

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 1 of 45

**EMISSION POINTS**

(4) Emission Point ID: 001 (5) Emission Point Description: CBEC 1 BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 001 (8) SCC No: 10100501  
 (9) Description of Process: CBEC 1 BOILER - #2 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 0.00  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE001

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME001A                      ME001B                      ME001C                      ME001D  
ME001E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.55E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PM-10	2.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	3.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE			CEM - SEE COAL CALCS			0.00
NITROGEN OXIDES			CEM - SEE COAL CALCS			0.00
VOLATILE ORGANIC COMPOUNDS	2.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.00
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
LEAD						0.00
AMMONIA	8.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.00
LEAD COMPOUNDS	1.24E-03	POUNDS PER 1000 GALLONS	FIRE			0.00

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600

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**EMISSION POINTS**(4) Emission Point ID  
001(5) Emission Point Description  
CBEC 1 BOILER STACK**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 001 (8) SCC No: 10100601

(9) Description of Process: CBEC 1 BOILER - NATURAL GAS

(10) Raw Material: NATURAL GAS

(11) Actual Throughput (Yearly Total): 9.6499996

(12) Units Raw Material: MILLION CUBIC FEET

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
JAN	MAR	24	24	7	13
APR	JUN	24	24	7	13
JUL	SEP	24	24	7	13
OCT	DEC	28	24	7	13

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE001

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME001A

ME001B

ME001C

ME001D

ME001E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.04
PM-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.04
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.04
SULFUR DIOXIDE			CEM - SEE COAL CALCS			0.00
NITROGEN OXIDES			CEM - SEE COAL CALCS			0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.03
CARBON MONOXIDE	8.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.41
LEAD						0.00
AMMONIA	3.20E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.02
HEXANE	1.80E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.01

**SUPPORTING DOCUMENTS****Supporting Documents:**

CBEC T5-TRI CALCS-022107.XLS

COAL\_SUPPLIER\_HCL HF AND HG EF CALC.XLS

**Description:**

2006 COUNCIL BLUFFS EMISSION INVENTORY CALCULATIONS

COAL SUPPLIER EMISSION FACTORS HCL, HF, AND HG

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600

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**EMISSION POINTS**(4) Emission Point ID  
001 (5) Emission Point Description  
CBEC 1 BOILER STACK**PROCESS INFORMATION**(6) Emission Year: 2006 (7) Emission Unit No: 001 (8) SCC No: 10100222(9) Description of Process: CBEC 1 BOILER - SUBBITUMINOUS COAL(10) Raw Material: SUBBITUMINOUS COAL(11) Actual Throughput (Yearly Total): 239,111.00(12) Units Raw Material: TONS**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>24</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>26</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**CE001**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**ME001AME001BME001CME001DME001E**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	3.77E-02	POUNDS PER MILLION BTU	OTHER - PARTITIONING FACTOR APPLIED TO PM TEST			75.24
PM-10	9.40E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			187.61
PARTICULATE MATTER	1.30E-01	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			259.46
SULFUR DIOXIDE			CEM			1,389.50
NITROGEN OXIDES			CEM			815.00
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			7.17
CARBON MONOXIDE	5.03E-01	POUNDS PER MILLION BTU	CEM			1,003.83
LEAD						0.00
AMMONIA	5.65E-04	POUNDS PER TON	FIRE			0.07
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.01
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.03
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.07
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			15.54
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.01
CHLOROETHANE	4.20E-05	POUNDS PER TON	FIRE			0.01
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.03
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.08
BENZENE	1.30E-03	POUNDS PER TON	FIRE			0.16
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.03
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.01
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.02

## FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.06
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.01
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.02
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.03
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.02
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.04
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			8.26
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.01
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.07
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.03
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.01
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.01
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.01
ARSENIC COMPOUNDS	4.10E-04	POUNDS PER TON	FIRE			0.05
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			0.30
MERCURY COMPOUNDS	1.66E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.01
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.06
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.05
LEAD COMPOUNDS	4.20E-04	POUNDS PER TON	FIRE			0.05
RADIONUCLIDES (INCLUDING RADON)	9.50E-02	POUNDS PER TON	OTHER - EPA-450			0.01
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			0.16
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.05

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 5 of 45

**EMISSION POINTS**

(4) Emission Point ID: 002 (5) Emission Point Description: CBEC 2 BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 002 (8) SCC No: 10100604  
 (9) Description of Process: CBEC 2 BOILER - NATURAL GAS  
 (10) Raw Material: NATURAL GAS  
 (11) Actual Throughput (Yearly Total): 62.98  
 (12) Units Raw Material: MILLION CUBIC FEET

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>7</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>7</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>51</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>35</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE002

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME002A                      ME002B                      ME002C                      ME002D  
ME002E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.24
PM-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.24
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.24
SULFUR DIOXIDE			CEM - SEE COAL CALCS			0.00
NITROGEN OXIDES			CEM - SEE COAL CALCS			0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.17
CARBON MONOXIDE	2.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.76
LEAD						0.00
AMMONIA	3.20E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.10
HEXANE	1.80E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.06

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600

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**EMISSION POINTS**

(4) Emission Point ID: 002 (5) Emission Point Description: CBEC 2 BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 002 (8) SCC No: 10100226

(9) Description of Process: CBEC 2 BOILER - SUBBITUMINOUS COAL

(10) Raw Material: SUBBITUMINOUS COAL

(11) Actual Throughput (Yearly Total): 366,950.00

(12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
JAN	MAR	25	24	7	13
APR	JUN	25	24	7	13
JUL	SEP	26	24	7	13
OCT	DEC	24	24	7	13

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE002

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME002A

ME002B

ME002C

ME002D

ME002E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.52E-02	POUNDS PER MILLION BTU	OTHER - PARTITIONING FACTOR APPLIED TO PM TEST			46.72
PM-10	5.23E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			160.77
PARTICULATE MATTER	5.23E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			160.77
SULFUR DIOXIDE			CEM			1,993.80
NITROGEN OXIDES			CEM			1,364.50
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			11.01
CARBON MONOXIDE	4.19E-01	POUNDS PER MILLION BTU	CEM			1,287.03
LEAD						0.00
AMMONIA	5.65E-04	POUNDS PER TON	FIRE			0.10
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.04
1,2-DICHLOROETHANE	4.00E-05	POUNDS PER TON	FIRE			0.01
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			0.24
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.10
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.01
BENZENE	1.30E-03	POUNDS PER TON	FIRE			0.24
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.05
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.13
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.04
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.06
METHYL TERT BUTYL ETHER	3.50E-05	POUNDS PER TON	FIRE			0.01
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.03

## FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.01
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.02
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.03
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.10
CHLOROETHANE	4.20E-05	POUNDS PER TON	FIRE			0.01
XYLENE (MIXED ISOMERS)	3.70E-05	POUNDS PER TON	FIRE			0.01
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.05
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.02
BROMOFORM	3.90E-05	POUNDS PER TON	FIRE			0.01
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.07
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.01
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.11
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.01
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.07
ARSENIC COMPOUNDS	4.10E-04	POUNDS PER TON	FIRE			0.08
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.01
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.02
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			12.68
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			0.46
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.02
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.09
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.05
LEAD COMPOUNDS	4.20E-04	POUNDS PER TON	FIRE			0.08
POLYCYCLIC ORGANIC MATTER	2.40E-06	POUNDS PER MILLION BTU	FIRE			0.01
RADIONUCLIDES (INCLUDING RADON)	9.50E-02	POUNDS PER TON	OTHER - EPA-450			0.01
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			23.85
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.01

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 8 of 45

**EMISSION POINTS**

(4) Emission Point ID: 002 (5) Emission Point Description: CBEC 2 BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 002 (8) SCC No: 10100501  
 (9) Description of Process: CBEC 2 BOILER - #2 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 0.00  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE002

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME002A                      ME002B                      ME002C                      ME002D  
ME002E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.55E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PM-10	2.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	3.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE			CEM - SEE COAL CALCS			0.00
NITROGEN OXIDES			CEM - SEE COAL CALCS			0.00
VOLATILE ORGANIC COMPOUNDS	2.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
LEAD						0.00
AMMONIA	8.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.00
LEAD COMPOUNDS	1.24E-03	POUNDS PER 1000 GALLONS	FIRE			0.00

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 9 of 45

**EMISSION POINTS**

(4) Emission Point ID: 003 (5) Emission Point Description: CBEC 3 BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 003 (8) SCC No: 10100222  
 (9) Description of Process: CBEC 3 BOILER - SUBBITUMINOUS COAL  
 (10) Raw Material: SUBBITUMINOUS COAL  
 (11) Actual Throughput (Yearly Total): 2,594,683.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>30</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>29</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>20</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>21</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE003 CE004

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME003A ME003B ME003C ME003D  
ME003E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	9.28E-03	POUNDS PER MILLION BTU	OTHER - PARTITIONING FACTOR APPLIED TO PM TEST			203.61
PM-10	2.14E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			469.53
PARTICULATE MATTER	3.20E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			702.10
SULFUR DIOXIDE			CEM			14,139.30
NITROGEN OXIDES			CEM			8,617.20
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			77.84
CARBON MONOXIDE	1.70E-01	POUNDS PER MILLION BTU	CEM			3,740.37
LEAD						0.00
AMMONIA	5.65E-04	POUNDS PER TON	FIRE			0.73
1,2-DICHLOROETHANE	4.00E-05	POUNDS PER TON	FIRE			0.05
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.38
BERYLLIUM COMPOUNDS	2.10E-05	POUNDS PER TON	FIRE			0.03
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.08
VINYL ACETATE	7.00E-06	POUNDS PER TON	FIRE			0.01
METHYL TERT BUTYL ETHER	3.50E-05	POUNDS PER TON	FIRE			0.05
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.91
STYRENE	2.50E-05	POUNDS PER TON	FIRE			0.03
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.49
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.06
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.09
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.06

## FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
XYLENE (MIXED ISOMERS)	3.70E-05	POUNDS PER TON	FIRE			0.05
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.07
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.31
2-CHLOROACETOPHENONE	7.00E-06	POUNDS PER TON	FIRE			0.01
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.22
LEAD COMPOUNDS	4.20E-04	POUNDS PER TON	FIRE			0.54
BENZENE	1.30E-03	POUNDS PER TON	FIRE			1.69
1,1,1-TRICHLOROETHANE	2.00E-05	POUNDS PER TON	FIRE			0.03
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.21
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.12
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.09
BROMOFORM	3.90E-05	POUNDS PER TON	FIRE			0.05
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.17
PHENOL	1.60E-05	POUNDS PER TON	FIRE			0.02
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.38
HYDROCHLORIC ACID	1.23E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			168.62
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			89.66
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.74
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.75
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.51
METHYL METHACRYLATE	2.00E-05	POUNDS PER TON	FIRE			0.03
NAPHTHALENE	1.30E-05	POUNDS PER TON	FIRE			0.02
CUMENE	5.30E-06	POUNDS PER TON	FIRE			0.01
ACETOPHENONE	1.50E-05	POUNDS PER TON	FIRE			0.02
ARSENIC COMPOUNDS	4.10E-04	POUNDS PER TON	FIRE			0.53
CHLOROBENZENE	2.20E-05	POUNDS PER TON	FIRE			0.03
CHLOROETHANE	4.20E-05	POUNDS PER TON	FIRE			0.05
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.13
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.44
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			3.24
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.14
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.64
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.36
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.69
POLYCYCLIC ORGANIC MATTER	2.08E-06	POUNDS PER MILLION BTU	FIRE			0.05
RADIONUCLIDES (INCLUDING RADON)	9.50E-02	POUNDS PER TON	OTHER - EPA-450			0.03
ANTIMONY COMPOUNDS	1.80E-05	POUNDS PER TON	FIRE			0.02
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			1.69
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.31

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 11 of 45

**EMISSION POINTS**

(4) Emission Point ID: 003 (5) Emission Point Description: CBEC 3 BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 003 (8) SCC No: 10100501  
 (9) Description of Process: CBEC 3 BOILER - #2 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 521.36  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>14</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>23</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>14</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>49</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE003 CE004

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

ME003A ME003B ME003C ME003D  
ME003E

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.55E+00	POUNDS PER 1000 GALLONS	FIRE			0.40
PM-10	2.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.60
PARTICULATE MATTER	3.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.86
SULFUR DIOXIDE			CEM - SEE COAL CALCS			0.00
NITROGEN OXIDES			CEM - SEE COAL CALCS			0.00
VOLATILE ORGANIC COMPOUNDS	2.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.05
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			1.30
LEAD						0.00
AMMONIA	8.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.21
LEAD COMPOUNDS	1.24E-03	POUNDS PER 1000 GALLONS	FIRE			0.00

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 12 of 45**EMISSION POINTS**(4) Emission Point ID: 003 (5) Emission Point Description: CBEC 3 BOILER STACK**PROCESS INFORMATION**(6) Emission Year: 2006 (7) Emission Unit No: 003 (8) SCC No: 10101302(9) Description of Process: CBEC 3 BOILER - WASTE OIL(10) Raw Material: WASTE OIL(11) Actual Throughput (Yearly Total): 0.10(12) Units Raw Material: 1000 GALLONS**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>33</u>	<u>24</u>	<u>1</u>	<u>1</u>
<u>JUL</u>	<u>SEP</u>	<u>67</u>	<u>24</u>	<u>1</u>	<u>1</u>
<u>OCT</u>	<u>DEC</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**CE003 CE004**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**ME003A ME003B ME003C ME003D  
ME003E**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	2.88E+01	POUNDS PER 1000 GALLONS	AP42	3.00	95	0.00
PM-10	5.10E+01	POUNDS PER 1000 GALLONS	AP42	3.00	95	0.00
PARTICULATE MATTER	6.10E+01	POUNDS PER 1000 GALLONS	AP42	3.00	95	0.00
SULFUR DIOXIDE			CEM - SEE COAL CALCS			0.00
NITROGEN OXIDES			CEM - SEE COAL CALCS			0.00
VOLATILE ORGANIC COMPOUNDS	1.00E+00	POUNDS PER 1000 GALLONS	AP42			0.00
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	AP42			0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents:

Description:

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 13 of 45

**EMISSION POINTS**

(4) Emission Point ID: 004 (5) Emission Point Description: UNIT 3 AUXILLARY BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 004 (8) SCC No: 10200501  
 (9) Description of Process: CBEC UNIT 3 AUXILLARY BOILER - #2 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 0.00  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.55E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PM-10	2.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	3.30E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE	1.42E+02	POUNDS PER 1000 GALLONS	FIRE	.50		0.00
NITROGEN OXIDES	2.40E+01	POUNDS PER 1000 GALLONS	FIRE			0.00
VOLATILE ORGANIC COMPOUNDS	2.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 14 of 45

**EMISSION POINTS**

(4) Emission Point ID: 005 (5) Emission Point Description: COAL STORAGE PILE

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 005A (8) SCC No: 30501046  
 (9) Description of Process: COAL PILE - BULLDOZING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 4,879.00  
 (12) Units Raw Material: HOURS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>24</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>32</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>14</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>30</u>	<u>18</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

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**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

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**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>6.30E-01</u>	<u>POUNDS PER HOUR</u>	<u>AP42</u>			<u>1.54</u>
PM-10	<u>5.54E+00</u>	<u>POUNDS PER HOUR</u>	<u>AP42</u>			<u>13.51</u>
PARTICULATE MATTER	<u>2.86E+01</u>	<u>POUNDS PER HOUR</u>	<u>AP42</u>			<u>69.72</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_



**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 16 of 45

**EMISSION POINTS**

(4) Emission Point ID: 006 (5) Emission Point Description: DUMPER BUILDING VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 006 (8) SCC No: 30510103  
 (9) Description of Process: DUMPER BUILDING - DUST COLLECTOR 1  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,246,772.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>4</u>	<u>5</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE007

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>4.04E-04</u>	<u>POUNDS PER TON</u>	<u>OTHER - COMPLIANCE TEST PM</u>			<u>0.66</u>
PM-10	<u>4.04E-04</u>	<u>POUNDS PER TON</u>	<u>OTHER - COMPLIANCE TEST PM</u>			<u>0.66</u>
PARTICULATE MATTER	<u>4.04E-04</u>	<u>POUNDS PER TON</u>	<u>OTHER - COMPLIANCE TEST PM</u>			<u>0.66</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 17 of 45

**EMISSION POINTS**

(4) Emission Point ID: 009 (5) Emission Point Description: TRANSFER HOUSE #1 VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 009 (8) SCC No: 30510103  
 (9) Description of Process: TRANSFER HOUSE #1 - COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,246,772.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>4</u>	<u>5</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE010

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.03E-04</u>	<u>POUNDS PER TON</u>	<u>OTHER - COMPLIANCE TEST PM</u>			<u>0.33</u>
PM-10	<u>2.03E-04</u>	<u>POUNDS PER TON</u>	<u>OTHER - COMPLIANCE TEST PM</u>			<u>0.33</u>
PARTICULATE MATTER	<u>2.03E-04</u>	<u>POUNDS PER TON</u>	<u>OTHER - COMPLIANCE TEST PM</u>			<u>0.33</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 18 of 45

**EMISSION POINTS**

(4) Emission Point ID: 010 (5) Emission Point Description: TRANSFER HOUSE #2 VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 010 (8) SCC No: 30510103  
 (9) Description of Process: TRANSFER HOUSE #2 - COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,852,832.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>20</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>27</u>	<u>18</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE011

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	8.51E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.64
PM-10	8.51E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.64
PARTICULATE MATTER	8.51E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.64
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_



**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 20 of 45

**EMISSION POINTS**

(4) Emission Point ID: 013 (5) Emission Point Description: TRANSFER HOUSE #4 (CRUSHER) VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 013 (8) SCC No: 30510103  
 (9) Description of Process: TRANSFER HOUSE #4 - COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 2,594,683.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>30</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>29</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>20</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>21</u>	<u>18</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE014

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.58E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			2.05
PM-10	1.58E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			2.05
PARTICULATE MATTER	1.58E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			2.05
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_





**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 23 of 45

**EMISSION POINTS**

(4) Emission Point ID: 016 (5) Emission Point Description: 1 & 2 CRUSHER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 016 (8) SCC No: 30510103  
 (9) Description of Process: 1 & 2 CRUSHER - COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 606,060.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>25</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>26</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</u>	<u>6</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE017

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.13E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.34
PM-10	1.13E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.34
PARTICULATE MATTER	1.13E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.34
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 24 of 45

**EMISSION POINTS**

(4) Emission Point ID: 017 (5) Emission Point Description: 1 & 2 TRIPPER VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 017 (8) SCC No: 30510103  
 (9) Description of Process: 1 & 2 TRIPPER - COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 606,060.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>25</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>26</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</u>	<u>6</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE018

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.83E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.55
PM-10	1.83E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.55
PARTICULATE MATTER	1.83E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.55
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_



**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 26 of 45

**EMISSION POINTS**

(4) Emission Point ID: 019A (5) Emission Point Description: ASH POND GRADING

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 019A (8) SCC No: 30510499  
 (9) Description of Process: ASH POND DUMPING  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 45,355.40  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>51</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>14</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>18</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>17</u>	<u>12</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>3.48E-05</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.00</u>
PM-10	<u>1.10E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.00</u>
PARTICULATE MATTER	<u>2.34E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.01</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_





**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 29 of 45

**EMISSION POINTS**

(4) Emission Point ID: 020 (5) Emission Point Description: FLYASH TRUCK LOADING #3 VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 020 (8) SCC No: 30510598  
 (9) Description of Process: FLYASH TRUCK LOADING 3  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 104,037.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>30</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>28</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>21</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>21</u>	<u>12</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE021

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	2.00E-01	POUNDS PER TON	FIRE		74.3	2.67
PM-10	2.00E-01	POUNDS PER TON	FIRE		74.3	2.67
PARTICULATE MATTER	2.40E-01	POUNDS PER TON	FIRE		74.3	3.21
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents:

Description:

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 30 of 45

**EMISSION POINTS**

(4) Emission Point ID: 021 (5) Emission Point Description: FLYASH TRUCK LOADING 1& 2 VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 021 (8) SCC No: 30510598  
 (9) Description of Process: FLYASH TRUCK LOADING 1 & 2  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 25,506.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>24</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>24</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</u>	<u>12</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE022

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	2.00E-01	POUNDS PER TON	FIRE		74.3	0.66
PM-10	2.00E-01	POUNDS PER TON	FIRE		74.3	0.66
PARTICULATE MATTER	2.40E-01	POUNDS PER TON	FIRE		74.3	0.79
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents:

Description:

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 31 of 45

**EMISSION POINTS**

(4) Emission Point ID: 025 (5) Emission Point Description: GLYCOL SYSTEM EXPANSION TANK STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 025 (8) SCC No: 40705604  
 (9) Description of Process: GLYCOL SYSTEM EXPANSION TANK  
 (10) Raw Material: ETHYLENE GLYCOL  
 (11) Actual Throughput (Yearly Total): 0.16  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>25</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>25</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5						
PM-10						0.00
PARTICULATE MATTER						0.00
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS	<u>9.16E+03</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>MASS BALANCE</u>			0.73
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						
ETHYLENE GLYCOL	<u>9.16E+03</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>MASS BALANCE</u>			0.73

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 32 of 45

**EMISSION POINTS**

(4) Emission Point ID: 030 (5) Emission Point Description: STOCKOUT CONVEYOR 7

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 030 (8) SCC No: 30510103  
 (9) Description of Process: STOCKOUT CONVEYOR 7 COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 17,940.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>4</u>	<u>5</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.80E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>75</u>	<u>0.00</u>
PM-10	<u>8.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>75</u>	<u>0.00</u>
PARTICULATE MATTER	<u>1.89E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>75</u>	<u>0.00</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 33 of 45

**EMISSION POINTS**

(4) Emission Point ID: 031 (5) Emission Point Description: STACKER/RECLAIMER

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 031A (8) SCC No: 30510103  
 (9) Description of Process: CONVEYER 3 IN COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,228,832.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>4</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.80E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.20</u>
PM-10	<u>8.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>1.89E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.33</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 34 of 45

**EMISSION POINTS**

(4) Emission Point ID: 031 (5) Emission Point Description: STACKER/RECLAIMER

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 031B (8) SCC No: 30510103  
 (9) Description of Process: STACKOUT COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,228,832.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>4</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

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**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

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**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.80E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.20</u>
PM-10	<u>8.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>1.89E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.33</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 35 of 45

**EMISSION POINTS**

(4) Emission Point ID: 031 (5) Emission Point Description: STACKER/RECLAIMER

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 031C (8) SCC No: 30510103  
 (9) Description of Process: RECLAIM IN COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,228,832.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>18</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.80E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.20</u>
PM-10	<u>8.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>1.89E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.33</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 36 of 45

**EMISSION POINTS**

(4) Emission Point ID: 031 (5) Emission Point Description: STACKER/RECLAIMER

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 031D (8) SCC No: 30510103  
 (9) Description of Process: RECLAIM WHEEL COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,228,832.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>26</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>19</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>18</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.80E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.20</u>
PM-10	<u>8.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>1.89E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.33</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 37 of 45

**EMISSION POINTS**

(4) Emission Point ID: 114 (5) Emission Point Description: #3 EMERGENCY GENERATOR VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 114 (8) SCC No: 20100101  
 (9) Description of Process: UNIT 3 EMERG. GENERATOR - #2 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 0.28  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>50</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>14</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>29</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>7</u>	<u>1</u>	<u>1</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	4.25E+01	POUNDS PER 1000 GALLONS	FIRE			0.01
PM-10	4.25E+01	POUNDS PER 1000 GALLONS	FIRE			0.01
PARTICULATE MATTER	4.25E+01	POUNDS PER 1000 GALLONS	FIRE			0.01
SULFUR DIOXIDE	3.97E+01	POUNDS PER 1000 GALLONS	FIRE	.50		0.00
NITROGEN OXIDES	6.04E+02	POUNDS PER 1000 GALLONS	FIRE			0.08
VOLATILE ORGANIC COMPOUNDS	4.93E+01	POUNDS PER 1000 GALLONS	FIRE			0.01
CARBON MONOXIDE	1.30E+02	POUNDS PER 1000 GALLONS	FIRE			0.02
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 38 of 45

**EMISSION POINTS**

(4) Emission Point ID: 117 (5) Emission Point Description: EMERGENCY RECLAIM HOPPER VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 117 (8) SCC No: 30510103  
 (9) Description of Process: EMERG. RECLAIM HOPPER - COAL CONVEYOR  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 624,000.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>59</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>35</u>	<u>6</u>	<u>2</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>6</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE011

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	8.51E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.27
PM-10	8.51E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.27
PARTICULATE MATTER	8.51E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.27
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						0.00
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 39 of 45

**EMISSION POINTS**

(4) Emission Point ID: 117B (5) Emission Point Description: EMERGENCY RECLAIM HOPPER-COAL CONVEY

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 117B (8) SCC No: 30510103  
 (9) Description of Process: EMER. RECLAIM HOPPER-COAL DUMPING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 624,000.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>59</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>35</u>	<u>6</u>	<u>2</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>6</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>2.80E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.09</u>
PM-10	<u>8.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.28</u>
PARTICULATE MATTER	<u>1.89E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.59</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 40 of 45

**EMISSION POINTS**

(4) Emission Point ID: 119A (5) Emission Point Description: 1 & 2 FLYASH SILO BAG FILTER VENT

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 119A (8) SCC No: 30510398  
 (9) Description of Process: FLYASH SILO FILLTER  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 25,506.00  
 (12) Units Raw Material: TONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>24</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>24</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

CE119A

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	<u>1.49E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.00</u>
PM-10	<u>3.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.00</u>
PARTICULATE MATTER	<u>9.90E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.01</u>
SULFUR DIOXIDE						<u>0.00</u>
NITROGEN OXIDES						<u>0.00</u>
VOLATILE ORGANIC COMPOUNDS						<u>0.00</u>
CARBON MONOXIDE						<u>0.00</u>
LEAD						<u>0.00</u>
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents:

Description:



**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 42 of 45

**EMISSION POINTS**

(4) Emission Point ID: 141 (5) Emission Point Description: CBEC 4 STACK

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 141 (8) SCC No: 10100501  
 (9) Description of Process: UNIT 4 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 1,132.03  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>100</u>	<u>24</u>	<u>7</u>	<u>2</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.55E+00	POUNDS PER 1000 GALLONS	FIRE			0.88
PM-10	2.30E+00	POUNDS PER 1000 GALLONS	FIRE			1.30
PARTICULATE MATTER	3.30E+00	POUNDS PER 1000 GALLONS	FIRE			1.87
SULFUR DIOXIDE	1.42E+02	POUNDS PER 1000 GALLONS	FIRE	.001		0.08
NITROGEN OXIDES	2.40E+01	POUNDS PER 1000 GALLONS	FIRE			13.58
VOLATILE ORGANIC COMPOUNDS	2.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.11
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			2.83
LEAD						
AMMONIA	8.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.45

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 43 of 45

**EMISSION POINTS**

(4) Emission Point ID: 142 (5) Emission Point Description: UNIT 4 AUXILIARY BOILER

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 142 (8) SCC No: 10200601  
 (9) Description of Process: UNIT 4 AUXILIARY BOILER  
 (10) Raw Material: NATURAL GAS  
 (11) Actual Throughput (Yearly Total): 75.19  
 (12) Units Raw Material: MILLION CUBIC FEET

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>100</u>	<u>24</u>	<u>7</u>	<u>9</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.29
PM-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.29
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.29
SULFUR DIOXIDE	6.00E-01	POUNDS PER MILLION CUBIC FEET	FIRE			0.02
NITROGEN OXIDES	1.40E+02	POUNDS PER MILLION CUBIC FEET	FIRE			5.26
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.21
CARBON MONOXIDE	8.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			3.16
LEAD						
AMMONIA	3.20E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.12

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 44 of 45

**EMISSION POINTS**

(4) Emission Point ID: 143 (5) Emission Point Description: UNIT 4 EMERGENCY GENERATOR

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 143 (8) SCC No: 20100102  
 (9) Description of Process: UNIT 4 EMERGENCY GENERATOR  
 (10) Raw Material: DIESEL FUEL  
 (11) Actual Throughput (Yearly Total): 0.43  
 (12) Units Raw Material: 1000 GALLONS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>100</u>	<u>4</u>	<u>1</u>	<u>1</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	6.44E+00	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.00
PM-10	6.44E+00	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.00
PARTICULATE MATTER	6.44E+00	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.00
SULFUR DIOXIDE	1.40E-01	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.00
NITROGEN OXIDES	2.46E+02	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.05
VOLATILE ORGANIC COMPOUNDS	8.33E+00	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.00
CARBON MONOXIDE	1.94E+01	POUNDS PER 1000 GALLONS	OTHER - COMPLIANCE TEST			0.00
LEAD						
AMMONIA	1.40E+00	POUNDS PER 1000 GALLONS	FIRE			0.00

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_

**FORM 4.0 EMISSION UNIT - ACTUAL OPERATIONS AND EMISSIONS**

(1) Company/Facility Name: MIDAMERICAN ENERGY CO - COUNCIL BL (2) EIQ No: 92-3600 (3) Page 45 of 45

**EMISSION POINTS**

(4) Emission Point ID: 145 (5) Emission Point Description: UNIT 4 COOLING TOWER

**PROCESS INFORMATION**

(6) Emission Year: 2006 (7) Emission Unit No: 145 (8) SCC No: 38500101  
 (9) Description of Process: UNIT 4 COOLING TOWER  
 (10) Raw Material: WATER  
 (11) Actual Throughput (Yearly Total): 168.00  
 (12) Units Raw Material: HOURS

**ACTUAL OPERATING RATES/SCHEDULE**

Begin Month	End Month	(13) Percent of Total Operating Time	(14) Hours/Day	(15) Days/Week	(16) Weeks/Quarter
<u>JAN</u>	<u>MAR</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>APR</u>	<u>JUN</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>JUL</u>	<u>SEP</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>OCT</u>	<u>DEC</u>	<u>100</u>	<u>24</u>	<u>7</u>	<u>2</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**

**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**

**ACTUAL EMISSIONS**

(19) Pollutant	(20) Emission Factor	(21) Emission Factor Units	(22) Source of Emission Factor	(23) Ash or Sulfur %	(24) Combined Control Effic. %	(25) Actual Emissions (tons/year)
PM-2.5	1.28E+00	POUNDS PER HOUR	PERMIT - ONLY 2 OF 22 CELLS OPERATED IN 2006			0.01
PM-10	1.28E+00	POUNDS PER HOUR	PERMIT - ONLY 2 OF 22 CELLS OPERATED IN 2006			0.01
PARTICULATE MATTER	1.28E+00	POUNDS PER HOUR	PERMIT - ONLY 2 OF 22 CELLS OPERATED IN 2006			0.01
SULFUR DIOXIDE						
NITROGEN OXIDES						
VOLATILE ORGANIC COMPOUNDS						
CARBON MONOXIDE						
LEAD						
AMMONIA						

**SUPPORTING DOCUMENTS**

Supporting Documents: \_\_\_\_\_ Description: \_\_\_\_\_