Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring Method

Unit/Stack/Pipe Identifier	Parameter	Methodology	Substitute Data Approach	Bypass Approach Code	Begin Date/Hour	End Date/Hour
1	CO2	CEM	SPTS		01/01/1995 00	
	HI	CEM	SPTS		01/01/1995 00	
	NOX	NOXR			05/01/2002 00	
	NOXR	CEM	SPTS		01/01/1995 00	
	OP	COM			01/01/1995 00	03/31/2001 23
	OP	EXP			12/15/1994 00	
	SO2	CEM	SPTS		01/01/1995 00	

Parameter Codes:
SO2 - SO2 Hourly Mass Rate (lb/hr)
OP - Opacity
NOXR - NOx Emission Rate (lb/mmBtu)
NOX - NOx Hourly Mass Rate (lb/hr)
HI - Heat Input Rate (mmBtu/hr)
CO2 - CO2 Hourly Mass Rate (ton/hr)

Methodology Codes:
NOXR - NOx Mass Calculated from NOx Emission Rate
EXP - Exempt
COM - Continuous Opacity or Particulate Matter Monitor
CEM - Continuous Emission Monitor

Substitute Data Codes:
SPTS - Standard Part 75 for Missing Data

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring System / Analytical Components

Unit/Stack /Pipe Identifier	System					Component								
	ID	Type	Des	Begin Date/Hour	End Date/Hour	ID	Type	SAM	BAS	Manufacturer	Model or Version	Serial Number	Begin Date/Hour	End Date/Hour
1	M01	FLOW	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						F01	FLOW	U	W	USI	150	610	01/01/1995 00	
	M02	SO2	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						LK1	SO2	DOU	W	API	100E	708	12/08/2010 18	12/14/2010 08
						P01	PRB	DIL		M&C		01	01/01/1995 00	
						S01	SO2	DOU	W	API	100E	058	01/01/1995 00	
	M05	NOX	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						C01	CO2	DOU	W	CALIFORNIA ANALYTICAL	ZRH	A4B1695T	01/01/1995 00	
						N01	NOX	DOU	W	API	200E	468	01/01/1995 00	
						P01	PRB	DIL		M&C		01	01/01/1995 00	
	M09	CO2	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						C01	CO2	DOU	W	CALIFORNIA ANALYTICAL	ZRH	A4B1695T	01/01/1995 00	
						P01	PRB	DIL		M&C		01	01/01/1995 00	
	M11	SO2	P	01/01/1995 00	12/31/2003 23	120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	12/31/2003 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	12/31/2003 23
						S01	SO2	DOU	W	API	100E	058	01/01/1995 00	12/31/2003 23

System Types Descriptions:

FLOW - Stack Flow
SO2 - SO2 Concentration
NOX - NOx Emission Rate
CO2 - CO2 Concentration

System Designations Descriptions:

P - Primary

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

Sample Acquisition Method (SAM):
U - Ultrasonic
DOU - Dilution Out-of-Stack
DIL - Dilution

Component Types Descriptions:
DAHS - Data Acquisition and Handling System
FLOW - Stack Flow Analyzer
SO2 - SO2 Concentration
PRB - Probe
CO2 - CO2 Concentration
NOX - NOx Concentration

Analyzer Range Data

Unit/Stack/Pipe Identifier	Component Type	Component ID	Range Code	Dual Range Indicator	Begin Date/Hour	End Date/Hour
1	CO2	C01	High Range		01/01/1995 00	
	NOX	N01	High Range		01/01/1995 00	
	SO2	S01	Low Range		01/01/1995 00	04/27/2011 10
	SO2	S01	Auto Ranging	Y	04/27/2011 11	
	SO2	LK1	Low Range		12/08/2010 18	12/14/2010 08

Component Types Descriptions:
CO2 - CO2 Concentration
NOX - NOx Concentration
SO2 - SO2 Concentration

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Emissions Formulas

Unit/Stack/Pipe Identifier	Parameter	Formula ID	Formula Code	Formula	Begin Date/Hour	End Date/Hour
1	NOXR	M03	F-6	E_h=0.0000001194*S#(N01-M05)*1800*(100/S#(C01-M05))	01/01/1995 00	
	HI	M12	F-15	HI=S#(F01-M01)*S#(C01-M09)/180000	01/01/1995 00	
	NOX	M20	F-24A	MNOX = F#(M03) * F#(M12)	07/01/1998 00	
	SO2	M45	F-1	E_h=0.000000166*S#(S01-M11)*S#(F01-M01)	01/01/1995 00	06/30/2007 23
	CO2	M47	F-11	E_h=0.00000057*S#(C01-M09)*S#(F01-M01)	01/01/1995 00	
	SO2	M49	F-1	E_h=0.000000166*S#(S01-M02)*S#(F01-M01)	01/01/1995 00	

Parameter Codes Descriptions:

NOXR - NOx Emission Rate (lb/mmBtu)

HI - Heat Input Rate (mmBtu/hr)

NOX - NOx Hourly Mass Rate (lb/hr)

SO2 - SO2 Hourly Mass Rate (lb/hr)

CO2 - CO2 Hourly Mass Rate (ton/hr)

Formula Codes Descriptions:

F-6 - NOXR/SO2R (from NOX or SO2 wet, CO2 wet, Fc)

F-24A - NOX (from NOX rate, HI)

F-15 - HI (from wet CO2, flow, Fc)

F-11 - CO2 (from CO2 wet, flow)

F-1 - SO2 (from SO2 wet, flow)

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Span Values

Unit/Stack /Pipe Identifier	Comp Type	Scale	Method	MPC/ MPF	MEC	Span Value	Full-Scale Range	Units of Measure	Scale Transition Point	Def. High Range Value	Flow Full Range (SCFH)	Flow Span Value (SCFH)	Begin Date/Hour	End Date/Hour
1	CO2	H	TB	14.0		20.000	25.000	PCT					10/01/1996 00	
	FLOW		F	172416000		3592.000	3592.000	KSCFM			215520000	215520000	04/01/1996 00	
	NOX	H	TB	800.0		1000.000	1250.000	PPM					01/01/1995 00	06/30/2000 23
	NOX	H	TB	460.0		600.000	600.000	PPM					07/01/2000 00	10/13/2003 10
	NOX	H	TB	460.0		500.000	500.000	PPM					10/13/2003 11	
	SO2	H	F	1599.0	159.0	2000.000	25000.000	PPM	250.0				01/01/1995 00	10/13/2003 10
	SO2	H	F	1599.0		2000.000	2500.000	PPM					10/13/2003 11	12/31/2003 23
	SO2	H	F	1599.0	159.0			PPM		3198			01/01/2004 00	04/27/2011 10
	SO2	H	HD	1599.0	159.0	2000.000	2000.000	PPM	180.0				04/27/2011 11	
	SO2	L	F		168.0	210.000	250.000	PPM	250.0				01/01/1995 00	10/13/2003 10
	SO2	L	F		159.0	180.000	180.000	PPM	180.0				01/01/2004 00	

Component Types Descriptions:
- CO2 - CO2 Concentration
- FLOW - Stack Flow Analyzer
- NOX - NOx Concentration
- SO2 - SO2 Concentration

Span Method Codes Descriptions:
- TB - Table Defaults from Part 75
- HD - Historical Data
- F - Formula

Units of Measure Descriptions:
- PPM - Parts per Million
- PCT - Percentage
- KSCFM - Thousand Standard Cubic Feet of Stack Flow / Minute

Unit/Stack/Pipe Load or Operating Level Information

Unit/Stack/Pipe Identifier	Maximum Hourly Load	Units of Measure	Upper Bound of Range of Operation	Lower Bound of Range of Operation	Designated Normal Op. Level	Second Most Frequently Used Op. Level	Second Normal Indicator	Load Analysis Date	Begin Date/Hour	End Date/Hour
1	936	MW	900	500	High	Low	No	01/28/2000	01/01/1995 00	12/31/2000 23
	936	MW	936	530	High	Low	No	01/01/2001	01/01/2001 00	

Units of Measure Descriptions: MW - Megawatt

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring Defaults

Unit/Stack/Pipe Identifier	Parameter	Value	Units of Measure	Purpose Code	Fuel Type	Operating Condition	Source of Value	Begin Date/Hour	End Date/Hour
1	CO2N	5.0000	PCT	DC	NFS	A	DEF	01/01/2000 00	
	NORX	1.6500	LBMMBTU	MD	NFS	A	DEF	01/01/1995 00	06/30/2000 23
	NORX	0.9000	LBMMBTU	MD	NFS	A	DEF	07/01/2000 00	10/13/2003 10
	NORX	0.9000	LBMMBTU	MD	NFS	A	DEF	10/13/2003 11	

Parameter Codes Descriptions: NORX - Maximum NOx Emission Rate (lb/mmBtu)
CO2N - CO2 Minimum Concentration (pct)

Units of Measure Descriptions: PCT - Percentage
LBMMBTU - Pounds / mmBtu

Purpose Codes Descriptions: MD - Missing Data (or Unmonitored Bypass Stack or Emergency Fuel) Default
DC - Diluent Cap

Fuel Type Codes Descriptions: NFS - Non-Fuel Specific

Operating Conditions Descriptions: A - Any Hour

Source Codes Descriptions: DEF - Default Value from Part 75

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Facility Name: Conemaugh

Facility Details

Facility ID (ORISPL):	3118
Monitoring Plan Location IDs:	1
State:	PA
County:	Indiana
Latitude:	40.3842
Longitude:	-79.0611

Reporting Frequency

Monitoring Plan Location IDs	Reporting Frequency	Begin Quarter	End Quarter
1	Q - Quarterly	1994 QTR 4	

Monitoring Location Attributes

Unit/Stack/Pipe Identifier	Duct Indicator	Ground Elevation	Stack Height	Cross Area Exit	Cross Area Flow	Material Code	Shape Code	Begin Date	End Date
1		1085	525	616	855	OTHER	ROUND	11/15/1993	

Unit Operation Information

Unit Identifier	Commence Commercial Operation Date	Commence Operation Date	Boiler/Turbine Type			Max Heat Input		
			Code	Begin Date	End Date	Value (mmBtu)	Begin Date	End Date
1	05/01/1970	05/01/1970	T	05/01/1970		8985.0	10/31/2002	

Unit Type Codes: T - Tangentially-fired

Unit Program Information

Unit Identifier	Program Code	Unit Class	Unit Monitor Certification Begin Date	Unit Monitor Certification Deadline
1	ARP	P1	11/15/1993	11/15/1993
	CAIRNOX	A	01/01/2008	01/01/2008
	CAIROS	A	05/01/2008	05/01/2008
	CAIRSO2	A	01/01/2009	01/01/2009
	NBP	A	05/01/2002	05/01/2002
	OTC	B	05/01/1999	05/01/1999

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit Fuel

Unit Identifier	Fuel Type	Fuel Indicator	Demonstration Method for GCV	Demonstration Method for Daily Sulfur	Ozone Season Indicator	Begin Date	End Date
1	C	P				01/01/1995	
	PNG	S				01/01/1995	

Fuel Type Codes: PNG - Pipeline Natural Gas
C - Coal

Fuel Indicator Codes: S - Secondary
P - Primary

Unit Controls

Unit Identifier	Parameter	Control Equipment	Original Ind	Seasonal Ind	Installation Date	Optimization Date	Retirement Date
1	PART	ESP	Y				
	NOX	LNC3			12/12/1994	01/30/1997	
	SO2	WLS			12/15/1994		

Control Equipment Descriptions: WLS - Wet Limestone
LNC3 - Low NOx Burner Technology w/ Closed-coupled/Separated OFA
ESP - Electrostatic Precipitator

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring Method

Unit/Stack/Pipe Identifier	Parameter	Methodology	Substitute Data Approach	Bypass Approach Code	Begin Date/Hour	End Date/Hour
1	CO2	CEM	SPTS		01/01/1995 00	
	HI	CEM	SPTS		01/01/1995 00	
	NOX	NOXR			05/01/2002 00	
	NOXR	CEM	SPTS		01/01/1995 00	
	OP	COM			01/01/1995 00	03/31/2001 23
	OP	EXP			12/15/1994 00	
	SO2	CEM	SPTS		01/01/1995 00	

Parameter Codes:
SO2 - SO2 Hourly Mass Rate (lb/hr)
OP - Opacity
NOXR - NOx Emission Rate (lb/mmBtu)
NOX - NOx Hourly Mass Rate (lb/hr)
HI - Heat Input Rate (mmBtu/hr)
CO2 - CO2 Hourly Mass Rate (ton/hr)

Methodology Codes:
NOXR - NOx Mass Calculated from NOx Emission Rate
EXP - Exempt
COM - Continuous Opacity or Particulate Matter Monitor
CEM - Continuous Emission Monitor

Substitute Data Codes:
SPTS - Standard Part 75 for Missing Data

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring System / Analytical Components

Unit/Stack /Pipe Identifier	System					Component								
	ID	Type	Des	Begin Date/Hour	End Date/Hour	ID	Type	SAM	BAS	Manufacturer	Model or Version	Serial Number	Begin Date/Hour	End Date/Hour
1	M01	FLOW	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						F01	FLOW	U	W	USI	150	610	01/01/1995 00	
	M02	SO2	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						LK1	SO2	DOU	W	API	100E	708	12/08/2010 18	12/14/2010 08
						P01	PRB	DIL		M&C		01	01/01/1995 00	
						S01	SO2	DOU	W	API	100E	058	01/01/1995 00	
	M05	NOX	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						C01	CO2	DOU	W	CALIFORNIA ANALYTICAL	ZRH	A4B1695T	01/01/1995 00	
						N01	NOX	DOU	W	API	200E	468	01/01/1995 00	
						P01	PRB	DIL		M&C		01	01/01/1995 00	
	M09	CO2	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	03/31/2007 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						C01	CO2	DOU	W	CALIFORNIA ANALYTICAL	ZRH	A4B1695T	01/01/1995 00	
						P01	PRB	DIL		M&C		01	01/01/1995 00	
	M11	SO2	P	01/01/1995 00	12/31/2003 23	120	DAHS			MARSIII (PENELEC/ESC)	VER 1.0		01/01/1995 00	12/31/2003 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	12/31/2003 23
						S01	SO2	DOU	W	API	100E	058	01/01/1995 00	12/31/2003 23

System Types Descriptions:

FLOW - Stack Flow
SO2 - SO2 Concentration
NOX - NOx Emission Rate
CO2 - CO2 Concentration

System Designations Descriptions:

P - Primary

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

Sample Acquisition Method (SAM):
U - Ultrasonic
DOU - Dilution Out-of-Stack
DIL - Dilution

Component Types Descriptions:
DAHS - Data Acquisition and Handling System
FLOW - Stack Flow Analyzer
SO2 - SO2 Concentration
PRB - Probe
CO2 - CO2 Concentration
NOX - NOx Concentration

Analyzer Range Data

Unit/Stack/Pipe Identifier	Component Type	Component ID	Range Code	Dual Range Indicator	Begin Date/Hour	End Date/Hour
1	CO2	C01	High Range		01/01/1995 00	
	NOX	N01	High Range		01/01/1995 00	
	SO2	S01	Low Range		01/01/1995 00	04/27/2011 10
	SO2	S01	Auto Ranging	Y	04/27/2011 11	
	SO2	LK1	Low Range		12/08/2010 18	12/14/2010 08

Component Types Descriptions:
CO2 - CO2 Concentration
NOX - NOx Concentration
SO2 - SO2 Concentration

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Emissions Formulas

Unit/Stack/Pipe Identifier	Parameter	Formula ID	Formula Code	Formula	Begin Date/Hour	End Date/Hour
1	NOXR	M03	F-6	E_h=0.0000001194*S#(N01-M05)*1800*(100/S#(C01-M05))	01/01/1995 00	
	HI	M12	F-15	HI=S#(F01-M01)*S#(C01-M09)/180000	01/01/1995 00	
	NOX	M20	F-24A	MNOX = F#(M03) * F#(M12)	07/01/1998 00	
	SO2	M45	F-1	E_h=0.000000166*S#(S01-M11)*S#(F01-M01)	01/01/1995 00	06/30/2007 23
	CO2	M47	F-11	E_h=0.00000057*S#(C01-M09)*S#(F01-M01)	01/01/1995 00	
	SO2	M49	F-1	E_h=0.000000166*S#(S01-M02)*S#(F01-M01)	01/01/1995 00	

Parameter Codes Descriptions:

NOXR - NOx Emission Rate (lb/mmBtu)
HI - Heat Input Rate (mmBtu/hr)
NOX - NOx Hourly Mass Rate (lb/hr)
SO2 - SO2 Hourly Mass Rate (lb/hr)
CO2 - CO2 Hourly Mass Rate (ton/hr)

Formula Codes Descriptions:

F-6 - NOXR/SO2R (from NOX or SO2 wet, CO2 wet, Fc)
F-24A - NOX (from NOX rate, HI)
F-15 - HI (from wet CO2, flow, Fc)
F-11 - CO2 (from CO2 wet, flow)
F-1 - SO2 (from SO2 wet, flow)

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Span Values

Unit/Stack /Pipe Identifier	Comp Type	Scale	Method	MPC/ MPF	MEC	Span Value	Full-Scale Range	Units of Measure	Scale Transition Point	Def. High Range Value	Flow Full Range (SCFH)	Flow Span Value (SCFH)	Begin Date/Hour	End Date/Hour
1	CO2	H	TB	14.0		20.000	25.000	PCT					10/01/1996 00	
	FLOW		F	172416000		3592.000	3592.000	KSCFM			215520000	215520000	04/01/1996 00	
	NOX	H	TB	800.0		1000.000	1250.000	PPM					01/01/1995 00	06/30/2000 23
	NOX	H	TB	460.0		600.000	600.000	PPM					07/01/2000 00	10/13/2003 10
	NOX	H	TB	460.0		500.000	500.000	PPM					10/13/2003 11	
	SO2	H	F	1599.0	159.0	2000.000	25000.000	PPM	250.0				01/01/1995 00	10/13/2003 10
	SO2	H	F	1599.0		2000.000	2500.000	PPM					10/13/2003 11	12/31/2003 23
	SO2	H	F	1599.0	159.0			PPM		3198			01/01/2004 00	04/27/2011 10
	SO2	H	HD	1599.0	159.0	2000.000	2000.000	PPM	180.0				04/27/2011 11	
	SO2	L	F		168.0	210.000	250.000	PPM	250.0				01/01/1995 00	10/13/2003 10
	SO2	L	F		159.0	180.000	180.000	PPM	180.0				01/01/2004 00	

Component Types Descriptions:
CO2 - CO2 Concentration
FLOW - Stack Flow Analyzer
NOX - NOx Concentration
SO2 - SO2 Concentration

Span Method Codes Descriptions:
TB - Table Defaults from Part 75
HD - Historical Data
F - Formula

Units of Measure Descriptions:
PPM - Parts per Million
PCT - Percentage
KSCFM - Thousand Standard Cubic Feet of Stack Flow / Minute

Unit/Stack/Pipe Load or Operating Level Information

Unit/Stack/Pipe Identifier	Maximum Hourly Load	Units of Measure	Upper Bound of Range of Operation	Lower Bound of Range of Operation	Designated Normal Op. Level	Second Most Frequently Used Op. Level	Second Normal Indicator	Load Analysis Date	Begin Date/Hour	End Date/Hour
1	936	MW	900	500	High	Low	No	01/28/2000	01/01/1995 00	12/31/2000 23
	936	MW	936	530	High	Low	No	01/01/2001	01/01/2001 00	

Units of Measure Descriptions: MW - Megawatt

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring Defaults

Unit/Stack/Pipe Identifier	Parameter	Value	Units of Measure	Purpose Code	Fuel Type	Operating Condition	Source of Value	Begin Date/Hour	End Date/Hour
1	CO2N	5.0000	PCT	DC	NFS	A	DEF	01/01/2000 00	
	NORX	1.6500	LBMMBTU	MD	NFS	A	DEF	01/01/1995 00	06/30/2000 23
	NORX	0.9000	LBMMBTU	MD	NFS	A	DEF	07/01/2000 00	10/13/2003 10
	NORX	0.9000	LBMMBTU	MD	NFS	A	DEF	10/13/2003 11	

Parameter Codes Descriptions: NORX - Maximum NOx Emission Rate (lb/mmBtu)
CO2N - CO2 Minimum Concentration (pct)

Units of Measure Descriptions: PCT - Percentage
LBMMBTU - Pounds / mmBtu

Purpose Codes Descriptions: MD - Missing Data (or Unmonitored Bypass Stack or Emergency Fuel) Default
DC - Diluent Cap

Fuel Type Codes Descriptions: NFS - Non-Fuel Specific

Operating Conditions Descriptions: A - Any Hour

Source Codes Descriptions: DEF - Default Value from Part 75

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Facility Name: Conemaugh

Facility Details

Facility ID (ORISPL):	3118
Monitoring Plan Location IDs:	2
State:	PA
County:	Indiana
Latitude:	40.3842
Longitude:	-79.0611

Reporting Frequency

Monitoring Plan Location IDs	Reporting Frequency	Begin Quarter	End Quarter
2	Q - Quarterly	1995 QTR 1	

Monitoring Location Attributes

Unit/Stack/Pipe Identifier	Duct Indicator	Ground Elevation	Stack Height	Cross Area Exit	Cross Area Flow	Material Code	Shape Code	Begin Date	End Date
2		1085	525	616	855	OTHER	ROUND	11/15/1993	

Unit Operation Information

Unit Identifier	Commence Commercial Operation Date	Commence Operation Date	Boiler/Turbine Type			Max Heat Input		
			Code	Begin Date	End Date	Value (mmBtu)	Begin Date	End Date
2	05/01/1971	05/01/1971	T	05/01/1971		8985.0	10/31/2002	

Unit Type Codes: T - Tangentially-fired

Unit Program Information

Unit Identifier	Program Code	Unit Class	Unit Monitor Certification Begin Date	Unit Monitor Certification Deadline
2	ARP	P1	11/15/1993	11/15/1993
	CAIRNOX	A	01/01/2008	01/01/2008
	CAIROS	A	05/01/2008	05/01/2008
	CAIRSO2	A	01/01/2009	01/01/2009
	NBP	A	05/01/2002	05/01/2002
	OTC	B	05/01/1999	05/01/1999

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit Fuel

Unit Identifier	Fuel Type	Fuel Indicator	Demonstration Method for GCV	Demonstration Method for Daily Sulfur	Ozone Season Indicator	Begin Date	End Date
2	C	P				01/01/1995	
	PNG	S				01/01/1995	

Fuel Type Codes:
PNG - Pipeline Natural Gas
C - Coal

Fuel Indicator Codes:
S - Secondary
P - Primary

Unit Controls

Unit Identifier	Parameter	Control Equipment	Original Ind	Seasonal Ind	Installation Date	Optimization Date	Retirement Date
2	PART	ESP	Y				
	NOX	LNC3			12/12/1994	01/30/1997	
	SO2	WLS			11/11/1995		

Control Equipment Descriptions:
WLS - Wet Limestone
LNC3 - Low NOx Burner Technology w/ Closed-coupled/Separated OFA
ESP - Electrostatic Precipitator

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring Method

Unit/Stack/Pipe Identifier	Parameter	Methodology	Substitute Data Approach	Bypass Approach Code	Begin Date/Hour	End Date/Hour
2	CO2	CEM	SPTS		01/01/1995 00	
	HI	CEM	SPTS		01/01/1995 00	
	NOX	NOXR			05/01/2002 00	
	NOXR	CEM	SPTS		01/01/1995 00	
	OP	EXP			01/01/1995 00	
	SO2	CEM	SPTS		01/01/1995 00	

Parameter Codes:
SO2 - SO2 Hourly Mass Rate (lb/hr)
OP - Opacity
NOXR - NOx Emission Rate (lb/mmBtu)
NOX - NOx Hourly Mass Rate (lb/hr)
HI - Heat Input Rate (mmBtu/hr)
CO2 - CO2 Hourly Mass Rate (ton/hr)

Methodology Codes:
NOXR - NOx Mass Calculated from NOx Emission Rate
EXP - Exempt
CEM - Continuous Emission Monitor

Substitute Data Codes:
SPTS - Standard Part 75 for Missing Data

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

Monitoring Plan Printout Report

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Monitoring System / Analytical Components

Unit/Stack /Pipe Identifier	System					Component								
	ID	Type	Des	Begin Date/Hour	End Date/Hour	ID	Type	SAM	BAS	Manufacturer	Model or Version	Serial Number	Begin Date/Hour	End Date/Hour
2	M51	FLOW	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER. 1.0		01/01/1995 00	06/30/2002 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						F61	FLOW	U	W	USI	150	611	01/01/1995 00	
	M52	SO2	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER. 1.0		01/01/1995 00	06/30/2002 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						P02	PRB	DIL		M&C		02	01/01/1995 00	
						S61	SO2	DOU	W	API	100E	059	01/01/1995 00	
	M55	NOX	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER. 1.0		01/01/1995 00	06/30/2002 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						C61	CO2	DOU	W	CALIFORNIA ANALYTICAL	ZRH	A4B1693T	01/01/1995 00	
						N61	NOX	DOU	W	API	200E	533	01/01/1995 00	04/11/2011 09
						N62	NOX	DOU	W	API	200E	655	04/11/2011 10	
						P02	PRB	DIL		M&C		02	01/01/1995 00	
	M59	CO2	P	01/01/1995 00		120	DAHS			MARSIII (PENELEC/ESC)	VER. 1.0		01/01/1995 00	06/30/2002 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	
						C61	CO2	DOU	W	CALIFORNIA ANALYTICAL	ZRH	A4B1693T	01/01/1995 00	
						P02	PRB	DIL		M&C		02	01/01/1995 00	
	M61	SO2	P	01/01/1995 00	12/31/2003 23	120	DAHS			MARSIII (PENELEC/ESC)	VER. 1.0		01/01/1995 00	06/30/2002 23
						801	DAHS			ESC	STACKVISION		04/01/2002 00	12/31/2003 23
						S61	SO2	DOU	W	API	100E	059	01/01/1995 00	12/31/2003 23

System Types Descriptions:

FLOW - Stack Flow
SO2 - SO2 Concentration
NOX - NOx Emission Rate
CO2 - CO2 Concentration

System Designations Descriptions:

P - Primary

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

Sample Acquisition Method (SAM):
U - Ultrasonic
DOU - Dilution Out-of-Stack
DIL - Dilution

Component Types Descriptions:
DAHS - Data Acquisition and Handling System
FLOW - Stack Flow Analyzer
PRB - Probe
SO2 - SO2 Concentration
CO2 - CO2 Concentration
NOX - NOx Concentration

Analyzer Range Data

Unit/Stack/Pipe Identifier	Component Type	Component ID	Range Code	Dual Range Indicator	Begin Date/Hour	End Date/Hour
2	CO2	C61	High Range		01/01/1995 00	
	NOX	N61	High Range		01/01/1995 00	04/11/2011 09
	NOX	N62	High Range		04/11/2011 10	
	SO2	S61	Low Range		01/01/1995 00	04/26/2011 09
	SO2	S61	Auto Ranging	Y	04/26/2011 10	

Component Types Descriptions:
CO2 - CO2 Concentration
NOX - NOx Concentration
SO2 - SO2 Concentration

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Emissions Formulas

Unit/Stack/Pipe Identifier	Parameter	Formula ID	Formula Code	Formula	Begin Date/Hour	End Date/Hour
2	NOXR	M53	F-6	E_h=0.0000001194*S#(N61-M55)*1800*(100/S#(C61-M55))	01/01/1995 00	
	HI	M62	F-15	HI=S#(F61-M51)*S#(C61-M59)/180000	01/01/1995 00	
	NOX	M70	F-24A	MNOX = F#(M53) * F#(M62)	07/01/1998 00	
	SO2	M95	F-1	E_h=0.000000166*S#(S61-M61)*S#(F61-M51)	01/01/1995 00	06/30/2007 23
	CO2	M97	F-11	E_h=0.00000057*S#(C61-M59)*S#(F61-M51)	01/01/1995 00	
	SO2	M99	F-1	E_h=0.000000166*S#(S61-M52)*S#(F61-M51)	01/01/1995 00	

Parameter Codes Descriptions:

NOXR - NOx Emission Rate (lb/mmBtu)

HI - Heat Input Rate (mmBtu/hr)

NOX - NOx Hourly Mass Rate (lb/hr)

SO2 - SO2 Hourly Mass Rate (lb/hr)

CO2 - CO2 Hourly Mass Rate (ton/hr)

Formula Codes Descriptions:

F-6 - NOXR/SO2R (from NOX or SO2 wet, CO2 wet, Fc)

F-24A - NOX (from NOX rate, HI)

F-15 - HI (from wet CO2, flow, Fc)

F-11 - CO2 (from CO2 wet, flow)

F-1 - SO2 (from SO2 wet, flow)

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Span Values

Unit/Stack /Pipe Identifier	Comp Type	Scale	Method	MPC/ MPF	MEC	Span Value	Full-Scale Range	Units of Measure	Scale Transition Point	Def. High Range Value	Flow Full Range (SCFH)	Flow Span Value (SCFH)	Begin Date/Hour	End Date/Hour
2	CO2	H	TB	14.0		20.000	25.000	PCT					10/01/1996 00	
	FLOW		F	172416000		3592.000	3592.000	KSCFM			215520000	215520000	04/01/1996 00	
	NOX	H	TB	800.0		1000.000	1250.000	PPM					11/12/1995 00	06/30/2000 23
	NOX	H	TB	480.0		600.000	600.000	PPM					07/01/2000 00	10/13/2003 10
	NOX	H	HD	480.0		500.000	500.000	PPM					10/13/2003 11	
	SO2	H	F	1599.0	159.0			PPM		3198			11/16/1995 00	10/13/2003 10
	SO2	H	F	1599.0	159.0			PPM		3198			10/13/2003 11	12/31/2003 00
	SO2	H	F	1599.0	159.0			PPM		3198			01/01/2004 00	03/31/2004 23
	SO2	H	F	1599.0	159.0			PPM		3198			04/01/2004 00	04/26/2011 09
	SO2	H	HD	1599.0	159.0	2000.000	2000.000	PPM	180.0				04/26/2011 10	
	SO2	L	F		159.0	210.000	250.000	PPM					11/12/1995 00	10/13/2003 10
	SO2	L	F		159.0	180.000	180.000	PPM	180.0				10/13/2003 11	

Component Types Descriptions:
CO2 - CO2 Concentration
FLOW - Stack Flow Analyzer
NOX - NOx Concentration
SO2 - SO2 Concentration

Span Method Codes Descriptions:
TB - Table Defaults from Part 75
HD - Historical Data
F - Formula

Units of Measure Descriptions:
PPM - Parts per Million
PCT - Percentage
KSCFM - Thousand Standard Cubic Feet of Stack Flow / Minute

Unit/Stack/Pipe Load or Operating Level Information

Unit/Stack/Pipe Identifier	Maximum Hourly Load	Units of Measure	Upper Bound of Range of Operation	Lower Bound of Range of Operation	Designated Normal Op. Level	Second Most Frequently Used Op. Level	Second Normal Indicator	Load Analysis Date	Begin Date/Hour	End Date/Hour
2	936	MW	900	500	High	Low	No	01/28/2000	01/01/1995 00	12/31/2000 23
	936	MW	936	530	High	Low	No	01/01/2001	01/01/2001 00	

Units of Measure Descriptions: MW - Megawatt

Facility Name: Conemaugh

Facility ID (ORISPL): 3118

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Monitoring Defaults

Unit/Stack/Pipe Identifier	Parameter	Value	Units of Measure	Purpose Code	Fuel Type	Operating Condition	Source of Value	Begin Date/Hour	End Date/Hour
2	CO2N	5.0000	PCT	DC	NFS	A	DEF	01/01/2000 00	
	NORX	1.6500	LBMMBTU	MD	NFS	A	DEF	11/12/1995 00	06/30/2000 23
	NORX	0.9000	LBMMBTU	MD	NFS	A	DEF	07/01/2000 00	10/13/2003 10
	NORX	0.9000	LBMMBTU	MD	NFS	A	DEF	10/13/2003 11	

Parameter Codes Descriptions: NORX - Maximum NOx Emission Rate (lb/mmBtu)
CO2N - CO2 Minimum Concentration (pct)

Units of Measure Descriptions: PCT - Percentage
LBMMBTU - Pounds / mmBtu

Purpose Codes Descriptions: MD - Missing Data (or Unmonitored Bypass Stack or Emergency Fuel) Default
DC - Diluent Cap

Fuel Type Codes Descriptions: NFS - Non-Fuel Specific

Operating Conditions Descriptions: A - Any Hour

Source Codes Descriptions: DEF - Default Value from Part 75

Certification Tests

ECMPS Client Tool

Version 1.0 2011 Q1

QA/Cert Test Detail Report

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Facility Name: Conemaugh

Facility Details

Facility ID (ORISPL): 3118
State: PA
County: Indiana

Unit/Stack/Pipe ID: 2

7-Day Calibration

Component ID: N62
Test Number: 2
Span Scale Level: High
Evaluation Status: No Errors

Component Type: NOX
Reason for Test: RECERT
Span Value: 500.000

Test Completion: 04/17/2011 02:59
Reported Test Results: PASSED
EPA Calculated Result: PASSED
Submission Status: Not submitted
Submission Date/Time:

Injection Date/Hour	Gas Level	Reference Value	Reference Value % of Span	Measured Value	Reported		Recalculated	
					Results	APS	Results	APS
04/11/2011 12	ZERO	0.000	0	0.100	0.00		0.00	
04/11/2011 12	MID	267.100	53.4	267.800	0.10		0.10	
04/12/2011 02	ZERO	0.000	0	-0.500	0.10		0.10	
04/12/2011 02	MID	267.100	53.4	265.900	0.20		0.20	
04/13/2011 02	ZERO	0.000	0	-1.100	0.20		0.20	
04/13/2011 02	MID	267.100	53.4	265.300	0.40		0.40	
04/14/2011 02	ZERO	0.000	0	-0.900	0.20		0.20	
04/14/2011 02	MID	267.100	53.4	261.200	1.20		1.20	
04/15/2011 02	ZERO	0.000	0	-1.000	0.20		0.20	
04/15/2011 02	MID	267.100	53.4	262.400	0.90		0.90	
04/16/2011 02	ZERO	0.000	0	-0.400	0.10		0.10	
04/16/2011 02	MID	267.100	53.4	267.700	0.10		0.10	
04/17/2011 02	ZERO	0.000	0	-0.500	0.10		0.10	
04/17/2011 02	MID	267.100	53.4	265.200	0.40		0.40	

Additional Information:
No comment.

*Performance Spec: CE <= 2.5% of Span Alternate Performance Spec: |R-A| <= 5 ppm (Appendix A &3.1)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 1
Cycle Time Test

Component ID: S01
Test Number: 1
Span Scale Level: High
Total Cycle Time: 3
Component Type: SO2
Reason for Test: INITIAL
Span Value: 2000.000
Calculated Total Cycle Time: 3
Test Completion: 04/27/2011 13:36
Reported Test Results: PASSED
EPA Calculated Result: PASSED
Evaluation Status: No Errors
Submission Status: Not submitted
Submission Date/Time:

Date	Start Time	End Time	Gas Level	Reference Gas Value	Stable Values		Injection Cycle Time	
					Starting	Ending	Results	Recalculated
2011/04/27	13:23	13:26	ZERO	0.000	43.400	0.000	3	3
2011/04/27	13:33	13:36	HIGH	1780.000	56.500	1768.800	3	3

Additional Information:
No comment.

*Performance Spec: Cycle Time <= 15 minutes (Appendix A &3.5)

Unit/Stack/Pipe ID: 2
Cycle Time Test

Component ID: S61
Test Number: 1
Span Scale Level: High
Total Cycle Time: 3
Component Type: SO2
Reason for Test: INITIAL
Span Value: 2000.000
Calculated Total Cycle Time: 3
Test Completion: 04/27/2011 10:47
Reported Test Results: PASSED
EPA Calculated Result: PASSED
Evaluation Status: No Errors
Submission Status: Not submitted
Submission Date/Time:

Date	Start Time	End Time	Gas Level	Reference Gas Value	Stable Values		Injection Cycle Time	
					Starting	Ending	Results	Recalculated
2011/04/27	10:24	10:27	HIGH	1800.000	86.300	1772.900	3	3
2011/04/27	10:45	10:47	ZERO	0.000	66.000	1.500	2	2

Additional Information:
No comment.

*Performance Spec: Cycle Time <= 15 minutes (Appendix A &3.5)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2
Cycle Time Test

Component ID:	N61	Component Type:	NOX	Test Completion:	04/11/2011 12:52
Test Number:	N61-12	Reason for Test:	RECERT	Reported Test Results:	PASSED
Span Scale Level:	High	Span Value:	500.000	EPA Calculated Result:	PASSED
Total Cycle Time:	2	Calculated Total Cycle Time:	2		

Evaluation Status: No Errors

Submission Status: Not submitted
Submission Date/Time:

Date	Start Time	End Time	Gas Level	Reference Gas Value	Stable Values		Injection Cycle Time	
					Starting	Ending	Results	Recalculated
2011/04/11	12:41	12:43	ZERO	0.000	244.900	0.600	2	2
2011/04/11	12:50	12:52	HIGH	452.400	264.400	451.100	2	2

Additional Information:
No comment.

*Performance Spec: Cycle Time <= 15 minutes (Appendix A &3.5)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 1

Linearity Check

Component ID:	S01	Component Type:	SO2	Test Completion:	04/29/2011 10:17
Test Number:	13-Q2-2011-1	Reason for Test:	QA	Reported Test Results:	PASSED
Span Scale Level:	High	Span Value:	2000.000	EPA Calculated Result:	PASSED
Evaluation Status:	No Errors			Submission Status:	Not submitted
Grace period Tested?				Submission Date/Time:	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	1780.000	1780.000	1122.000	1122.000	510.800	510.800
Mass CEM Value	1788.833	1788.833	1134.967	1134.967	520.933	520.933
Alt. Perf. Indicator						
Results	0.5	0.5	1.2	1.2	2.0	2.0

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/29/2011 09:35	LOW	518.700	510.800	25.5%
04/29/2011 10:17	LOW	523.300	510.800	25.5%
04/29/2011 09:56	LOW	520.800	510.800	25.5%
04/29/2011 09:21	HIGH	1785.300	1780.000	89.0%
04/29/2011 09:42	HIGH	1792.200	1780.000	89.0%
04/29/2011 10:03	HIGH	1789.000	1780.000	89.0%
04/29/2011 09:49	MID	1135.500	1122.000	56.1%
04/29/2011 10:10	MID	1135.400	1122.000	56.1%
04/29/2011 09:28	MID	1134.000	1122.000	56.1%

Additional Information:

No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2
Linearity Check

Component ID:	N61	Component Type:	NOX	Test Completion:	04/06/2011 12:26
Test Number:	N61-Q2-2011-1	Reason for Test:	QA	Reported Test Results:	PASSED
Span Scale Level:	High	Span Value:	500.000	EPA Calculated Result:	PASSED
Evaluation Status:	No Errors			Submission Status:	Not submitted
Grace period Tested?				Submission Date/Time:	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	452.400	452.400	267.100	267.100	124.700	124.700
Mass CEM Value	450.433	450.433	265.967	265.967	119.733	119.733
Alt. Perf. Indicator						
Results	0.4	0.4	0.4	0.4	4.0	4.0

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/06/2011 11:36	LOW	121.100	124.700	24.9%
04/06/2011 12:01	LOW	118.900	124.700	24.9%
04/06/2011 12:26	LOW	119.200	124.700	24.9%
04/06/2011 12:19	MID	265.000	267.100	53.4%
04/06/2011 11:29	MID	267.000	267.100	53.4%
04/06/2011 11:54	MID	265.900	267.100	53.4%
04/06/2011 12:12	HIGH	444.000	452.400	90.5%
04/06/2011 11:47	HIGH	445.800	452.400	90.5%
04/06/2011 11:22	HIGH	461.500	452.400	90.5%

Additional Information:
No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2

Linearity Check

Component ID:	S61	Component Type:	SO2	Test Completion:	04/06/2011 12:26
Test Number:	S61-Q2-2011-1	Reason for Test:	QA	Reported Test Results:	PASSED
Span Scale Level:	Low	Span Value:	180.000	EPA Calculated Result:	PASSED
Evaluation Status:	No Errors			Submission Status:	Not submitted
Grace period Tested?				Submission Date/Time:	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	163.800	163.800	98.500	98.500	43.600	43.600
Mass CEM Value	161.600	161.600	97.467	97.467	42.533	42.533
Alt. Perf. Indicator						
Results	1.3	1.3	1.0	1.0	2.4	2.4

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/06/2011 12:12	HIGH	161.800	163.800	91.0%
04/06/2011 11:47	HIGH	161.400	163.800	91.0%
04/06/2011 11:22	HIGH	161.600	163.800	91.0%
04/06/2011 12:19	MID	97.200	98.500	54.7%
04/06/2011 11:29	MID	97.600	98.500	54.7%
04/06/2011 11:54	MID	97.600	98.500	54.7%
04/06/2011 11:36	LOW	42.900	43.600	24.2%
04/06/2011 12:01	LOW	42.400	43.600	24.2%
04/06/2011 12:26	LOW	42.300	43.600	24.2%

Additional Information:

No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2

Linearity Check

Component ID:	S61	Component Type:	SO2	Test Completion:	04/11/2011 17:37
Test Number:	S61-Q2-2011-2	Reason for Test:	QA	Reported Test Results:	PASSED
Span Scale Level:	Low	Span Value:	180.000	EPA Calculated Result:	PASSED
Evaluation Status:	No Errors			Submission Status:	Not submitted
Grace period Tested?				Submission Date/Time:	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	163.800	163.800	98.500	98.500	43.600	43.600
Mass CEM Value	163.400	163.400	98.633	98.633	44.233	44.233
Alt. Perf. Indicator						
Results	0.2	0.2	0.1	0.1	1.5	1.5

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/11/2011 17:30	MID	98.100	98.500	54.7%
04/11/2011 17:05	MID	98.400	98.500	54.7%
04/11/2011 16:40	MID	99.400	98.500	54.7%
04/11/2011 17:23	HIGH	161.500	163.800	91.0%
04/11/2011 16:58	HIGH	164.300	163.800	91.0%
04/11/2011 16:33	HIGH	164.400	163.800	91.0%
04/11/2011 16:47	LOW	44.800	43.600	24.2%
04/11/2011 17:37	LOW	44.200	43.600	24.2%
04/11/2011 17:12	LOW	43.700	43.600	24.2%

Additional Information:

No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2

Linearity Check

Component ID:	S61	**Component Type:**	SO2	**Test Completion:**	04/27/2011 12:16
Test Number:	18-Q2-2011-1	**Reason for Test:**	QA	**Reported Test Results:**	PASSED
Span Scale Level:	High	**Span Value:**	2000.000	**EPA Calculated Result:**	PASSED
Evaluation Status:	No Errors			**Submission Status:**	Not submitted
Grace period Tested?				**Submission Date/Time:**	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	1800.000	1800.000	1123.000	1123.000	503.100	503.100
Mass CEM Value	1796.900	1796.900	1124.300	1124.300	505.100	505.100
Alt. Perf. Indicator						
Results	0.2	0.2	0.1	0.1	0.4	0.4

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/27/2011 11:19	HIGH	1812.800	1800.000	90.0%
04/27/2011 12:02	HIGH	1791.500	1800.000	90.0%
04/27/2011 11:40	HIGH	1786.400	1800.000	90.0%
04/27/2011 11:26	MID	1123.600	1123.000	56.2%
04/27/2011 11:47	MID	1126.800	1123.000	56.2%
04/27/2011 12:09	MID	1122.500	1123.000	56.2%
04/27/2011 11:33	LOW	505.200	503.100	25.2%
04/27/2011 11:54	LOW	503.500	503.100	25.2%
04/27/2011 12:16	LOW	506.600	503.100	25.2%

Additional Information:

No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2

Linearity Check

Component ID:	N61	Component Type:	NOX	Test Completion:	04/11/2011 17:37
Test Number:	N61-Q2-2011-2	Reason for Test:	QA	Reported Test Results:	PASSED
Span Scale Level:	High	Span Value:	500.000	EPA Calculated Result:	PASSED
Evaluation Status:	No Errors			Submission Status:	Not submitted
Grace period Tested?				Submission Date/Time:	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	452.400	452.400	267.100	267.100	124.700	124.700
Mass CEM Value	456.867	456.867	268.467	268.467	125.300	125.300
Alt. Perf. Indicator						
Results	1.0	1.0	0.5	0.5	0.5	0.5

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/11/2011 17:23	HIGH	447.700	452.400	90.5%
04/11/2011 16:33	HIGH	461.100	452.400	90.5%
04/11/2011 16:58	HIGH	461.800	452.400	90.5%
04/11/2011 16:47	LOW	127.700	124.700	24.9%
04/11/2011 17:37	LOW	123.200	124.700	24.9%
04/11/2011 17:12	LOW	125.000	124.700	24.9%
04/11/2011 17:30	MID	265.400	267.100	53.4%
04/11/2011 17:05	MID	266.600	267.100	53.4%
04/11/2011 16:40	MID	273.400	267.100	53.4%

Additional Information:

No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)

Facility Name: Conemaugh
Facility ID (ORISPL): 3118

Unit/Stack/Pipe ID: 2

Linearity Check

Component ID:	C61	**Component Type:**	CO2	**Test Completion:**	04/11/2011 17:37
Test Number:	C61-Q2-2011-2	**Reason for Test:**	QA	**Reported Test Results:**	PASSED
Span Scale Level:	High	**Span Value:**	20.000	**EPA Calculated Result:**	PASSED
Evaluation Status:	No Errors			**Submission Status:**	Not submitted
Grace period Tested?				**Submission Date/Time:**	

Summary Statistics:

	High		Mid		Low	
	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
Reference Value	18.000	18.000	10.900	10.900	5.100	5.100
Mass CEM Value	18.133	18.133	11.033	11.033	5.100	5.100
Alt. Perf. Indicator						
Results	0.7	0.7	1.2	1.2	0.0	0.0

Injection Statistics:

Date	Gas Level	Measured Value	Reference Value	Reference Value as % of Span
04/11/2011 16:40	MID	11.300	10.900	54.5%
04/11/2011 17:05	MID	10.900	10.900	54.5%
04/11/2011 17:30	MID	10.900	10.900	54.5%
04/11/2011 16:58	HIGH	18.400	18.000	90.0%
04/11/2011 17:23	HIGH	17.700	18.000	90.0%
04/11/2011 16:33	HIGH	18.300	18.000	90.0%
04/11/2011 17:37	LOW	5.000	5.100	25.5%
04/11/2011 17:12	LOW	5.100	5.100	25.5%
04/11/2011 16:47	LOW	5.200	5.100	25.5%

Additional Information:

No comment.

*Performance Spec: LE <= 5.0% of Reference Value; Alternate Performance Spec: |R-A| <= 5ppm (Appendix A &3.2)