Interoffice Memo

Ohio | Environmental Protection Agency

To: DAPC Managers; EER Contacts

From: Todd Brown, CEMS/COMS Coordinator

Date: September 21, 2012

Re: 2nd Quarter, 2012, EER Summary Report

Attached is the second quarter, 2012, excess emission report ("EER") data summary report. Data used to compile this report were taken from all EER data received as of the morning of September 7, 2012. Third quarter 2012 EER data will be expected no later than November 15, 2012, and data received after this date may show as late/not received in the next quarterly EER summary report.

It has come to my attention that there may be EER reports that are being received at the District or Local level that are not included in the EER database. If you have any EER reports that are being received for which there is no corresponding database record, please let me know. After verifying the status of the CEMS, I will adjust the database accordingly.

Likewise, if there are emissions units/facilities that have been permanently shut down, or that have had CEMS requirements removed from their permits, let me know and I will change the database to account for these situations.

The Information Technology Services project that is moving EER data entry to a centralized location should be "on-line" for third quarter's EER data entry. All user information that was provided to me with last quarter's EER data is being used to set up Share Point accounts, and access to the centralized program will be through these accounts. Since Share Point accounts are set up for each individual user, please do not share account information with others, or log on and let others use your account. If user accounts need to be added or deleted, please let me know and I will facilitate the changes.

I have not seen the new data entry program yet, so cannot provide too many details. As details become available regarding how to use Share Point, or about the data entry program itself, I will send out an update. We should have everything up and running, and be able to provide instruction, by the end of October. As this will be the first use of the new data entry program, you should probably try to log-in and use it early. Issues with access to the program, or with the program itself, should be called to my attention so I can work to get them resolved.

Please review the data included in this summary for facilities within your jurisdiction. Corrections or adjustments should be sent via hard copy to my attention. If you have questions regarding this report, or suggestions that would make the report more useful or easier to read, please call me at (614) 644-4839, or email me at <<todd.brown@epa.state.oh.us>>.

Ohio EPA Division of Air Pollution Control
Executive Summary as of Quarter 2, 2012

					REPORTING INFORMATION		
Agencies	Facilities	Sources	Monitors	Unique Combinations	On Time	Late or Not Received	Percent On Time
CDO	12	18	51	54	54	0	100.00
NEDO	19	19	58	63	63	0	100.00
NWDO	32	37	106	135	135	0	100.00
TOLEDO	8	50	56	117	117	0	100.00
SEDO	19	40	98	147	147	0	100.00
PORTS	5	11	40	40	40	0	100.00
RAPCA	8	16	47	57	57	0	100.00
CLEVELAND	8	16	14	21	21	0	100.00
HCDES	20	36	100	108	108	0	100.00
CANTON	4	18	23	35	35	0	100.00
AKRON	4	8	9	13	13	0	100.00
SWDO	1	2	1	2	2	0	100.00
TOTAL	**140**	**271**	**603**	**792**	**792**	**0**	**100.00%**

AVERAGE DO	AVERAGE LAA
100.00%	**100.00%**
AVERAGE DO & LAA	
100.00%	

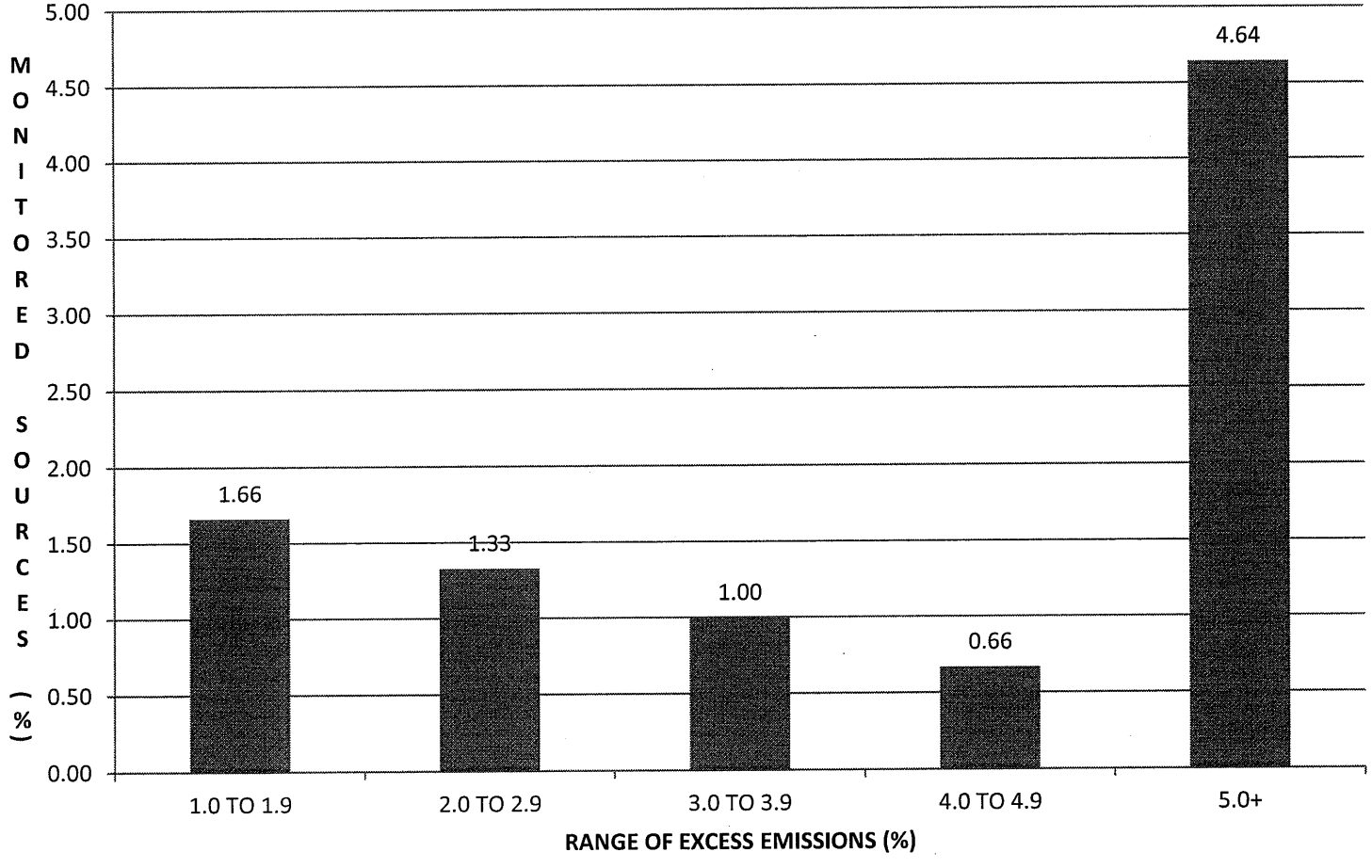
PERCENT OF MONITORED EMISSIONS UNITS EXPERIENCING NON-EXEMPT EXCESS EMISSIONS

COUNT		PERCENT
10	1.0 TO 1.9 PERCENT NON-EXEMPT EXCESS EMISSIONS >>>>>>>	1.66
8	2.0 TO 2.9 PERCENT NON-EXEMPT EXCESS EMISSIONS >>>>>>>	1.33
6	3.0 TO 3.9 PERCENT NON-EXEMPT EXCESS EMISSIONS >>>>>>>	1.00
4	4.0 TO 4.9 PERCENT NON-EXEMPT EXCESS EMISSIONS >>>>>>>	0.66
28	5.0 PERCENT AND GREATER NON-EXEMPT EXCESS EMISSIONS>	4.64

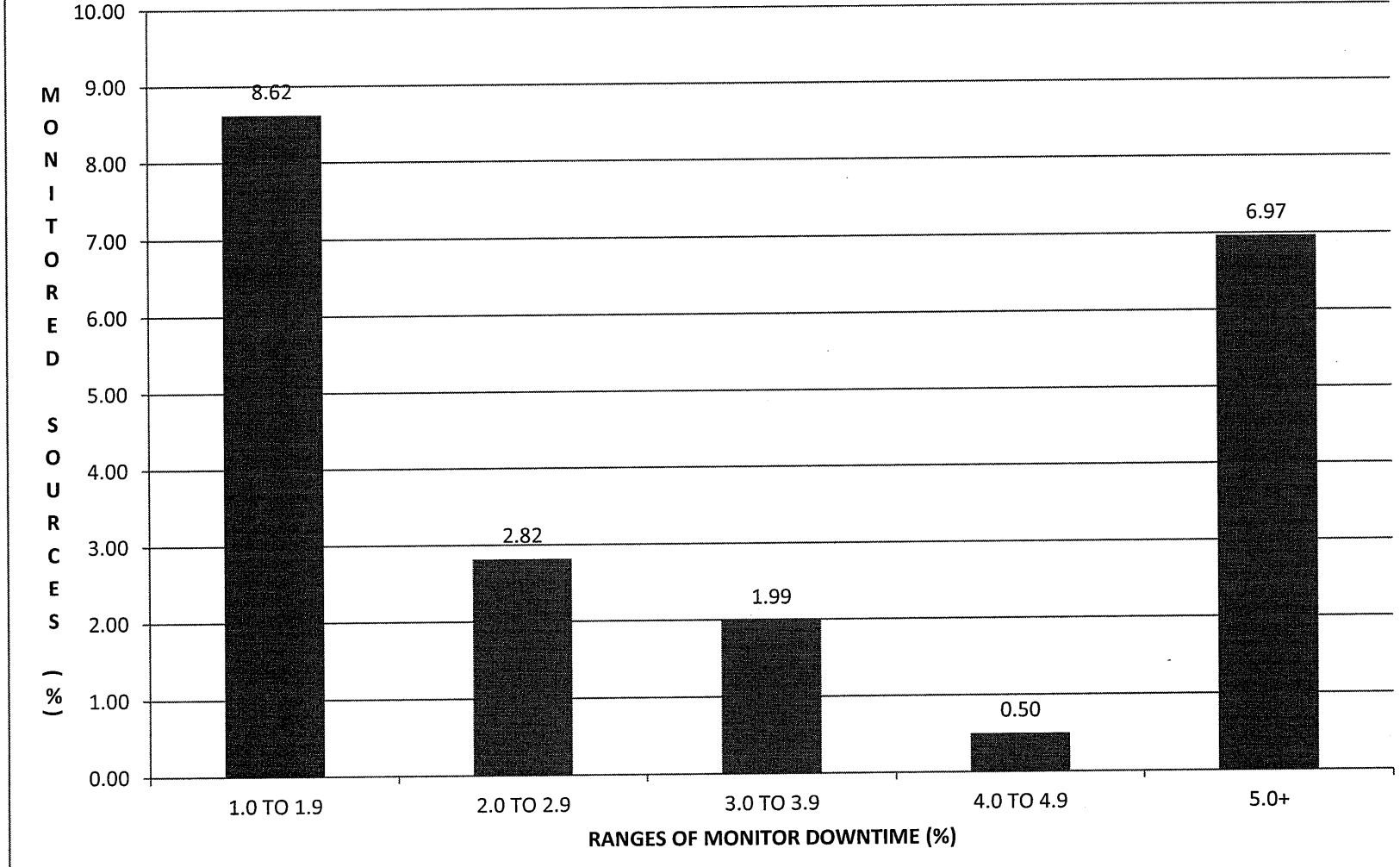
PERCENT OF MONITORED EMISSIONS UNITS EXPERIENCING MONITOR DOWNTIME

COUNT		PERCENT
52	1.0 TO 1.9 PERCENT MONITOR DOWNTIME >>>>>>>>>>>>>>>>>	8.62
17	2.0 TO 2.9 PERCENT MONITOR DOWNTIME >>>>>>>>>>>>>>>>>	2.82
12	3.0 TO 3.9 PERCENT MONITOR DOWNTIME >>>>>>>>>>>>>>>>>	1.99
3	4.0 TO 4.9 PERCENT MONITOR DOWNTIME >>>>>>>>>>>>>>>>>	0.50
42	5.0 PERCENT AND GREATER MONITOR DOWNTIME >>>>>>>>>>	6.97

STATEWIDE SUMMARY OF MONITORED SOURCES IN RELATION TO NONEXEMPT EXCESS EMISSIONS



STATEWIDE SUMMARY OF MONITORED SOURCES IN RELATION TO MONITOR DOWNTIME



OhioEPA

MISSING REPORT

Year: **Qrt:** **Total Missing: 0**

Friday, September 07, 2012

Premise	Source	Mntrid	Facility	Agency Name	Emissions unit	Qrt	Year

Missing: 0

Total Missing: 0

OhioEPA >5% Excess Emissions

Friday, September 07, 2012

Premise	Facility Name	Source	Monitor I.D.	Source Time w/CEMS	Nonexempt EE Minutes	%Excess Emissions
0372030241	FREMONT ENERGY CENTER - AMP	P002	N485	113280	7800	6.76%
0372030241	FREMONT ENERGY CENTER - AMP	P001	N482	108000	8049	7.35%
0387000377	TROY ENERGY CT#3 - Luckey	P003	N306	3840	240	6.25%
0387000377	TROY ENERGY CT#4 - Luckey	P004	N308	4140	360	8.70%
0387020374	OMEGA JV2 - BG	P001	N232	939	60	6.39%
0387020378	AMP - Ohio BG Generating Station	P002	N260	1060	90	8.49%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	P008	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	B103	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	B104	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	B105	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	B106	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	B107	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	B108	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	P007	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	P911	H040	128160	17280	13.19%
0641090010	SEVERSTAL (WHEELING PITTSBURGH STEEL)	P006	H040	128160	17280	13.19%
0682000057	ROLLING HILLS GENERATING	P001	C060	4560	720	15.79%
0682000057	ROLLING HILLS GENERATING	P001	N343	4560	480	10.53%
0682000057	ROLLING HILLS GENERATING	P002	C061	4260	720	16.90%
0682000057	ROLLING HILLS GENERATING	P002	N345	4260	540	12.68%
0682000057	ROLLING HILLS GENERATING	P003	C062	11760	1080	9.18%
0682000057	ROLLING HILLS GENERATING	P003	N347	11640	720	6.12%
0682000057	ROLLING HILLS GENERATING	P004	C063	10800	1080	10.00%
0682000057	ROLLING HILLS GENERATING	P004	N349	10680	900	8.33%
0682000057	ROLLING HILLS GENERATING	P005	C064	12060	1020	8.46%
0682000057	ROLLING HILLS GENERATING	P005	N351	12060	900	7.46%
0701000007	STUART - DAYTON POWER & LIGHT	B001	P280	2875	198	6.66%
1431394148	DEGS of ST. BERNARD, LLC	B045	C084	11968	900	7.52%

More than 5% Excess Emissions: 28

OhioEPA

> 5% CEMS Downtime

Friday, September 07, 2012

Premise	Facility Name	Source	Monitorid	Source Time	CEMS Downtime	% Time CEMS Down
0448020006	BAY SHORE ST. - TOLEDO EDISON CO	B002	S238	11159	600	5.38%
0616000000	CONESVILLE - AMERICAN ELECTRIC POWER	B004	P129	72594	72594	100.00%
0627000003	KYGER CREEK - Ohio Valley Electric	B001	P135	102732	102732	100.00%
0627000003	KYGER CREEK - Ohio Valley Electric	B002	P135	114756	114756	100.00%
0627000003	KYGER CREEK - Ohio Valley Electric	B003	P135	113064	113064	100.00%
0627000003	KYGER CREEK - Ohio Valley Electric	B004	P135	104340	104340	100.00%
0627000003	KYGER CREEK - Ohio Valley Electric	B005	P135	116946	116946	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B008	P050	119280	119280	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B013	P056	123240	123240	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B012	P054	126960	126960	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B011	P054	98280	98280	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B009	P052	128760	128760	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B007	P050	124020	124020	100.00%
0641160017	W H SAMMIS - OHIO EDISON COMPANY	B010	P052	131040	131040	100.00%
0660000247	DRESDEN ENERGY - Appalachian Power	P002	C119	76644	15900	20.75%
0660000247	DRESDEN ENERGY - Appalachian Power	P002	C120	76644	15900	20.75%
0660000247	DRESDEN ENERGY - Appalachian Power	P001	C117	77808	5520	7.09%
0660000247	DRESDEN ENERGY - Appalachian Power	P001	C118	77808	5520	7.09%
0660000247	DRESDEN ENERGY - Appalachian Power	P001	N487	77808	5640	7.25%
0660000247	DRESDEN ENERGY - Appalachian Power	P001	N488	77808	5640	7.25%
0660000247	DRESDEN ENERGY - Appalachian Power	P002	N490	76644	16860	22.00%
0660000247	DRESDEN ENERGY - Appalachian Power	P001	N489	77808	5640	7.25%
0660000247	DRESDEN ENERGY - Appalachian Power	P002	N491	76644	16860	22.00%
0660000247	DRESDEN ENERGY - Appalachian Power	P002	N492	76644	16860	22.00%
0671010028	GLATFELTER	P001	R002	114702	15567	13.57%
0701000007	STUART - DAYTON POWER & LIGHT	B003	S266	3369	1651	49.01%
0701000007	STUART - DAYTON POWER & LIGHT	B004	P283	1601	120	7.50%
0701000007	STUART - DAYTON POWER & LIGHT	B003	P282	3369	1271	37.73%
0701000007	STUART - DAYTON POWER & LIGHT	B003	D004	14333	14333	100.00%
0701000007	STUART - DAYTON POWER & LIGHT	B001	S284	79548	33282	41.84%
0701000007	STUART - DAYTON POWER & LIGHT	B001	S264	2975	209	7.03%
0701000060	KILLEN - DAYTON POWER & LIGHT	B001	P000	83725	14736	17.60%
0701000060	KILLEN - DAYTON POWER & LIGHT	B001	D001	83725	29220	34.90%

Premise	Facility Name	Source	Monitorid	Source Time	CEMS Downtime	% Time CEMS Down
0773000182	HAVERHILL NORTH COKE PLANT	P901	S239	131040	12720	9.71%
1318003059	MEDICAL CENTER COMPANY	B022	N479	33	33	100.00%
1318003059	MEDICAL CENTER COMPANY	B014	N388	50,012	3060	6.12%
1318003059	MEDICAL CENTER COMPANY	B022	N478	33.	33	100.00%
1413090154	ZIMMER - CINERGY CORPORATION	B006	N366	4998	300	6.00%
1413090154	ZIMMER - CINERGY CORPORATION	B006	S366	4998	300	6.00%
1576002006	MARATHON PETROLEUM COMPANY LP	B028	H023	131040	33840	25.82%
1576002006	MARATHON PETROLEUM COMPANY LP	B029	H023	131040	33840	25.82%
1667000007	OMNOVA SOLUTIONS, INC. POLYMERS	P004	T005	129,531	64154	49.53%

Total More than 5% Time CEMS Downtime: 42

Second Quarter, 2012
EER Action Recommendations

The following recommendations are made based expressly on excess emissions report ("EER") data from the fourth quarter of 2011 through the second quarter of 2012, using all EERs received as of the morning of September 7, 2012. Source operation time, CEMS/COMS downtime, excess emissions, and the ability of a facility to correct problems from quarter to quarter were taken into account when making these recommendations. Action recommendations are only made for sources that were in operation at least 5% of the available time in the specified quarter. These are only recommendations; it is up to the district or local office to take appropriate action for any CEMS/COMS downtime or recorded excess emissions at assigned facilities. Recommendations do not take into account any actions that may already have been taken. The level of actions taken for CEMS/COMS downtime and recorded exceedences should be adjusted to take into account facility information that was not used in developing this list, such as Director's approved maintenance requests and monitor certification periods. Please be aware that this data may be the basis of future enforcement actions, so problems should be addressed accordingly.

NOV						
Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
0372030241	Fremont Energy Center	P001	NOx (ppm@ 15% O2)	7.35 % EE	5.32 % EE	
		P002	NOx (ppm@ 15% O2)	6.76 % EE		
		P002	CO (ppm@ 15% O2)		6.24 % EE	
0448020006	Bay Shore Station – Toledo Edison Co.	B002	SO2 (lb/mmBtu)	5.38 % DT		
0660000247	Dresden Energy – Appalachian Power	P001	CO (lb/hr)	7.09 % DT		
		P001	CO (ppm@ 15% O2)	7.09 % DT		
		P001	NOx (lb/mmBtu)	7.25 % DT		
		P001	NOx (lb/hr)	7.25 % DT		
		P001	NOx (ppm@ 15% O2)	7.25 % DT		
		P002	CO (lb/hr)	20.75 % DT		
		P002	CO (ppm@ 15% O2)	20.75 % DT		
		P002	NOx (lb/mmBtu)	22.00 % DT		
		P002	NOx (lb/hr)	22.00 % DT		
		P002	NOx (ppm@ 15% O2)	22.00 % DT		
0671010028	Glatfelter	P001	TRS (ppm@ 8% O2)	13.57 % DT		

NOV

Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
0682000057	Rolling Hills Generation	P003	CO (lb/hr)	9.18 % EE		
		P003	NOx (ppm@ 15% O2)	6.12 % EE		
		P004	CO (lb/hr)	10.00 % EE		
		P004	NOx (ppm@ 15% O2)	8.33 % EE		
		P005	CO (lb/hr)	8.46 % EE		
		P005	NOx (ppm@ 15% O2)	7.46 % EE		
0773000182	Haverhill North Coke Plant	P901	SO2 (lb/hr)	9.71 % DT		
1318003059	Medical Center Company	B022	NOx (lb/mmBtu)	6.12 % DT	21.08 % EE	
1431394148	St. Bernard, LLC – DEGS	B045	CO (lb/mmBtu)	7.52 % EE		
1576002006	Marathon Refinery	B028	H2S (gr/DSCF)	25.82 % DT		
		B029	H2S (gr/DSCF)	25.82 % DT		
		P011	SO2 (ppm @ 0% O2)		23.67 % DT	
		P011	SO2 (lb/hr)		23.67 % DT	
		P016	SO2 (ppm @ 0% O2)		23.67 % DT	
		P016	SO2 (lb/hr)		23.67 % DT	

NOV and EAR

Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
0616000000	Conesville - AEP	B004	Opacity	100 % DT	100 % DT	100 % DT

NOV and EAR

Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
0627000003	Kyger Creek - OVEC	B001	Opacity	100 % DT	100 % DT	
		B001	SO2 (lb/mmBtu)		6.43 % DT	
		B002	Opacity	100 % DT	100 % DT	
		B002	SO2 (lb/mmBtu)		6.43 % DT	
		B003	Opacity	100 % DT	100 % DT	
		B004	Opacity	100 % DT	100 % DT	
		B005	Opacity	100 % DT	100 % DT	
0641090010	Severstal Steel	B103	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		B104	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		B105	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		B106	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		B107	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		B108	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		P006	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		P007	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		P008	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
		P911	H2S (gr/DSCF)	13.19 % EE	7.69 % EE	25.00 % EE
0641160017	Sammis Station - FirstEnergy	B007	Opacity	100 % DT	100 % DT	100 % DT
		B008	Opacity	100 % DT	100 % DT	100 % DT
		B009	Opacity	100 % DT	100 % DT	100 % DT
		B010	Opacity	100 % DT	100 % DT	100 % DT
		B011	Opacity	100 % DT	100 % DT	100 % DT
		B012	Opacity	100 % DT	100 % DT	100 % DT
		B013	Opacity	100 % DT	100 % DT	100 % DT

NOV and EAR

Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
0701000007	Stuart Station – Dayton Power & Light	B001 (wet stack)	SO2 (lb/mmBtu)	41.84 % DT		
		B003 (wet stack)	Particulate (lb/mmBtu)	100 % DT		
0701000060	Killen Station – Dayton Power & Light	B001	Opacity	17.60 % DT		
		B001	Particulate (lb/mmBtu)	34.90 % DT		8.76 % DT
1667000007	Omnova Solutions, Inc.	P004	VOC (lb/hr)	49.53 % DT	28.80 % DT	

Previous Issues

Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
0124000132	Valero, Bloomingburg	B001	NOx (lb/K gallons)		5.68 % DT	
		B002	NOx (lb/K gallons)		5.68 % DT	
0165010004	Dupont Circleville	P001	VOC (lb/hr)		19.53 % DT	
0243110008	Painesville Municipal Electric	B003	Opacity		5.69 % DT	
0278000648	Mittal Steel Coke Plant, Warren	P002	H2S (gr/kdscf)			13.49 % EE
0302020012	Lima Refining Company	B001	H2S (ppm)		5.69 % DT	
		B002	H2S (ppm)		5.69 % DT	
		B003	H2S (ppm)		5.69 % DT	
		B004	H2S (ppm)		5.69 % DT	
		B006	H2S (ppm)		5.69 % DT	
		B007	H2S (ppm)		6.37 % DT	
		B008	H2S (ppm)		5.69 % DT	
		P010	SO2 (ppm @0 % O2 7D)		5.28 % DT	

Previous Issues						
Premise	Facility Name	Emissions Unit ID	Parameter	2nd Quarter 2012	1st Quarter 2012	4th Quarter 2011
		P010	SO2 (ppm @0 % O2 RY)		5.28 % DT	
0374000010	Carmeuse Lime	P003	Opacity		14.76 % DT	
		P004	Opacity		14.76 % DT	
0448010247	Medical College of Ohio	B001	Opacity		23.13 DT	
0630010005	Metallurg Vanadium	P014	SO2 (lb/hr)			100 % DT
0666000000	USEC – Piketon Gaseous Diffusion	B003	Opacity		5.52 % EE	
0679000251	Belden Brick Co.	P801	SO2 (lb/hr)			17.30 % DT
		P802	SO2 (lb/hr)			17.30 % DT
		P803	SO2 (lb/hr)			17.30 % DT
0684000000	Muskingum River – Ohio Power	B006	Opacity			67.06 % DT
1431350093	Miami Fort – Duke Energy	B016	SO2 (lb/mmBtu)			10.96 % DT

EE = CEMS recorded excess emissions during monitored emissions unit operation *DT =CEMS downtime while emissions unit in operation (not including QA/QC)*