

## ECMPS Monitoring Plan XML Data File

### Facility Details

Facility ID (ORISPL): 3  
 XSD Version: 1.1  
 Unit Identifier: 5

### Monitoring Location Attributes

Unit/Stack/Pipe Identifier	Duct Indicator	Bypass Indicator	Ground Elevation (ft)	Stack Height (ft)	Material Code	Shape Code	Cross Area Flow (sq. ft)	Cross Area Stack Exit (sq. ft)	Begin Date	End Date
5	1	0	25	600	OTHER	RECT	887	491	1995-01-01	2009-12-31

### Units

Unit Identifier	Non Load Based Indicator
5	0

### Unit Capacity Data

Unit Identifier	Max Hourly Heat Input Capacity (mmBtu/hr)	Begin Date	End Date
5	11057	2002-10-31	

### Unit Fuel

Unit Identifier	Fuel Type	Fuel Indicator	Demonstration Method for GCV	Demonstration Method for Daily Sulfur	Ozone Season Indicator	Begin Date	End Date
5	C	P	0			1995-01-01	
5	DSL	S	0			1995-01-01	
5	PNG	S	0			1995-01-01	

### Unit Controls

Unit Identifier	Parameter	Control Equipment	Original Indicator	Seasonal Indicator	Install Date	Optimization Date	Retirement Date
5	PART	ESP	1	0			
5	NOX	SCR	0	0	2008-05-01		
5	NOX	LNC2	0	0	1998-05-28		
5	SO2	WLS	0	0	2010-01-21		

### Monitoring Method

Unit/Stack/Pipe Identifier	Parameter	Methodology	Substitute Data Approach	Bypass Approach Code	Begin Date	Begin Hour	End Date	End Hour
5	HI	CALC			1995-01-01	0	2008-03-28	23
5	CO2	CEM	SPTS		2008-03-29	0	2009-12-31	23
5	HI	CEM	SPTS		2008-03-29	0	2009-12-31	23
5	NOX	NOXR			2008-03-29	0	2009-12-31	23
5	NOXR	CEM	SPTS		2008-03-29	0	2009-12-31	23
5	OP	COM			2008-03-29	0	2009-12-31	23
5	SO2	CEM	SPTS		2008-03-29	0	2009-12-31	23
5	HI	CALC			2010-01-01	0	2011-03-31	23
5	HI	CALC			2011-04-01	0		

### Monitoring Systems

Unit/Stack/Pipe Identifier	System ID	System Type	Des	Fuel Code	Begin Date	Begin Hour	End Date	End Hour
5	AD1	SO2	P	NFS	2008-03-29	0	2009-12-31	23
5	AD2	NOX	P	NFS	2008-03-29	0	2009-12-31	23
5	AD3	CO2	P	NFS	2008-03-29	0	2009-12-31	23
5	AD4	FLOW	P	NFS	2008-03-29	0	2009-12-31	23
5	AD5	OP	P	NFS	2008-03-29	0	2009-12-31	23

### System Components

Unit/Stack/Pipe Identifier	System ID	Fuel Code	Component ID	Begin Date	Begin Hour	End Date	End Hour
5	AD1	NFS	SO2	2008-03-29	0	2009-12-31	23
5	AD1	NFS	XX4	2008-03-29	0	2009-12-31	23
5	AD1	NFS	PRB	2008-03-29	0	2009-12-31	23
5	AD2	NFS	CO2	2008-03-29	0	2009-12-31	23

5	AD2	NFS	NOX	2008-03-29	0	2009-12-31	23
5	AD2	NFS	XX4	2008-03-29	0	2009-12-31	23
5	AD2	NFS	PRB	2008-03-29	0	2009-12-31	23
5	AD3	NFS	CO2	2008-03-29	0	2009-12-31	23
5	AD3	NFS	XX4	2008-03-29	0	2009-12-31	23
5	AD3	NFS	PRB	2008-03-29	0	2009-12-31	23
5	AD4	NFS	FLO	2008-03-29	0	2009-12-31	23
5	AD4	NFS	XX4	2008-03-29	0	2009-12-31	23
5	AD5	NFS	COM	2008-03-29	0	2009-12-31	23
5	AD5	NFS	XX4	2008-03-29	0	2009-12-31	23

Component Data

Unit/Stack/Pipe Identifier	Component Type	Component ID	SAM	BAS	Manufacturer	Model or Version	Serial Number
5	PRB	PRB			M & C	SP2006-H/DIL	14531/8200595
5	CO2	CO2	DIN	W	SIEMENS	ULTRAMAT 6E	FR.N1-T7-0056
5	OP	COM	ISC		MONITOR LAB	LIGHT HAWK 560	5601634
5	FLOW	FLO	U	W	UNITED SCIENCES	ULTRAFLOW 150	1500852
5	NOX	NOX	DIN	W	TECO	42I	0528012680
5	SO2	SO2	DIN	W	TECO	43I	0525912424
5	DAHS	XX4			APCO	CEMS	104

Analyzer Range Data

Unit/Stack/Pipe Identifier	Component Type	Component ID	Range Code	Dual Range Indicator	Begin Date	Begin Hour	End Date	End Hour
5	CO2	CO2	H	0	2008-03-29	0	2009-12-31	23
5	NOX	NOX	A	1	2008-03-29	0	2009-12-31	23
5	SO2	SO2	H	0	2008-03-29	0	2009-12-31	23

Emissions Formulas

Unit/Stack/Pipe Identifier	Parameter	Formula ID	Formula Code	Formula	Begin Date	Begin Hour	End Date	End Hour
5	HI	AXH	F-21C	F# (AZU) + F# (AZY)	1993-08-01	0	2008-03-31	23
5	SO2	AZ1	F-1	1.660 * 10** <sup>-7</sup> * S#(SO2-AD1) * S#(FLO-AD4)	2008-03-29	0	2009-12-31	23
5	NOXR	AZ2	F-6	1.194 * 10** <sup>-7</sup> * S#(NOX-AD2) * 1800 * 100/S#(CO2-AD2)	2008-03-29	0	2009-12-31	23
5	CO2	AZ3	F-11	5.7 * 10** <sup>-7</sup> * S#(CO2-AD3) * S#(FLO-AD4)	2008-03-29	0	2009-12-31	23
5	HI	AZ4	F-15	S#(FLO-AD4) * 1/1800 * S#(CO2-AD3)/100	2008-03-29	0	2009-12-31	23
5	NOX	AZ5	F-24A	F#(AZ2) * F#(AZ4) * T	2008-03-29	0	2009-12-31	23
5	HI	AZZ	F-21C		2010-01-01	0		

Span Values

Unit/Stack/Pipe Identifier	Comp Type	Scale	Method	MPC	MPF	MEC	Span Value (ppm)	Full-Scale Range	Units of Measure	Scale Transition Point	Def. High Range Value	Flow Full Range (SCFH)	Flow Span Value (SCFH)	Begin Date	Begin Hour	End Date	End Hour
5	NOX	L	OL			80	80	80	PPM	80				2008-03-29	0	2009-12-31	23
5	SO2	H	F	1122			1500	1500	PPM					2008-03-29	0	2009-12-31	23
5	NOX	H	HD	390		80	500	500	PPM	80				2008-03-29	0	2009-12-31	23
5	CO2	H	TB	14			20	20	PCT					2008-03-29	0	2009-12-31	23
5	FLOW		TR		192000000		3200	3200	KSCFM			192000000	192000000	2008-03-29	0	2008-05-20	11
5	FLOW		TR		162000000		2700	2700	KSCFM			162000000	162000000	2008-05-20	12	2009-12-31	23

Rectangular Duct WAF

Unit/Stack/Pipe	WAF Determin.	WAF Effective	WAF Effective	WAF Method	WAF	Number of Test	Number of T. Points	Number of Test	Number of T. Points	Duct Width	Duct Depth	WAF End	WAF End
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Identifier	Date	Date	Hour	Code	Value	Runs	WAF	Ports	Ref	(ft)	(ft)	Date	Hour
5	2008-04-30	2008-04-29	0	FT	.9867	3	24	6	24	21.5	41.3		

## 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	Begin Hour	End Date	End Hour
5	800	MW	777	450	H	M	0	1994-03-30	1995-01-01	0	2008-04-23	23
5	800	MW	773	520	H	L	0	2008-04-24	2008-04-24	0	2009-03-31	23
5	800	MW	774	466	H	M	0	2009-04-01	2009-04-01	0		

## Monitoring Defaults

Unit/Stack/Pipe Identifier	Parameter	Value	Units of Measure	Purpose Code	Fuel Type	Operating Condition	Source of Value	Group Identifier	Begin Date	Begin Hour	End Date	End Hour
5	CO2N	5	PCT	DC	NFS	A	DEF		2008-03-27	0	2009-12-31	23
5	NORX	1.58	LBMMBTU	MD	NFS	A	DEF		2008-03-29	0	2009-12-31	23