

**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 47

**EMISSION POINTS**(4) Emission Point ID  
001(5) Emission Point Description  
CBEC 1 BOILER STACK**PROCESS INFORMATION**(6) Emission Year: 2004 (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-TRI CALCS-2004.XLS

Description:

EMISSIONS CALCULATION WORKSHEET

**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 2 of 47

**EMISSION POINTS**(4) Emission Point ID: 001 (5) Emission Point Description: CBEC 1 BOILER STACK**PROCESS INFORMATION**(6) Emission Year: 2004 (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): 234,632.00(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>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>26</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>22</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	4.69E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			93.81
PARTICULATE MATTER	7.00E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			140.02
SULFUR DIOXIDE			CEM			1,252.60
NITROGEN OXIDES			CEM			1,130.18
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			7.04
CARBON MONOXIDE	5.00E-01	POUNDS PER TON	FIRE			58.66
LEAD						0.00
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.04
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.02
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.01
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			15.25
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.01
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.07
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.01
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.03
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.02
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.03
BENZENE	1.30E-03	POUNDS PER TON	FIRE			0.15
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			0.15
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.06
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.07
DICHLOROMETHANE	2.90E-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
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.08
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			8.11
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.01
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			0.29
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.05
ARSENIC COMPOUNDS	4.10E-04	POUNDS PER TON	FIRE			0.05
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.01
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.02
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.04
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.01
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.01
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.06
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.03
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
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.03
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 (3) Page 4 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 17.62  
 (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>19</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>26</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>29</u>	<u>24</u>	<u>7</u>	<u>13</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-10	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.07
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.07
SULFUR DIOXIDE						0.00
NITROGEN OXIDES						0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.05
CARBON MONOXIDE	8.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.74
LEAD						0.00
HEXANE	1.80E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.02

**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 5 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 337,033.00

(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	26	24	7	13
JUL	SEP	27	24	7	13
OCT	DEC	17	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-10	2.95E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			84.79
PARTICULATE MATTER	4.40E-02	POUNDS PER MILLION CUBIC FEET	OTHER - COMPLIANCE TEST PM			126.47
SULFUR DIOXIDE			CEM			1,634.90
NITROGEN OXIDES			CEM			1,091.29
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			10.11
CARBON MONOXIDE	3.25E-01	POUNDS PER MILLION BTU	CEM			934.12
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			0.06
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			0.22
BROMOMETHANE	1.60E-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)
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			21.90
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			11.65
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			0.42
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.01
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.08
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			0.22
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 47

**EMISSION POINTS**(4) Emission Point ID: 002 (5) Emission Point Description: CBEC 2 BOILER STACK**PROCESS INFORMATION**(6) Emission Year: 2004 (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): 26.32(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>23</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>28</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>30</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>19</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	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.10
PARTICULATE MATTER	7.60E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.10
SULFUR DIOXIDE			CEM			0.00
NITROGEN OXIDES			CEM			0.00
VOLATILE ORGANIC COMPOUNDS	5.50E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.07
CARBON MONOXIDE	2.40E+01	POUNDS PER MILLION CUBIC FEET	FIRE			0.32
LEAD						0.00
HEXANE	1.80E+00	POUNDS PER MILLION CUBIC FEET	FIRE			0.02

**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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 2,777,671.00

(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	28	24	7	13
APR	JUN	16	24	7	13
JUL	SEP	29	24	7	13
OCT	DEC	27	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			409.01
PARTICULATE MATTER	2.57E-02	POUNDS PER MILLION BTU	OTHER - COMPLIANCE TEST PM			611.14
SULFUR DIOXIDE			CEM			12,652.80
NITROGEN OXIDES			CEM			10,307.89
VOLATILE ORGANIC COMPOUNDS	6.00E-02	POUNDS PER TON	FIRE			83.33
CARBON MONOXIDE	1.00E-01	POUNDS PER MILLION BTU	CEM			2,377.96
LEAD						0.00
TOLUENE	2.40E-04	POUNDS PER TON	FIRE			0.33
2-CHLOROACETOPHENONE	7.00E-06	POUNDS PER TON	FIRE			0.01
1,2-DICHLOROETHANE	4.00E-05	POUNDS PER TON	FIRE			0.06
COBALT COMPOUNDS	1.00E-04	POUNDS PER TON	FIRE			0.14
VINYL ACETATE	7.00E-06	POUNDS PER TON	FIRE			0.01
1,1,1-TRICHLOROETHANE	2.00E-05	POUNDS PER TON	FIRE			0.03
CHLOROBENZENE	2.20E-05	POUNDS PER TON	FIRE			0.03
ACROLEIN	2.90E-04	POUNDS PER TON	FIRE			0.40
TETRACHLOROETHYLENE	4.30E-05	POUNDS PER TON	FIRE			0.06
BENZYL CHLORIDE	7.00E-04	POUNDS PER TON	FIRE			0.97
PROPIONALDEHYDE	3.80E-04	POUNDS PER TON	FIRE			0.53
METHYL ETHYL KETONE	3.90E-04	POUNDS PER TON	FIRE			0.54
XYLENE (MIXED ISOMERS)	3.70E-05	POUNDS PER TON	FIRE			0.05
METHYL TERT BUTYL ETHER	3.50E-05	POUNDS PER TON	FIRE			0.05
FORMALDEHYDE	2.40E-04	POUNDS PER TON	FIRE			0.33

## 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)
CHROMIUM COMPOUNDS	3.39E-04	POUNDS PER TON	FIRE			0.47
METHYL HYDRAZINE	1.70E-04	POUNDS PER TON	FIRE			0.24
CHLOROFORM	5.90E-05	POUNDS PER TON	FIRE			0.08
BENZENE	1.30E-03	POUNDS PER TON	FIRE			1.81
RADIONUCLIDES (INCLUDING RADON)	9.50E-02	POUNDS PER TON	OTHER - EPA-450			0.03
BROMOMETHANE	1.60E-04	POUNDS PER TON	FIRE			0.22
METHYL CHLORIDE	5.30E-04	POUNDS PER TON	FIRE			0.74
CHLOROETHANE	4.20E-05	POUNDS PER TON	FIRE			0.06
DI(2-ETHYLHEXYL) PHTHALATE	7.30E-05	POUNDS PER TON	FIRE			0.10
STYRENE	2.50E-05	POUNDS PER TON	FIRE			0.03
BROMOFORM	3.90E-05	POUNDS PER TON	FIRE			0.05
CARBON DISULFIDE	1.30E-04	POUNDS PER TON	FIRE			0.18
HYDROCHLORIC ACID	1.30E-01	POUNDS PER TON	OTHER - COAL ANALYSIS			180.51
HYDROGEN FLUORIDE	6.91E-02	POUNDS PER TON	OTHER - COAL ANALYSIS			95.98
DIMETHYL SULFATE	4.80E-05	POUNDS PER TON	FIRE			0.07
ISOPHORONE	5.80E-04	POUNDS PER TON	FIRE			0.81
HEXANE	6.70E-05	POUNDS PER TON	FIRE			0.09
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			0.57
BERYLLIUM COMPOUNDS	2.10E-05	POUNDS PER TON	FIRE			0.03
CADMIUM COMPOUNDS	5.10E-05	POUNDS PER TON	FIRE			0.07
DICHLOROMETHANE	2.90E-04	POUNDS PER TON	FIRE			0.40
ACETALDEHYDE	5.70E-04	POUNDS PER TON	FIRE			0.79
CYANIDE COMPOUNDS	2.50E-03	POUNDS PER TON	FIRE			3.47
MERCURY COMPOUNDS	1.07E-04	POUNDS PER TON	OTHER - COAL ANALYSIS			0.15
MANGANESE COMPOUNDS	4.90E-04	POUNDS PER TON	FIRE			0.68
NICKEL COMPOUNDS	2.80E-04	POUNDS PER TON	FIRE			0.39
LEAD COMPOUNDS	4.20E-04	POUNDS PER TON	FIRE			0.58
POLYCYCLIC ORGANIC MATTER	2.08E-06	POUNDS PER MILLION BTU	FIRE			0.05
PHENOL	1.60E-05	POUNDS PER TON	FIRE			0.02
ANTIMONY COMPOUNDS	1.80E-05	POUNDS PER TON	FIRE			0.02
SELENIUM COMPOUNDS	1.30E-03	POUNDS PER TON	FIRE			1.81
ETHYLBENZENE	9.40E-05	POUNDS PER TON	FIRE			0.13

**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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 0.04  
 (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>1</u>	<u>1</u>
<u>APR</u>	<u>JUN</u>	<u>50</u>	<u>24</u>	<u>1</u>	<u>1</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**

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 12 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 432.64  
 (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>30</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>34</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>18</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>18</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			0.22
PARTICULATE MATTER	2.00E+00	POUNDS PER 1000 GALLONS	FIRE			0.43
SULFUR DIOXIDE			CEM			0.00
NITROGEN OXIDES			CEM			0.00
VOLATILE ORGANIC COMPOUNDS	2.00E-01	POUNDS PER 1000 GALLONS	FIRE			0.04
CARBON MONOXIDE	5.00E+00	POUNDS PER 1000 GALLONS	FIRE			1.08
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 13 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 10,428.00  
 (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>37</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>33</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>13</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>17</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			69.13
PARTICULATE MATTER	4.94E+01	POUNDS PER HOUR	FIRE			257.57
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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 3,325,123.00  
 (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>20</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</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	2.48E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			4.12
PARTICULATE MATTER	2.48E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			4.12
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 17 of 47

**EMISSION POINTS**(4) Emission Point ID  
007(5) Emission Point Description  
DUMPER BUILDING VENT**PROCESS INFORMATION**(6) Emission Year: 2004 (7) Emission Unit No: 007 (8) SCC No: 30510103(9) Description of Process: DUMPER BUILDING - DUST COLLECTOR 2(10) Raw Material: COAL(11) Actual Throughput (Yearly Total): 1,662,561.50(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>50</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>50</u>	<u>4</u>	<u>5</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**CE008**(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	3.43E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.29
PARTICULATE MATTER	3.43E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.29
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 47

**EMISSION POINTS**(4) Emission Point ID  
010 (5) Emission Point Description  
TRANSFER HOUSE #2 VENT**PROCESS INFORMATION**(6) Emission Year: 2004 (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): 3,349,336.00(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>17</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</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-10	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.41
PARTICULATE MATTER	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			1.41
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 47

**EMISSION POINTS**(4) Emission Point ID: 013 (5) Emission Point Description: TRANSFER HOUSE #4 (CRUSHER) VENT**PROCESS INFORMATION**(6) Emission Year: 2004 (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): 2,777,671.00(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>16</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>29</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**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			2.08
PARTICULATE MATTER	1.49E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			2.08
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 23 of 47

**EMISSION POINTS**

(4) Emission Point ID: 014 (5) Emission Point Description: EAST COAL SILOS #3 VENT

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,190,430.40  
 (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>28</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>16</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>29</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**

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			4.11
PARTICULATE MATTER	6.91E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			4.11
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 24 of 47

**EMISSION POINTS**

(4) Emission Point ID: 015 (5) Emission Point Description: WEST COAL SILOS #3 VENT

**PROCESS INFORMATION**

(6) Emission Year: 2004 (7) Emission Unit No: 015 (8) SCC No: 30510103  
 (9) Description of Process: WEST COAL SILOS #3 - COAL CONVEYING  
 (10) Raw Material: COAL  
 (11) Actual Throughput (Yearly Total): 1,587,240.60  
 (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>16</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>29</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**

CE016

**(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	5.76E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			4.57
PARTICULATE MATTER	5.76E-03	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			4.57
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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 3,424.00  
 (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>29</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>19</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>29</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>23</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 VMT	FIRE		50	5.31
PARTICULATE MATTER	1.24E+01	POUNDS PER VMT	OTHER - ENG. EST.		50	10.61
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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 66,237.00  
 (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>45</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>5</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>32</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			3.31
PARTICULATE MATTER	2.00E-01	POUNDS PER TON	OTHER - ENG.EST.			6.62
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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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**

**(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	3.30E+00	POUNDS PER VMT	FIRE		50	0.41
PARTICULATE MATTER	5.37E+00	POUNDS PER VMT	FIRE		50	0.67
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 30 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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						<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 31 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 108,829.00  
 (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>12</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>16</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>28</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-10	2.00E-01	POUNDS PER TON	FIRE		74.3	2.80
PARTICULATE MATTER	2.99E-01	POUNDS PER TON	FIRE		74.3	4.17
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 32 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 22,385.00  
 (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>27</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>26</u>	<u>12</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>19</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-10	2.00E-01	POUNDS PER TON	FIRE		74.3	0.58
PARTICULATE MATTER	2.99E-01	POUNDS PER TON	FIRE		74.3	0.86
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 33 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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 34 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 943.00  
 (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>			0.79
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 35 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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 36 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,384,787.00  
 (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>20</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</u>	<u>4</u>	<u>5</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</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	9.40E-04	POUNDS PER TON	AP42		56.25	0.28
PARTICULATE MATTER	2.00E-03	POUNDS PER TON	AP42		56.25	0.61
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 37 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,940,336.00  
 (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>20</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</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>0.40</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.85</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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,940,336.00  
 (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>20</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</u>	<u>4</u>	<u>7</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</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>0.40</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.85</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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,940,336.00  
 (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>20</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</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	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.40</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.85</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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,940,336.00  
 (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>20</u>	<u>18</u>	<u>7</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>28</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	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.40</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>		<u>56.25</u>	<u>0.85</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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 0.60  
 (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			0.04
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			0.03
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 42 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 0.18  
 (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			0.05
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 43 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 0.33  
 (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		0.01
NITROGEN OXIDES	9.77E+01	POUNDS PER 1000 GALLONS	FIRE			0.02
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 44 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,409,000.00  
 (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>20</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>49</u>	<u>6</u>	<u>2</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>7</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</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			0.59
PARTICULATE MATTER	8.40E-04	POUNDS PER TON	OTHER - COMPLIANCE TEST PM			0.59
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 45 of 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 1,409,000.00  
 (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>20</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>49</u>	<u>6</u>	<u>2</u>	<u>13</u>
<u>JUL</u>	<u>SEP</u>	<u>7</u>	<u>6</u>	<u>1</u>	<u>13</u>
<u>OCT</u>	<u>DEC</u>	<u>24</u>	<u>6</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	<u>9.40E-04</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>0.66</u>
PARTICULATE MATTER	<u>2.00E-03</u>	<u>POUNDS PER TON</u>	<u>AP42</u>			<u>1.41</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 47

**EMISSION POINTS**

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

**PROCESS INFORMATION**

(6) Emission Year: 2004 (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): 22,385.00  
 (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>27</u>	<u>24</u>	<u>7</u>	<u>13</u>
<u>APR</u>	<u>JUN</u>	<u>28</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>19</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						<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: \_\_\_\_\_