AVOGADRO Environmental Corporation

Clean Air and Water, for Today and Tomorrow

COMPLIANCE EMISSIONS TEST REPORT
FOR
EVALUATION OF BOILER #6

UGI DEVELOPMENT
HUNLOCK CREEK, PENNSYLVANIA

Prepared for:

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5.0 RESULTS / SUMMARY

The emission test results are summarized in Tables 3-4. Detailed emission calculations are presented in Appendix V. An example calculation is presented in Appendix VIII.

TABLE 3- SUMMARY OF HEXAVALENT CHROMIUM EMISSIONS

Run	1	2	3	Average
Date	10/4/2007	10/4/2007	10/4/2007	---
Time	0845-1042	1120-1311	1325-1514	---
pounds/hour	<1.51E-04	<1.50E-04	<1.51E-04	<1.51E-04
pounds/MMBtu	<2.36E-07	<2.38E-07	<2.42E-07	<2.39E-07
ug/dscm	<2.64E-01	<2.67E-01	<2.72E-01	<2.68E-01

ppmv, dry = parts per million by volume, dry basis
pounds/hour = pounds per hour
pounds/MMBtu = pounds per Million British Thermal Units
ug/dscm = micrograms per dry standard cubic meter

TABLE 4 - SUMMARY OF METALS EMISSIONS

Metal	total catch, ug	ug/dscm	pounds/MMBtu	pounds/hour
Run 1, 10/3/2007, 0815-1027				
Arsenic	123.4	4.2E+01	3.6E-05	2.3E-02
Beryllium	1.2	4.1E-01	3.5E-07	2.2E-04
Cadmium	0.9	2.9E-01	2.5E-07	1.6E-04
Chromium	65.2	2.2E+01	1.9E-05	1.2E-02
Copper	34.1	1.2E+01	9.9E-06	6.4E-03
Lead	22.5	7.6E+00	6.5E-06	4.2E-03
Manganese	88.3	3.0E+01	2.6E-05	1.7E-02
Mercury	102.8	3.5E+01	3.0E-05	1.9E-02
Nickel	27.4	9.3E+00	7.9E-06	5.1E-03
Selenium	1050.0	3.6E+02	3.0E-04	2.0E-01
Vanadium	38.6	1.3E+01	1.1E-05	7.2E-03
Zinc	169.3	5.7E+01	4.9E-05	3.2E-02
Run 2, 10/3/2007, 1045-1320				
Arsenic	170.4	6.0E+01	5.1E-05	3.3E-02
Beryllium	1.1	3.9E-01	3.3E-07	2.1E-04
Cadmium	0.9	3.0E-01	2.5E-07	1.6E-04
Chromium	50.5	1.8E+01	1.5E-05	9.7E-03
Copper	28.1	9.9E+00	8.3E-06	5.4E-03
Lead	21.1	7.5E+00	6.3E-06	4.1E-03
Manganese	47.3	1.7E+01	1.4E-05	9.1E-03
Mercury	96.9	3.4E+01	2.9E-05	1.9E-02
Nickel	19.5	6.9E+00	5.8E-06	3.7E-03
Selenium	801.0	2.8E+02	2.4E-04	1.5E-01
Vanadium	33.3	1.2E+01	9.9E-06	6.4E-03
Zinc	173.3	6.1E+01	5.1E-05	3.3E-02

TABLE 4 – SUMMARY OF METALS EMISSIONS CONTINUED

Metal	total catch, ug	ug/dscm	pounds/MMBtu	pounds/hour
Run 3, 10/3/2007, 1345-1600				
Arsenic	146.4	4.9E+01	4.2E-05	2.8E-02
Beryllium	1.1	3.7E-01	3.2E-07	2.1E-04
Cadmium	4.7	1.6E+00	1.3E-06	9.0E-04
Chromium	51.7	1.7E+01	1.5E-05	1.0E-02
Copper	37.6	1.3E+01	1.1E-05	7.2E-03
Lead	27.3	9.2E+00	7.9E-06	5.3E-03
Manganese	47.4	1.6E+01	1.4E-05	9.1E-03
Mercury	86.2	2.9E+01	2.5E-05	1.7E-02
Nickel	23.9	8.0E+00	6.9E-06	4.6E-03
Selenium	908.0	3.1E+02	2.6E-04	1.7E-01
Vanadium	37.7	1.3E+01	1.1E-05	7.3E-03
Zinc	156.3	5.3E+01	4.5E-05	3.0E-02
Averages				
Arsenic	146.8	5.0E+01	4.3E-05	2.8E-02
Beryllium	1.1	3.9E-01	3.3E-07	2.2E-04
Cadmium	2.1	7.2E-01	6.1E-07	4.1E-04
Chromium	55.8	1.9E+01	1.6E-05	1.1E-02
Copper	33.3	1.1E+01	9.7E-06	6.4E-03
Lead	23.6	8.1E+00	6.9E-06	4.5E-03
Manganese	61.0	2.1E+01	1.8E-05	1.2E-02
Mercury	95.3	3.3E+01	2.8E-05	1.8E-02
Nickel	23.6	8.1E+00	6.9E-06	4.5E-03
Selenium	919.7	3.2E+02	2.7E-04	1.8E-01
Vanadium	36.5	1.3E+01	1.1E-05	7.0E-03
Zinc	166.3	5.7E+01	4.9E-05	3.2E-02