampa, FL 33605

*STACK TEST SUMMARIES*

**Re: Scheduled Emission Testing at 91.3% of Higher Requested Rate for  
Kilns 6 & 7, Compliance Testing of AO29- 218851**

Dear Mr. Campbell:

In accordance with the requirements of operating permit no. AO29-218851, NEDS NO. : 0075, Point ID: 05, kilns 6 & 7, a compliance test was conducted on April 13, 1995, for fluoride and particulate emissions. The test methods utilized were 1, 2, 4, 5, 9, and 13B, 40 CFR 60, Appendix A, adopted in rule 17-2.700, F.A.C. The fluoride emissions were tested in compliance with special conditions No. 2 and No. 5. Particulate emissions were conducted in compliance with special conditions No. 3 and No. 5. Opacity was conducted in compliance with special conditions No. 4 and No. 5.

As required by FDEP authorization of 12/01/94, and extended on 3/1/95, the emissions were tested at 18.07 TPH feed (91.3 % of the requested rate of 19.8 TPH in November, 1994). The reasons for this testing were: 1) annual compliance testing and 2) requested feed rate increase for deflu. kilns 6 & 7, AO29-218851. A visible emission test was conducted for an hour. There was an average natural gas usage of 83.87 mm BTU / hr

# CORONET INDUSTRIES, INC.

## SUMMARY OF FLUORIDE EMISSIONS

**DEFLU KILNS 6 & 7**

**4/13/95**

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PROCESS WEIGHT RATE RUN NO.	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG. F	STACK GAS MOISTURE %	FLUORIDE EMISSIONS		
					CONC. PPM	RATE lb / HR	
1	18.07	69,729	59,136	110	7.91	10.48	1.75
2	18.07	70,864	59,628	110	8.56	11.41	1.92
3	18.07	68,788	58,734	110	7.36	10.17	1.69
AVG.	18.07	69,794	59,166	110	7.94	10.69	1.79

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**ALLOWABLE FLUORIDE EMISSION RATE 2.56 LBS / HR.**

**ALLOWABLE PERCENT OPACITY < 20 %**

# CORONET INDUSTRIES, INC.

## SUMMARY OF PARTICULATE EMISSIONS

**DEFLU KILNS 6 & 7**

**4/13/95**

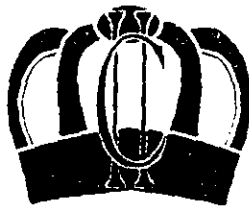
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RUN NO.	PROCESS					PARTICU-LATE	EMISSION
	WEIGHT RATE TONS / HR.	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG. F	STACK GAS MOISTURE %	CONC. gr / DSCF	RATE lb / HR
1	18.07	69,729	59,136	110	7.91	.0114	5.77
2	18.07	70,864	59,628	110	8.56	.0143	7.29
3	18.07	68,788	58,734	110	7.36	.0159	7.99
<b>AVG.</b>	18.07	69,794	59,166	110	7.94	.0139	7.02

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**ALLOWABLE PARTICULATE EMISSION RATE: 15 LBS / HR.**

**ALLOWABLE PERCENT OPACITY < 20 %**



# CORONET INDUSTRIES, INC.

*Permitting  
copies  
OK*

**RECEIVED**  
APR 25 1995

Department of Environmental Protection  
BY SOUTH WEST DISTRICT

April 20, 1995

Mr. Jerry Campbell  
Environmental Protection Commission of  
Hillsborough County  
Air Permitting Section  
1900 Ninth Avenue  
Tampa, FL 33605

*A029-270324*

**Re: Scheduled Emission Testing at 91.3% of Higher Requested Rate for  
Kilns 6 & 7, Compliance Testing of AO29- 218851**

Dear Mr. Campbell:

In accordance with the requirements of operating permit no. AO29-218851, NEDS NO. : 0075, Point ID: 05, kilns 6 & 7, a compliance test was conducted on April 13, 1995, for fluoride and particulate emissions. The test methods utilized were 1, 2, 4, 5, 9, and 13B, 40 CFR 60, Appendix A, adopted in rule 17-2.700, F.A.C. The fluoride emissions were tested in compliance with special conditions No. 2 and No. 5. Particulate emissions were conducted in compliance with special conditions No. 3 and No. 5. Opacity was conducted in compliance with special conditions No. 4 and No. 5.

As required by FDEP authorization of 12/01/94, and extended on 3/1/95, the emissions were tested at 18.07 TPH feed (91.3 % of the requested rate of 19.8 TPH in November, 1994). The reasons for this testing were: 1) annual compliance testing and 2) requested feed rate increase for deflu. kilns 6 & 7, AO29-218851. A visible emission test was conducted for an hour. There was an average natural gas usage of 83.87 mm BTU / hr.

**CORONET INDUSTRIES, INC.**

**SUMMARY OF FLUORIDE EMISSIONS**

**DEFLU KILNS 6 & 7**

**4/13/95**

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RUN NO.	PROCESS					FLUORIDE	EMISSIONS
	WEIGHT RATE TONS / HR.	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG. F	STACK GAS MOISTURE %	CONC. PPM	RATE lb / HR
1	18.07	69,729	59,136	110	7.91	10.48	1.75
2	18.07	70,864	59,628	110	8.56	11.41	1.92
3	18.07	68,788	58,734	110	7.36	10.17	1.69
AVG.	18.07	69,794	59,166	110	7.94	10.69	1.79

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**ALLOWABLE FLUORIDE EMISSION RATE 2.56 LBS / HR.**

**ALLOWABLE PERCENT OPACITY < 20 %**

**CORONET INDUSTRIES, INC.**

**SUMMARY OF PARTICULATE EMISSIONS**

**DEFLU KILNS 6 & 7**

**4/13/95**

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RUN NO.	PROCESS					PARTICULATE	EMISSION
	WEIGHT RATE TONS / HR.	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG. F	STACK GAS MOISTURE %	CONC. gf / DSCF	RATE lb / HR

1	18.07	69,729	59,136	110	7.91	.0114	5.77
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2	18.07	70,864	59,628	110	8.56	.0143	7.29
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3	18.07	68,788	58,734	110	7.36	.0159	7.99
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AVG.	18.07	69,794	59,166	110	7.94	.0139	7.02
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**ALLOWABLE PARTICULATE EMISSION RATE: 15 LBS / HR.**

**ALLOWABLE PERCENT OPACITY < 20 %**

**CORONET INDUSTRIES, INC.**

May 28, 1998

RECEIVED  
JUN 04 1998  
Department of Environmental Protection  
BY SOUTHWEST DISTRICT

Mr. Jerry Campbell  
Environmental Protection Commission  
of Hillsborough County  
Air Permitting Section  
1900 Ninth Avenue  
Tampa, Florida 33605

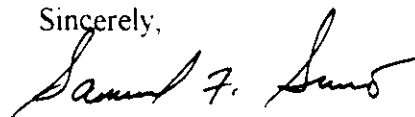
**Re: Scheduled Stack Test for Defluorinating Kilns 6 & 7, AO29-218851, Coronet Industries, Inc.**

Dear Mr. Campbell

In accordance with the requirements of the Specific Condition No.'s 2, 3, 4, 5, 6, 7, and 10 of AO29-218851 as amended on July 18, 1995, the scheduled stack tests were conducted on May 8, 1998. The AIRS No. is 0570075, the NEDS No. is 0075, and the emissions unit is 005. For these tests, the units were operated on natural gas at a combined feed rate of 18.0 TPH. The tests were conducted using Methods 1, 2, 4, 5, 9, and 13B as contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-297, F.A.C. Our APIS Id is 40-HIL-29-0075-05. The natural gas consumption for these tests averaged 67.9 MMBTU's / Hr.

The results of these tests are being transmitted via the attached report. Should you have any questions concerning these results, please contact me at (813)- 719-7255.

Sincerely,



Samuel F. Sweat  
Environmental Affairs Manager

Attachments

cc: Bill Thomas / FDEP  
V. T. Scialli -COO / President  
Keith Gibson  
Shuji Ishimatsu  
W. Ragins

**CORONET INDUSTRIES, INC**

**SUMMARY OF FLUORIDE EMISSIONS**

KILNS 6 & 7

MAY 8, 1998

RUN NO	PROCESS WEIGHT RATE TONS / HR	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG F	STACK GAS MOISTURE %	FLUORIDE EMISSIONS	
						CONC. PPM	RATE LB / HR
1	18.0	37.578	31.689	109.5	8.75	20.47	1.83
2	18.0	32.912	27.689	109.8	8.92	20.88	1.63
3	18.0	33.526	27.979	111.24	9.42	32.50	2.57
<b>AVG</b>	18.0	34.672	29.119	110.18	9.03	24.62	2.01

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ALLOWABLE FLUORIDE EMISSION RATE 2.83 LBS / HR

ALLOWABLE PERCENT OPACITY < 20 %



# CORONET INDUSTRIES, INC

## SUMMARY OF PARTICULATE EMISSIONS

KILNS 6 & 7

MAY 8, 1998

RUN NO.	PROCESS WEIGHT RATE TONS/HR	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG. F	STACK GAS MOISTURE %	PARTICULATE EMISSIONS	
						CONC GR-DSCF	RATE lb/HR
1	18.0	37,578	31,689	109.5	8.75	0.0266	7.22
2	18.0	32,912	27,689	109.8	8.92	0.0288	6.85
3	18.0	33,526	27,979	111.24	9.42	0.0515	12.36
<b>AVG</b>	18.0	34,672	29,119	110.18	9.03	0.0356	8.81

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ALLOWABLE PARTICULATE EMISSION RATE 15.0 LBS / HR  
ALLOWABLE PERCENT OPACITY < 20 %

*CORONET INDUSTRIES, INC.*

AA

November 11, 1996

**RECEIVED**  
NOV 13 1996  
Department of Environmental Protection  
BY: SOUTHWEST DISTRICT

Mr. Jerry Campbell  
Environmental Protection Commission  
of Hillsborough County  
Air Permitting Section  
1900 Ninth Avenue  
Tampa, Florida 33605

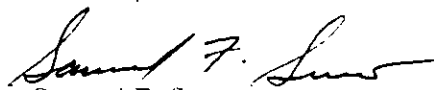
**Re: Scheduled Stack Test for the Defluorinating Kilns 6 & 7. AO29-218851,  
Coronet Industries, Inc.**

Dear Mr. Campbell

In accordance with the requirements of the Specific Conditions of AO29-218851, the scheduled stack tests were conducted on November 1, 1996. The AIRS No. is 0570075, the NEDS No. is 0075, and the Emissions Unit No. is 005. For these tests, the units were operated at 18.48 TPH. The test was conducted using Methods 1, 2, 4, 5, 9, and 13B as contained in 40 CFR 60, Appendix A and adopted by reference in Rule 17-297, F.A.C. Our APIS Id is 40-HIL-29-0075-05. These tests were conducted in compliance with Special Conditions 2, 3, 4, and 5, and the permit amendment of July 18, 1995. There was an average natural gas usage of 92.0 MM BTU/hr.

The results of these tests are being transmitted via the attached report. Should you have any questions concerning these results, please contact me at (813)-719-7255.

Sincerely,



Samuel F. Sweat  
Environmental Affairs Manager

Attachments

- cc. Bill Thomas / FDEP
- V. T. Scialli -COO / President
- N. W. Lowrey
- J. Reed
- W. Ragins

# CORONET INDUSTRIES, INC

## SUMMARY OF PARTICULATE EMISSIONS

Kilns 6 & 7

November 1, 1996

RUN NO.	PROCESS WEIGHT RATE TONS / HR	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG F	STACK GAS MOISTURE %	PARTICULATE EMISSIONS	
						CONC GR DSCF	RATE lb / HR
1	18.48	60.893	49.464	119.71	11.21	0.0183	7.75
2	18.48	58.611	47.586	118.33	11.47	0.0214	8.75
3	18.48	63.357	50.677	118.58	12.74	0.0205	8.89
<b>AVG</b>	18.48	60.954	49.242	118.87	11.81	0.0201	8.46

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ALLOWABLE PARTICULATE EMISSION RATE 15.00 LBS / HR  
ALLOWABLE PERCENT OPACITY < 20 %

# CORONET INDUSTRIES, INC

## SUMMARY OF FLUORIDE EMISSIONS

Kilns 6 & 7

November 1, 1996

RUN NO.	PROCESS WEIGHT RATE TONS / HR.	STACK GAS FLOW RATE ACFM	STACK GAS FLOW RATE DSCFM	STACK GAS TEMP. DEG F	STACK GAS MOISTURE %	FLUORIDE EMISSIONS	
						CONC. PPM	RATE lb / HR
1	18.48	60.893	49.464	119.71	11.21	15.72	2.20
2	18.48	58.611	47.586	118.33	11.47	16.65	2.24
3	18.48	63.357	50.677	118.58	12.74	14.19	2.03
<b>AVG</b>	18.48	60.954	49.242	118.87	11.81	15.52	2.16

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ALLOWABLE FLUORIDE EMISSION RATE 2.56 LBS / HR

ALLOWABLE PERCENT OPACITY < 20 %