

**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: 2003 (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**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-10	1.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	2.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						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
LEAD COMPOUNDS	1.24E-03	POUNDS PER 1000 GALLONS	FIRE			0.00

**SUPPORTING DOCUMENTS**

Supporting Documents:

CBEC T5 CALCS-2003.XLS

Description:

EMISSIONS CALCULATIONS WORKSHEET

**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: 2003 (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): 14.55(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>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</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>21</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-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.06
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.06
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.04
CARBON MONOXIDE	8.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.61
LEAD						0.00
HEXANE	1.80E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.01

**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: 2003 (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): 188,645.00

(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	30	24	7	13
APR	JUN	28	24	7	13
JUL	SEP	21	24	7	13
OCT	DEC	21	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-10	4.69E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			75.55
PARTICULATE MATTER	7.00E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			112.76
SULFUR DIOXIDE			CEM			1,001.80
NITROGEN OXIDES			CEM			837.57
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			5.66
CARBON MONOXIDE	5.00E-01	POUNDS PER TON	FIRE			47.16
LEAD						0.00
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.04
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			12.26
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.01
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			6.52
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.01
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.04
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.02
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.02
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.05
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.03
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.02
BENZENE	1.30E-03	POUNDS PER TON	FIRE			0.12
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.05
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.03
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.01

**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)
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.07
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.01
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.00
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.05
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			0.24
ARSENIC COMPOUNDS	4.10E-04	POUNDS PER TON	FIRE			0.04
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.00
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.01
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.03
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.02
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.01
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.05
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.03
LEAD COMPOUNDS	4.20E-04	POUNDS PER TON	FIRE			0.04
RADIONUCLIDES (INCLUDING RADON)	9.50E-02	POUNDS PER TON	OTHER - EPA-450			0.01
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			0.12
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.01

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

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

**Description:**

COAL ANALYSIS EMISSION FACTOR CALCULATIONS

**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: 2003 (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): 355,637.00(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>23</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</u>	<u>24</u>	<u>7</u>	<u>13</u>

**(17) ASSOCIATED CONTROL EQUIPMENT ID'S**CE002**(18) ASSOCIATED MONITORING EQUIPMENT ID'S**ME002AME002BME002CME002DME002E**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-10	2.95E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			89.76
PARTICULATE MATTER	4.40E-02	POUNDS PER MILLION CUBIC FEET	OTHER - COMPLIANCE TEST PM			133.88
SULFUR DIOXIDE			CEM			1,898.80
NITROGEN OXIDES			CEM			1,197.36
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			10.67
CARBON MONOXIDE	5.00E-01	POUNDS PER TON	FIRE			88.91
LEAD						0.00
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.01
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.09
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.04
CHLOROETHANE	4.20E-05	POUNDS PER TON	FIRE			0.01
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.01
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.02
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.07
1,2-DICHLOROETHANE	4.00E-05	POUNDS PER TON	FIRE			0.01
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.03
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.05
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.04
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.02
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.01
BENZENE	1.30E-03	POUNDS PER TON	FIRE			0.23
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.30

## 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 TERT BUTYL ETHER	3.50E-05	POUNDS PER TON	FIRE			0.01
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.12
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.10
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.05
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.07
BROMOFORM	3.90E-05	POUNDS PER TON	FIRE			0.01
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			23.11
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			12.29
XYLENE (MIXED ISOMERS)	3.70E-05	POUNDS PER TON	FIRE			0.01
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.10
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.01
ARSENIC COMPOUNDS	4.10E-04	POUNDS PER TON	FIRE			0.07
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.01
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.02
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.06
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			0.44
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.01
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			0.07
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
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			0.23
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.02

**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 7 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 33.21  
 (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>21</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>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>27</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-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.13
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.13
SULFUR DIOXIDE			CEM			0.00
NITROGEN OXIDES			CEM			0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.09
CARBON MONOXIDE	2.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.40
LEAD						0.00
HEXANE	1.80E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.03

**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 8 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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-10	1.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	2.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						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
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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 0.12  
 (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>17</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>51</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>15</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>17</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-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			0.00
NITROGEN OXIDES			CEM			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

**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 10 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 217.90  
 (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>13</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>47</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>12</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-10	1.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.11
PARTICULATE MATTER	2.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.22
SULFUR DIOXIDE			CEM			0.00
NITROGEN OXIDES			CEM			0.00
VOLATILE ORGANIC COMPOUNDS	2.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.02
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.54
LEAD						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: 003 (5) Emission Point Description: CBEC 3 BOILER STACK

## PROCESS INFORMATION

(6) Emission Year: 2003 (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): 3,117,727.00

(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	26	24	7	13
APR	JUN	22	24	7	13
JUL	SEP	27	24	7	13
OCT	DEC	25	24	7	13

## (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-10	1.72E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			459.57
PARTICULATE MATTER	2.57E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			686.68
SULFUR DIOXIDE			CEM			16,107.00
NITROGEN OXIDES			CEM			10,887.39
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			93.53
CARBON MONOXIDE	5.00E-01	POUNDS PER TON	FIRE			779.43
LEAD						0.00
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.37
2-CHLOROACETOPHENONE	7.00E-06	POUNDS PER TON	FIRE			0.01
1,2-DICHLOROETHANE	4.00E-05	POUNDS PER TON	FIRE			0.06
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.53
VINYL ACETATE	7.00E-06	POUNDS PER TON	FIRE			0.01
1,1,1-TRICHLOROETHANE	2.00E-05	POUNDS PER TON	FIRE			0.03
CHLOROENZENE	2.20E-05	POUNDS PER TON	FIRE			0.03
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.45
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.07
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			1.09
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.59
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.61
XYLENE (MIXED ISOMERS)	3.70E-05	POUNDS PER TON	FIRE			0.06
METHYL TERT BUTYL ETHER	3.50E-05	POUNDS PER TON	FIRE			0.05
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.37

## 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)
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			3.90
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.27
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.09
BENZENE	1.30E-03	POUNDS PER TON	FIRE			2.03
ANTIMONY COMPOUNDS	1.80E-05	POUNDS PER TON	FIRE			0.03
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.25
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.83
CHLOROETHANE	4.20E-05	POUNDS PER TON	FIRE			0.07
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.11
STYRENE	2.50E-05	POUNDS PER TON	FIRE			0.04
BROMOFORM	3.90E-05	POUNDS PER TON	FIRE			0.06
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.20
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			202.61
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			107.74
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.07
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.90
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.10
METHYL METHACRYLATE	2.00E-05	POUNDS PER TON	FIRE			0.03
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			0.64
BERYLLIUM COMPOUNDS	2.10E-05	POUNDS PER TON	FIRE			0.03
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.08
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.16
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.45
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.89
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.17
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.76
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.44
LEAD COMPOUNDS	4.20E-04	POUNDS PER TON	FIRE			0.65
POLYCYCLIC ORGANIC MATTER	2.08E-06	POUNDS PER MILLION BTU	FIRE			0.06
RADIONUCLIDES (INCLUDING RADON)	9.50E-02	POUNDS PER TON	OTHER - EPA-450			0.03
PHENOL	1.60E-05	POUNDS PER TON	FIRE			0.02
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			2.03
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.15

**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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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-10	1.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	2.00E+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

**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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 10,739.00  
 (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>17</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>37</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>22</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</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-10	1.33E+01	POUNDS PER HOUR	FIRE			71.19
PARTICULATE MATTER	4.94E+01	POUNDS PER HOUR	FIRE			265.25
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 16 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 3,609,183.00  
 (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>28</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</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-10	4.56E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			8.22
PARTICULATE MATTER	4.56E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			8.22
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 18 of 48

**EMISSION POINTS**

(4) Emission Point ID: 008 (5) Emission Point Description: DUMPER BUILDING DUST COLLECTOR VENT

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 008 (8) SCC No: 30510103  
 (9) Description of Process: DUMPER BUILDING - DUST COLLECTOR 3  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 3,609,183.00  
 (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>28</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</u>	<u>4</u>	<u>5</u>	<u>13</u>

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

CE009

**(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-10	2.69E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.48
PARTICULATE MATTER	2.69E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.48
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 20 of 48

**EMISSION POINTS**(4) Emission Point ID  
010 (5) Emission Point Description  
TRANSFER HOUSE #2 VENT**PROCESS INFORMATION**(6) Emission Year: 2003 (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): 3,662,008.00(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>23</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>26</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</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-10	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.54
PARTICULATE MATTER	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.54
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 22 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 3,117,727.00  
 (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>22</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>27</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</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-10	1.49E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			2.33
PARTICULATE MATTER	1.49E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			2.33
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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  
014 (5) Emission Point Description  
EAST COAL SILOS #3 VENT

## PROCESS INFORMATION

(6) Emission Year: 2003 (7) Emission Unit No: 014 (8) SCC No: 30510103

(9) Description of Process: EAST COAL SILOS #3 - COAL CONVEYING

(10) Raw Material: COAL

(11) Actual Throughput (Yearly Total): 1,558,864.00

(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	26	18	7	13
APR	JUN	22	18	7	13
JUL	SEP	27	18	7	13
OCT	DEC	25	18	7	13

## (17) ASSOCIATED CONTROL EQUIPMENT ID'S

CE015

## (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-10	6.91E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			5.39
PARTICULATE MATTER	6.91E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			5.39
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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  
017(5) Emission Point Description  
1 & 2 TRIPPER VENT**PROCESS INFORMATION**(6) Emission Year: 2003 (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): 544,281.00(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>28</u>	<u>6</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>23</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-10	1.68E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.46
PARTICULATE MATTER	1.68E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.46
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 27 of 48

**EMISSION POINTS**

(4) Emission Point ID: 018 (5) Emission Point Description: ASH HAUL ROAD (FUGITIVE)

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 018 (8) SCC No: 30502011  
 (9) Description of Process: ASH HAUL ROAD  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 3,460.00  
 (12) Units Raw Material: VMT

**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>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</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**

CE019

**(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-10	6.20E+00	POUNDS PER TON	FIRE		50	5.36
PARTICULATE MATTER	1.24E+01	POUNDS PER TON	OTHER - ENG. EST.		50	10.73
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 28 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 70,655.00  
 (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>44</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>21</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>7</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</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-10	1.00E-01	POUNDS PER TON	FIRE			3.53
PARTICULATE MATTER	2.00E-01	POUNDS PER TON	OTHER - ENG.EST.			7.07
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 29 of 48

**EMISSION POINTS**

(4) Emission Point ID: 019B (5) Emission Point Description: ASH POND WIND EROSION

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 019B (8) SCC No: 30510499  
 (9) Description of Process: ASH POND GRADING  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 500.00  
 (12) Units Raw Material: VMT

**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>44</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>21</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>7</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>28</u>	<u>12</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-10	3.30E+00	POUNDS PER VMT	FIRE		50	0.41
PARTICULATE MATTER	5.37E+00	POUNDS PER VMT	FIRE		50	0.67
SULFUR DIOXIDE						
NITROGEN OXIDES						
VOLATILE ORGANIC COMPOUNDS						
CARBON MONOXIDE						
LEAD						

**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 48

**EMISSION POINTS**

(4) Emission Point ID: 019C (5) Emission Point Description: ASH POND WIND EROSION

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 019C (8) SCC No: 30510499  
 (9) Description of Process: ASH PILE WIND EROSION  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 162.00  
 (12) Units Raw Material: ACRE

**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**

CE019

**(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-10	<u>3.80E+02</u>	<u>POUNDS PER ACRE</u>	<u>FIRE</u>		<u>50</u>	<u>15.39</u>
PARTICULATE MATTER	<u>7.60E+02</u>	<u>POUNDS PER ACRE</u>	<u>OTHER - ENG. EST.</u>		<u>50</u>	<u>30.78</u>
SULFUR DIOXIDE						
NITROGEN OXIDES						
VOLATILE ORGANIC COMPOUNDS						
CARBON MONOXIDE						
LEAD						

**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 48

**EMISSION POINTS**

(4) Emission Point ID: 024 (5) Emission Point Description: UNLEADED GASOLINE UST VENT

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 024 (8) SCC No: 40400402  
 (9) Description of Process: UNLEADED GASOLINE UST; WORKING LOSS  
 (10) Raw Material: OTHER  
 (11) Actual Throughput (Yearly Total): 3.50  
 (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>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>50</u>	<u>24</u>	<u>7</u>	<u>13</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**

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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-10						0.00
PARTICULATE MATTER						0.00
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS	<u>1.49E+01</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>FIRE</u>			0.03
CARBON MONOXIDE						0.00
LEAD						0.00
METHYL TERT BUTYL ETHER	<u>2.38E+00</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>OTHER - ENG.EST.</u>			0.00
XYLENE (MIXED ISOMERS)	<u>1.49E+00</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>OTHER - ENG.EST.</u>			0.00
TOLUENE	<u>2.98E+00</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>OTHER - ENG.EST.</u>			0.01

**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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 0.22  
 (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-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>			1.01
CARBON MONOXIDE						0.00
LEAD						0.00
ETHYLENE GLYCOL	<u>9.16E+03</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>MASS BALANCE</u>			1.01

**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 48

**EMISSION POINTS**

(4) Emission Point ID: 026 (5) Emission Point Description: SOLVENT CLEANING VENTING

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 026 (8) SCC No: 40100251  
 (9) Description of Process: SOLVENT PARTS CLEANER  
 (10) Raw Material: SOLVENTS  
 (11) Actual Throughput (Yearly Total): 862.00  
 (12) Units Raw Material: 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>8</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>8</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>25</u>	<u>8</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</u>	<u>8</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-10						0.00
PARTICULATE MATTER						0.00
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS	<u>1.66E+00</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>MASS BALANCE</u>			0.72
CARBON MONOXIDE						0.00
LEAD						0.00
XYLENE (MIXED ISOMERS)	<u>1.67E-02</u>	<u>POUNDS PER 1000 GALLONS</u>	<u>MASS BALANCE</u>			0.01

**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 48

**EMISSION POINTS**

(4) Emission Point ID: 027 (5) Emission Point Description: DIESEL ENGINE STACK

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 027 (8) SCC No: 20200102  
 (9) Description of Process: DIESEL ENGINE FOR FIRE PUMP  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 0.20  
 (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>1</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>25</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</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-10	4.25E+01	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	4.25E+01	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE	3.97E+01	POUNDS PER 1000 GALLONS	FIRE			0.00
NITROGEN OXIDES	6.04E+02	POUNDS PER 1000 GALLONS	FIRE			0.06
VOLATILE ORGANIC COMPOUNDS	4.93E+01	POUNDS PER 1000 GALLONS	FIRE			0.00
CARBON MONOXIDE	1.30E+02	POUNDS PER 1000 GALLONS	FIRE			0.01
LEAD						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 37 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 523,175.00  
 (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>28</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</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-10	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.11</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.23</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>

**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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 3,086,008.00  
 (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>28</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</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-10	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.35</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>

**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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 3,086,008.00  
 (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>28</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</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-10	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.35</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>

**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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 3,086,008.00  
 (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>28</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</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-10	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.35</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>

**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 41 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 3,086,008.00  
 (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>28</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>22</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>26</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-10	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.63</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>1.35</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>

**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 48

**EMISSION POINTS**

(4) Emission Point ID: 112 (5) Emission Point Description: UNITS 1 & 2 AUXILLIARY BOILER STACK

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 112 (8) SCC No: 10200602  
 (9) Description of Process: UNITS 1 & 2 AUXILIARY BOILER-NATURAL GAS  
 (10) Raw Material: NATURAL GAS  
 (11) Actual Throughput (Yearly Total): 0.01  
 (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>50</u>	<u>1</u>	<u>1</u>	<u>1</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>50</u>	<u>1</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-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.00
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.00
SULFUR DIOXIDE	6.00E-01	POUNDS PER MILLION CUBIC FEET	FIRE			0.00
NITROGEN OXIDES	1.40E+02	POUNDS PER MILLION CUBIC FEET	FIRE			0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.00
CARBON MONOXIDE	8.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.00
LEAD						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 43 of 48

**EMISSION POINTS**

(4) Emission Point ID: 113 (5) Emission Point Description: UNITS 1 & 2 EMERGENCY GENERATOR VENT

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 113 (8) SCC No: 20100102  
 (9) Description of Process: UNITS 1 & 2 EMERG. GENERATOR - #2 FUEL OIL  
 (10) Raw Material: FUEL OIL #2  
 (11) Actual Throughput (Yearly Total): 0.61  
 (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>2</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>3</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>93</u>	<u>24</u>	<u>2</u>	<u>1</u>
<u>OCT</u>	<u>DEC</u>	<u>2</u>	<u>1</u>	<u>1</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-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			0.01
NITROGEN OXIDES	6.04E+02	POUNDS PER 1000 GALLONS	FIRE			0.18
VOLATILE ORGANIC COMPOUNDS	4.93E+01	POUNDS PER 1000 GALLONS	FIRE			0.02
CARBON MONOXIDE	1.30E+02	POUNDS PER 1000 GALLONS	FIRE			0.04
LEAD						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 44 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 0.58999997  
 (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>1</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>25</u>	<u>1</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>25</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-10	8.54E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
PARTICULATE MATTER	8.54E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
SULFUR DIOXIDE	1.41E+02	POUNDS PER 1000 GALLONS	FIRE	.50		0.02
NITROGEN OXIDES	9.77E+01	POUNDS PER 1000 GALLONS	FIRE			0.03
VOLATILE ORGANIC COMPOUNDS	2.38E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
CARBON MONOXIDE	6.72E+00	POUNDS PER 1000 GALLONS	FIRE			0.00
LEAD						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 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 576,000.00  
 (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>7</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>51</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>17</u>	<u>6</u>	<u>1</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-10	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.24
PARTICULATE MATTER	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.24
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS						0.00
CARBON MONOXIDE						0.00
LEAD						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 46 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 576,000.00  
 (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>7</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>25</u>	<u>6</u>	<u>2</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>51</u>	<u>6</u>	<u>2</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>17</u>	<u>6</u>	<u>1</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-10	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.27</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.58</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>

**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 47 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (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): 22,815.00  
 (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>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</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-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>

**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 48 of 48

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2003 (7) Emission Unit No: 119B (8) SCC No: 30510298  
 (9) Description of Process: FLYASH SILO BIN VENT  
 (10) Raw Material: ASH  
 (11) Actual Throughput (Yearly Total): 22,815.00  
 (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>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>24</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**

CE119B

**(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-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						
NITROGEN OXIDES						
VOLATILE ORGANIC COMPOUNDS						
CARBON MONOXIDE						
LEAD						

**SUPPORTING DOCUMENTS**

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