Worksheet Title: NOX CEMS Data

Who should complete this spreadsheet? Facilities who have installed and operate a CEMS to measure NOX emissions.

Nitrogen Oixdes (NO	X) Continuous Emissions Mor	itoring System (CEMS) Da	ta											
Instruction:		is Provide for all entries. Thi ID ID should match the ID provided in the PIII Equip detail tab.	Enter more than 1 APCD if needed (e.g., ESP1/WS1). is The ID(s) you specify should match other APCD_ID(s) provided in other parts of your survey response.				See the instruction document if production da are not available in this form.	ta	Please enter concentratior (ppmdv), corrected for %C (e.g., 8% O2 for recovery furnaces; 10% O2 for lime kilns) if applicable.	The % O2 correction is by volume (dry basis) (e.g, 8%	enter "startup," "shutdown,"	corrected for %O2 if needed.		of measure that you specify,
Field:				NOX CEM Hourly Emission D	Data Points From CY2009, 1				Was this data average affected by a condition of			OPTIONAL:	Specify Units:	ORTIONAL
	NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for NOX (ppmdv corrected for %O2	% O2 correction (by volume, 2) dry basis)	startup, shutdown, or , malfunction? If yes,please specify.	1-hour average emission value for NOX		OPTIONAL: % O2 correction (by volume, dry basis)
	999	99 LK2	SCBR8	Highest single 1-hour average NOX concentration in CY2009 (under normal operating conditions)	2/21/2009	14:00	64	Tons CaO/hr	79	10		34	lb/hr	10
				Highest single 1-hour average NOX concentration in CY2009 (under malfunction)	7/19/2009	9:00	56	Tons CaO/hr	80	10		34	lb/hr	10
				Highest single 1-hour average NOX concentration in CY2009 (under conditions of startup or shutdown)		17:00	35	Tons CaO/hr	41	10		13	lb/hr	10
				1 2 3 4 5	1/1/2009 1/1/2009 1/1/2009 1/1/2009 1/1/2009	00:00 01:00 02:00 03:00 04:00	55 55 55 55 55	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	31 37 32 31 29	10 10 10 10 10		13 16 14 13 12	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				6 7 8 9 10	1/1/2009 1/1/2009 1/1/2009 1/1/2009 1/1/2009	05:00 06:00 07:00 08:00 09:00	55 65 71 71 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	40 39 38 37 36	10 10 10 10		17 17 16 16 15	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				11 12 13 14 15	1/1/2009 1/1/2009 1/1/2009 1/1/2009 1/1/2009	10:00 11:00 12:00 13:00 14:00	72 72 72 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	35 34 34 34 32	10 10 10 10		15 15 15 15 14	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				16 17 18 19 20	1/1/2009 1/1/2009 1/1/2009 1/1/2009 1/1/2009	15:00 16:00 17:00 18:00 19:00	72 72 72 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	30 31 32 32 33	10 10 10 10		13 13 14 14 14	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				21 22 23 24 25	1/1/2009 1/1/2009 1/1/2009 1/1/2009 1/2/2009	20:00 21:00 22:00 23:00 00:00	72 72 72 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	34 33 36 35 35	10 10 10 10		15 14 15 15 15	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
				26 27 28 29 30	1/2/2009 1/2/2009 1/2/2009 1/2/2009 1/2/2009	01:00 02:00 03:00 04:00 05:00	72 72 72 72 72 71	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	36 36 37 38 51	10 10 10 10		15 15 16 16 22	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
				31 32 33 34 35	1/2/2009 1/2/2009 1/2/2009 1/2/2009 1/2/2009	06:00 07:00 08:00 09:00 10:00	72 72 71 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	39 38 40 39 38	10 10 10 10		17 16 17 17 16	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
				36 37 38 39 40	1/2/2009 1/2/2009 1/2/2009 1/2/2009 1/2/2009	11:00 12:00 13:00 14:00 15:00	72 72 72 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	37 37 37 37 38	10 10 10 10		16 16 16 16 16	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				41 42 43 44 45	1/2/2009 1/2/2009 1/2/2009 1/2/2009 1/2/2009	16:00 17:00 18:00 19:00 20:00	72 72 72 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	38 39 40 39 38	10 10 10 10		16 17 17 17 16	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
				46 47 48 49 50	1/2/2009 1/2/2009 1/2/2009 1/3/2009 1/3/2009	21:00 22:00 23:00 00:00 01:00	72 72 72 70 59	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	35 35 32 30 30	10 10 10 10		15 15 14 13 13	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
				51 52 53 54 55	1/3/2009 1/3/2009 1/3/2009 1/3/2009 1/3/2009	02:00 03:00 04:00 05:00 06:00	55 15 41 44 55	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	30 30 36 38 41	10 10 10 10 10		13 13 15 16	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				56 57 58 59 60	1/3/2009 1/3/2009 1/3/2009 1/3/2009 1/3/2009	07:00 08:00 09:00 10:00 11:00	71 72 72 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	39 38 38 38 38	10 10 10 10 10		17 16 16 16 16	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
				61 62 63 64 65	1/3/2009 1/3/2009 1/3/2009 1/3/2009 1/3/2009	12:00 13:00 14:00 15:00 16:00	69 62 62 62 62	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	38 38 32 32 32	10 10 10 10 10		16 16 14 14 14	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10

Emission Unit ID (or CEMS Date (24-hour clock) Hourly Production Rate Hourly Production Rate value for NOX % O2 correction (b NFI Site ID collection system ID) APCD ID Hour (mm/dd/www) (humis) (units) (nomdy corrected for %CO) (A basis)	affected by a condition of startup, shutdown, or by volume, malfunction? If yes, please specify.  OPTIONAL: 1-hour average emis value for NOX	% O2 correction (by volume,
	startup, shutdown, or 1-hour average emis	Sesion   OPTIONAL:

NEI Site ID	Emission Unit ID (or collection system ID) APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for NOX (ppmdv corrected for %O2)	% O2 correction (by volume	Was this data average affected by a condition of startup, shutdown, or e, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for NOX		OPTIONAL: % O2 correction (by volume, dry basis)
TEI SICE IS	,	163	1/7/2009	18:00	72	Tons CaO/hr	0	10	Shutdown	0	lb/hr	10
		164 165	1/7/2009 1/7/2009	19:00 20:00	69 67	Tons CaO/hr Tons CaO/hr	0	10 10	Shutdown Shutdown	0	lb/hr lb/hr	10 10
		166	1/7/2009	21:00	62	Tons CaO/hr	0	10	Shutdown	0	lb/hr	10
		167 168	1/7/2009 1/7/2009	22:00 23:00	61 61	Tons CaO/hr Tons CaO/hr	0	10 10	Shutdown Shutdown	0	lb/hr lb/hr	10 10
		169	1/8/2009	00:00	61	Tons CaO/hr	4	10	Startup	2	lb/hr	10
		170 171	1/8/2009 1/8/2009	01:00 02:00	62 71	Tons CaO/hr Tons CaO/hr	9 15	10 10	Startup Startup	4	lb/hr lb/hr	10 10
		172	1/8/2009	03:00	72	Tons CaO/hr	20	10	Startup	9	lb/hr	10
		173 174	1/8/2009 1/8/2009	04:00 05:00	72 72	Tons CaO/hr Tons CaO/hr	26 32	10 10	Startup Startup	11 14	lb/hr lb/hr	10 10
		175	1/8/2009	06:00	72	Tons CaO/hr	33	10	Startup	14	lb/hr	10
		176 177	1/8/2009	07:00 08:00	72 72	Tons CaO/hr	35 37	10 10	Startup	15 16	lb/hr lb/hr	10 10
		177	1/8/2009 1/8/2009	09:00	72	Tons CaO/hr Tons CaO/hr	39	10	Startup Startup	17	lb/hr	10
		179 180	1/8/2009 1/8/2009	10:00 11:00	72 72	Tons CaO/hr	40 41	10 10	Startup Startup	17 18	lb/hr lb/hr	10
		180	1/8/2009	12:00	72	Tons CaO/hr Tons CaO/hr	40	10	Startup	17	lb/hr	10 10
		182	1/8/2009	13:00	71	Tons CaO/hr	38	10	Startup	16	lb/hr lb/hr	10
		183 184	1/8/2009 1/8/2009	14:00 15:00	72 63	Tons CaO/hr Tons CaO/hr	37 38	10 10	Startup Startup	16 16	lb/hr	10 10
		185	1/8/2009	16:00	59	Tons CaO/hr	35	10	Startup	15	lb/hr	10
		186 187	1/8/2009 1/8/2009	17:00 18:00	71 71	Tons CaO/hr Tons CaO/hr	31 29	10 10	Startup Startup	13 12	lb/hr lb/hr	10 10
		188	1/8/2009	19:00	66	Tons CaO/hr	27	10	Startup	12	lb/hr	10
		189 190	1/8/2009 1/8/2009	20:00 21:00	58 67	Tons CaO/hr Tons CaO/hr	25 22	10 10	Startup Startup	11 9	lb/hr lb/hr	10 10
		191	1/8/2009	22:00	72	Tons CaO/hr	20	10		9	lb/hr	10
		192 193	1/8/2009 1/9/2009	23:00 00:00	72 72	Tons CaO/hr Tons CaO/hr	20 30	10 10		9 13	lb/hr lb/hr	10 10
		194	1/9/2009	01:00	72	Tons CaO/hr	33	10		14	lb/hr	10
		195 196	1/9/2009 1/9/2009	02:00 03:00	72 72	Tons CaO/hr Tons CaO/hr	38 37	10 10		16 16	lb/hr lb/hr	10 10
		197	1/9/2009	04:00	72	Tons CaO/hr	36	10		15	lb/hr	10
		198 199	1/9/2009	05:00	72	Tons CaO/hr	35 34	10		15	lb/hr	10 10
		200	1/9/2009 1/9/2009	06:00 07:00	72 72	Tons CaO/hr Tons CaO/hr	33	10 10		15 14	lb/hr lb/hr	10
		201	1/9/2009	08:00	72	Tons CaO/hr	30	10		13	lb/hr	10
		202 203	1/9/2009 1/9/2009	09:00 10:00	72 72	Tons CaO/hr Tons CaO/hr	30 30	10 10		13 13	lb/hr lb/hr	10 10
		204	1/9/2009	11:00	72	Tons CaO/hr	30	10		13	lb/hr	10
		205 206	1/9/2009 1/9/2009	12:00 13:00	72 72	Tons CaO/hr Tons CaO/hr	30 30	10 10		13 13	lb/hr lb/hr	10 10
		207	1/9/2009	14:00	72	Tons CaO/hr	30	10		13	lb/hr	10
		208 209	1/9/2009 1/9/2009	15:00 16:00	72 72	Tons CaO/hr Tons CaO/hr	30 30	10 10		13 13	lb/hr lb/hr	10 10
		210	1/9/2009	17:00	72	Tons CaO/hr	30	10		13	lb/hr	10
		211 212	1/9/2009 1/9/2009	18:00 19:00	72 72	Tons CaO/hr Tons CaO/hr	40 30	10 10		17 13	lb/hr lb/hr	10 10
		213	1/9/2009	20:00	72	Tons CaO/hr	40	10		17	lb/hr	10
		214 215	1/9/2009 1/9/2009	21:00 22:00	72 72	Tons CaO/hr Tons CaO/hr	33 38	10 10		14 16	lb/hr lb/hr	10 10
		216	1/9/2009	23:00	72	Tons CaO/hr	37	10		16	lb/hr	10
		217 218	1/10/2009 1/10/2009	00:00 01:00	72 72	Tons CaO/hr Tons CaO/hr	36 35	10 10		15 15	lb/hr lb/hr	10 10
		219	1/10/2009	02:00	72	Tons CaO/hr	34	10		15	lb/hr	10
		220 221	1/10/2009 1/10/2009	03:00 04:00	72 72	Tons CaO/hr Tons CaO/hr	33 30	10 10		14 13	lb/hr lb/hr	10 10
		222	1/10/2009	05:00	72	Tons CaO/hr	30	10		13	lb/hr	10
		223	1/10/2009	06:00	72	Tons CaO/hr	30	10		13	lb/hr	10
		224 225	1/10/2009 1/10/2009	07:00 08:00	72 72	Tons CaO/hr Tons CaO/hr	30 33	10 10		13 14	lb/hr lb/hr	10 10
		226	1/10/2009	09:00	73	Tons CaO/hr	38	10		16	lb/hr	10
		227 228	1/10/2009 1/10/2009	10:00 11:00	73 72	Tons CaO/hr Tons CaO/hr	37 36	10 10		16 15	lb/hr lb/hr	10 10
		229	1/10/2009	12:00	73	Tons CaO/hr	35	10		15	lb/hr	10
		230 231	1/10/2009 1/10/2009	13:00 14:00	73 73	Tons CaO/hr Tons CaO/hr	34 33	10 10		15 14	lb/hr lb/hr	10 10
		232	1/10/2009	15:00	69	Tons CaO/hr	30	10		13	lb/hr	10
		233 234	1/10/2009 1/10/2009	16:00 17:00	58 58	Tons CaO/hr Tons CaO/hr	30 30	10 10		13 13	lb/hr lb/hr	10 10
		235	1/10/2009	18:00	58	Tons CaO/hr	30	10		13	lb/hr	10
		236 237	1/10/2009 1/10/2009	19:00 20:00	58 58	Tons CaO/hr Tons CaO/hr	30 40	10 10		13 17	lb/hr lb/hr	10 10
		238	1/10/2009	21:00	69	Tons CaO/hr	41	10		18	lb/hr	10
		239 240	1/10/2009 1/10/2009	22:00 23:00	73 73	Tons CaO/hr Tons CaO/hr	45 42	10 10		19 18	lb/hr lb/hr	10 10
		241	1/11/2009	00:00	73	Tons CaO/hr	43	10		18	lb/hr	10
		242 243	1/11/2009 1/11/2009	01:00 02:00	73 73	Tons CaO/hr Tons CaO/hr	45 47	10 10		19 20	lb/hr lb/hr	10 10
		244	1/11/2009	03:00	73	Tons CaO/hr	49	10		21	lb/hr	10
		245 246	1/11/2009 1/11/2009	04:00 05:00	73 73	Tons CaO/hr Tons CaO/hr	45 42	10 10		19 18	lb/hr lb/hr	10 10
		247	1/11/2009	06:00	73	Tons CaO/hr	40	10		18 17	lb/hr	10
		248	1/11/2009	07:00	73	Tons CaO/hr	40	10		17	lb/hr	10
		249 250	1/11/2009 1/11/2009	08:00 09:00	73 73	Tons CaO/hr Tons CaO/hr	40 40	10 10		17 17	lb/hr lb/hr	10 10
		251	1/11/2009	10:00	73	Tons CaO/hr	41	10		18	lb/hr	10
		252 253	1/11/2009 1/11/2009	11:00 12:00	73 71	Tons CaO/hr Tons CaO/hr	45 40	10 10		19 17	lb/hr lb/hr	10 10
		254	1/11/2009	13:00	60	Tons CaO/hr	47	10		20	lb/hr	10
		255 256	1/11/2009 1/11/2009	14:00 15:00	72 73	Tons CaO/hr Tons CaO/hr	49 51	10 10		21 22	lb/hr lb/hr	10 10
		257	1/11/2009	16:00	73	Tons CaO/hr	49	10		21	lb/hr	10
		258 259	1/11/2009 1/11/2009	17:00 18:00	73 73	Tons CaO/hr Tons CaO/hr	49 48	10 10		21 21	lb/hr lb/hr	10 10

NEI Site ID	Emission Unit ID (or collection system ID)	APCD ID	Hour	CEMS Date (mm/dd/vyvy)	CEMS Hour (24-hour clock) (h)::mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for NOX (ppmdy corrected for %O2)	Was this data average affected by a condition of startup, shutdown, or % O2 correction (by volume, malfunction? If yes,please ) dry basis)	OPTIONAL: 1-hour average emission value for NOX		OPTIONAL: % O2 correction (by volume, dry basis)
NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour    260   261   262   263   264   265   266   267   268   269   270   271   272   273   274   275   276   277   278   279   280   281   282   283   284   285   286   287   288   289   290   291   292   293   294   295   296   297   298   299   290   300   301   302   303   304   305   306   307   308   309   310   311   312   313   314   315   316   317   318   319   320   321   322   322   322   322   322   322   322   322   322   322   322   322   322   323   333   334   335	CEMS Date (mm/dd/yyyy)  1/11/2009	CEMS Hour (24-hour clock) (thi.mm)  20:00 21:00 21:00 21:00 00:00 01:00 00:00	Hourly Production Rate (value)  73 73 73 73 73 73 73 73 72 72 72 72 72 72 72 72 72 72 72 72 72	Hourly Production Rate (units)  Tons CaO/hr Tons CaO/h	1-hour average emission value for NOX (ppmdv corrected for %O2) 47 49 47 40 48 48 40 40 50 50 50 40 50 51 50 51 50 51 50 51 50 57 48 50 40 40 40 40 50 50 51 50 55 50 55 50 55 55 50 55 55 50 55 55	affected by a condition of startup, shutdown, or % O2 correction (by volume, malfunction? If yes,please	1-hour average emission		
			333 334	1/14/2009 1/14/2009	20:00 21:00	72 72	Tons CaO/hr Tons CaO/hr	79 70	10 10	34 30	lb/hr lb/hr	10 10

Emission Unit ID (or NEI Site ID collection system ID) APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for NOX (ppmdv corrected for %0	% O2 correction (by volum	Was this data average affected by a condition of startup, shutdown, or e, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for NOX		OPTIONAL: % O2 correction (by volume, dry basis)
	357 358 359 360 361 362 363 364 365 366 366 367 368 369 370 371 372 373 374 375 378 379 380 381 382 383 384 385 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 411 411 411 411 411 411 411 411	1/15/2009 1/15/2009 1/15/2009 1/15/2009 1/15/2009 1/15/2009 1/16/2	20:00 21:00 22:00 23:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 00:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 00:00 00:00 10:00	71 71 71 71 72 73 73 73 73 73 73 70 70 70 70 70 70 70 70 70 70 70 70 70	Tons CaO/hr Tons C	70 70 70 70 70 70 70 70 70 70 70 70 70 7	10	Shutdown Startup	30 30 30 30 30 30 30 30 30 30 31 31 32 33 34 34 30 30 30 30 30 30 30 30 30 30 30 30 30		10 10 10 10 10 10 10 10 10 10 10 10 10 1

Emission Unit ID (or NEI Site ID collection system ID) APCD_ID		CEMS Date	CEMS Hour (24-hour clock)	Hourly Production Rate	Hourly Production Rate	1-hour average emission value for NOX % O2 co (ppmdv corrected for %O2) dry basis	Was this data average affected by a condition of startup, shutdown, or rrection (by volume, malfunction? If yes,please	OPTIONAL: 1-hour average emission value for NOX		OPTIONAL: % O2 correction (by volume, dry bacie)
NEI Site ID collection system ID) APCD_ID	551 552 553 554	(mm/dd/yyyy) 1/23/2009 1/23/2009 1/24/2009 1/24/2009	(hh:mm) 22:00 23:00 00:00 01:00	(value)  66 53 8 40	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	25 20 18 20	10 10 10 10	11 9 8 9	lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	555 556 557 558 559	1/24/2009 1/24/2009 1/24/2009 1/24/2009 1/24/2009	02:00 03:00 04:00 05:00 06:00	54 55 55 56 56	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	20 10 12 14 15	10 10 10 10 10	9 4 5 6 6	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	560 561 562 563 564	1/24/2009 1/24/2009 1/24/2009 1/24/2009 1/24/2009	07:00 08:00 09:00 10:00 11:00	56 56 56 55 55	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	16 18 20 18 17	10 10 10 10 10	7 8 9 8 7	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	565 566 567 568 569	1/24/2009 1/24/2009 1/24/2009 1/24/2009 1/24/2009	12:00 13:00 14:00 15:00 16:00	55 55 55 55 55	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	21 18 22 19 18	10 10 10 10 10	9 8 9 8	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	570 571 572 573 574	1/24/2009 1/24/2009 1/24/2009 1/24/2009 1/24/2009	17:00 18:00 19:00 20:00 21:00	55 55 55 55 55	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	17 16 17 18 19	10 10 10 10 10	7 7 7 8	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	575 576 577 578	1/24/2009 1/24/2009 1/25/2009 1/25/2009	22:00 23:00 00:00 01:00	58 58 58 58	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	20 21 10 10	10 10 10 10	9 9 4 4	lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	579 580 581 582 583	1/25/2009 1/25/2009 1/25/2009 1/25/2009 1/25/2009	02:00 03:00 04:00 05:00 06:00	58 58 58 58 57	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	10 16 17 18 19	10 10 10 10 10	4 7 7 8 8	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	584 585 586 587 588	1/25/2009 1/25/2009 1/25/2009 1/25/2009 1/25/2009	07:00 08:00 09:00 10:00 11:00	56 56 57 56 56	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	20 20 10 20 18	10 10 10 10 10	9 9 4 9 8	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	589 590 591 592 593	1/25/2009 1/25/2009 1/25/2009 1/25/2009	12:00 13:00 14:00 15:00 16:00	56 57 56 56 56	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	10 25 30 10 14	10 10 10 10 10	4 11 13 4	lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	594 595 596 597	1/25/2009 1/25/2009 1/25/2009 1/25/2009 1/25/2009	17:00 18:00 19:00 20:00	56 56 56 56	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	10 20 10 15	10 10 10 10	4 9 4 6	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	598 599 600 601 602	1/25/2009 1/25/2009 1/25/2009 1/26/2009 1/26/2009	21:00 22:00 23:00 00:00 01:00	56 56 56 56 56	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	10 20 10 20 10	10 10 10 10 10	4 9 4 9	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	603 604 605 606 607	1/26/2009 1/26/2009 1/26/2009 1/26/2009 1/26/2009	02:00 03:00 04:00 05:00 06:00	57 57 58 58 58	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	20 26 24 20 20	10 10 10 10 10	9 11 10 9	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	608 609 610 611 612	1/26/2009 1/26/2009 1/26/2009 1/26/2009 1/26/2009	07:00 08:00 09:00 10:00 11:00	57 59 56 56 57	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	23 30 20 22 20	10 10 10 10 10	10 13 9 9	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	613 614 615 616 617	1/26/2009 1/26/2009 1/26/2009 1/26/2009 1/26/2009	12:00 13:00 14:00 15:00 16:00	56 56 56 62 62	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	24 20 26 30 28	10 10 10 10 10	10 9 11 13 12	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	618 619 620 621 622	1/26/2009 1/26/2009 1/26/2009 1/26/2009	17:00 18:00 19:00 20:00	63 61 71 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	20 26 25 20 24	10 10 10 10 10	9 11 11 9	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	623 624 625 626	1/26/2009 1/26/2009 1/26/2009 1/27/2009 1/27/2009	21:00 22:00 23:00 00:00 01:00	72 72 72 68	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	23 30 31 33	10 10 10 10	10 13 13 14	lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	627 628 629 630 631	1/27/2009 1/27/2009 1/27/2009 1/27/2009 1/27/2009	02:00 03:00 04:00 05:00 06:00	55 55 55 55 55	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	30 28 31 30 31	10 10 10 10 10	13 12 13 13	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	632 633 634 635 636	1/27/2009 1/27/2009 1/27/2009 1/27/2009 1/27/2009	07:00 08:00 09:00 10:00 11:00	55 55 55 55 54	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	29 35 30 25 28	10 10 10 10 10	12 15 13 11 12	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10
	637 638 639 640 641	1/27/2009 1/27/2009 1/27/2009 1/27/2009 1/27/2009	12:00 13:00 14:00 15:00 16:00	55 67 72 72 72	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	31 32 36 38 40	10 10 10 10 10	13 14 15 16 17	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10
	642 643 644 645 646	1/27/2009 1/27/2009 1/27/2009 1/27/2009 1/27/2009	17:00 18:00 19:00 20:00 21:00	72 72 72 72 71 71	Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr Tons CaO/hr	41 43 44 45 47	10 10 10 10 10	18 18 19 19	lb/hr lb/hr lb/hr lb/hr lb/hr	10 10 10 10 10

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for NOX (ppmdv corrected for %O2)	Was this data average affected by a condition of startup, shutdown, or walfunction? If yes, please specify.	1-hour average emission		OPTIONAL: % O2 correction (by volume, dry basis)
			648 649	1/27/2009 1/28/2009	23:00 00:00	71 71	Tons CaO/hr Tons CaO/hr	49 47	10 10	21 20	lb/hr lb/hr	10 10
			650	1/28/2009	01:00	71	Tons CaO/hr	48	10	21	lb/hr	10
			651 652	1/28/2009 1/28/2009	02:00 03:00	70 55	Tons CaO/hr Tons CaO/hr	47 47	10 10	20 20	lb/hr lb/hr	10 10
			653 654	1/28/2009 1/28/2009	04:00 05:00	55	Tons CaO/hr	45 48	10 10	19	lb/hr	10 10
			655	1/28/2009	06:00	55 55	Tons CaO/hr Tons CaO/hr	40	10	21 18	lb/hr lb/hr	10
			656 657	1/28/2009	07:00 08:00	55 57	Tons CaO/hr	40 45	10 10	17 19	lb/hr	10 10
			658	1/28/2009 1/28/2009	09:00	72	Tons CaO/hr Tons CaO/hr	51	10	22	lb/hr lb/hr	10
			659 660	1/28/2009 1/28/2009	10:00 11:00	72 72	Tons CaO/hr Tons CaO/hr	51 52	10 10	22 22	lb/hr lb/hr	10 10
			661	1/28/2009	12:00	72	Tons CaO/hr	40	10	17	lb/hr	10
			662 663	1/28/2009 1/28/2009	13:00 14:00	72 72	Tons CaO/hr Tons CaO/hr	50 47	10 10	21 20	lb/hr lb/hr	10 10
			664	1/28/2009	15:00	71	Tons CaO/hr	40	10	17	lb/hr	10
			665 666	1/28/2009 1/28/2009	16:00 17:00	67 65	Tons CaO/hr Tons CaO/hr	51 58	10 10	22 25	lb/hr lb/hr	10 10
			667	1/28/2009	18:00	65	Tons CaO/hr	62	10	27	lb/hr	10
			668 669	1/28/2009 1/28/2009	19:00 20:00	64 65	Tons CaO/hr Tons CaO/hr	60 50	10 10	26 21	lb/hr lb/hr	10 10
			670	1/28/2009	21:00	65	Tons CaO/hr	50	10	21	lb/hr	10
			671 672	1/28/2009 1/28/2009	22:00 23:00	65 65	Tons CaO/hr Tons CaO/hr	60 60	10 10	26 26	lb/hr lb/hr	10 10
			673	1/29/2009	00:00	65	Tons CaO/hr	50	10	21	lb/hr	10
			674 675	1/29/2009 1/29/2009	01:00 02:00	66 71	Tons CaO/hr Tons CaO/hr	60 60	10 10	26 26	lb/hr lb/hr	10 10
			676	1/29/2009	03:00	72	Tons CaO/hr	60	10	26	lb/hr	10 10
			677 678	1/29/2009 1/29/2009	04:00 05:00	72 72	Tons CaO/hr Tons CaO/hr	60 60	10 10	26 26	lb/hr lb/hr	10
			679 680	1/29/2009 1/29/2009	06:00 07:00	72 72	Tons CaO/hr Tons CaO/hr	60 50	10 10	26	lb/hr lb/hr	10 10
			681	1/29/2009	08:00	72	Tons CaO/hr	70	10	21 30	lb/hr	10
			682 683	1/29/2009 1/29/2009	09:00 10:00	72 72	Tons CaO/hr Tons CaO/hr	60 63	10 10	26 27	lb/hr lb/hr	10 10
			684	1/29/2009	11:00	71	Tons CaO/hr	64	10	28	lb/hr	10
			685 686	1/29/2009 1/29/2009	12:00 13:00	70 70	Tons CaO/hr Tons CaO/hr	65 66	10 10	28 28	lb/hr lb/hr	10 10
			687	1/29/2009	14:00	69	Tons CaO/hr	67	10	29	lb/hr	10
			688 689	1/29/2009 1/29/2009	15:00 16:00	65 65	Tons CaO/hr Tons CaO/hr	60 70	10 10	26 30	lb/hr lb/hr	10 10
			690	1/29/2009	17:00	65	Tons CaO/hr	60	10	26	lb/hr	10
			691 692	1/29/2009 1/29/2009	18:00 19:00	65 65	Tons CaO/hr Tons CaO/hr	70 63	10 10	30 27	lb/hr lb/hr	10 10
			693	1/29/2009	20:00	65	Tons CaO/hr	64	10	28	lb/hr	10 10
			694 695	1/29/2009 1/29/2009	21:00 22:00	65 65	Tons CaO/hr Tons CaO/hr	65 66	10 10	28 28	lb/hr lb/hr	10
			696 697	1/29/2009 1/30/2009	23:00 00:00	65 60	Tons CaO/hr Tons CaO/hr	67 70	10 10	29 30	lb/hr lb/hr	10 10
			698	1/30/2009	01:00	55	Tons CaO/hr	63	10	27	lb/hr	10
			699 700	1/30/2009 1/30/2009	02:00 03:00	55 55	Tons CaO/hr Tons CaO/hr	64 65	10 10	28 28	lb/hr lb/hr	10 10
			701	1/30/2009	04:00	55	Tons CaO/hr	66	10	28	lb/hr	10
			702 703	1/30/2009 1/30/2009	05:00 06:00	55 55	Tons CaO/hr Tons CaO/hr	67 70	10 10	29 30	lb/hr lb/hr	10 10
			704	1/30/2009	07:00	69	Tons CaO/hr	80	10 Malfunction	34	lb/hr	10
			705 706	1/30/2009 1/30/2009	08:00 09:00	72 72	Tons CaO/hr Tons CaO/hr	69 65	10 Malfunction 10 Malfunction	30 28	lb/hr lb/hr	10 10
			707 708	1/30/2009 1/30/2009	10:00 11:00	72 72	Tons CaO/hr	60 60	10 10	26 26	lb/hr lb/hr	10 10
			709	1/30/2009	12:00	72	Tons CaO/hr Tons CaO/hr	60	10	26	lb/hr	10
			710 711	1/30/2009 1/30/2009	13:00 14:00	72 72	Tons CaO/hr Tons CaO/hr	60 63	10 10	26 27	lb/hr lb/hr	10 10
			712	1/30/2009	15:00	72	Tons CaO/hr	64	10	28	lb/hr	10
			713 714	1/30/2009 1/30/2009	16:00 17:00	72 71	Tons CaO/hr Tons CaO/hr	65 66	10 10	28 28	lb/hr lb/hr	10 10
			715	1/30/2009	18:00	72	Tons CaO/hr	67	10	29	lb/hr	10
			716 717	1/30/2009 1/30/2009	19:00 20:00	72 72	Tons CaO/hr Tons CaO/hr	65 60	10 10	28 26	lb/hr lb/hr	10 10
			718	1/30/2009	21:00	72	Tons CaO/hr	71	10	31	lb/hr	10
			719 720	1/30/2009 1/30/2009	22:00 23:00	72 72	Tons CaO/hr Tons CaO/hr	75 73	10 10	32 31	lb/hr lb/hr	10 10

Untitled EXAMPLE 8 of 38

neview brait		
OMB Control No:	XXXX-XXXX	Did any of the responses (individual cells) you entered in this tab contain CBI?
Expiration Date:	xx/xx/xxxx	If yes, be sure to shade the CBI-containing cells red and follow the instructions in section C of the survey overview document for submitting CBI.

Worksheet Title:

TRS 12-Hour CEMS Data

Who should complete this spreadsheet?

Facilities with digester systems, brown stock washer systems, multiple effect evaporator systems, condensate stripper systems, recovery furnaces, smelt dissolving tanks, and/or lime kilns, subject to the TRS and O2 monitoring requirements in NSPS Subpart BB (or another standard).

fotal Doducod Sulfur (TDS) and	Oxygen (O2) Continuous Emissions	Monitoring System (CEMS) Data
iotai keuuteu Juliui (1k3) aliu	Oxygen (Oz) continuous Emissions	Monitoring System (CEMS) Data

Instruction:	Provide for all entries. This should match the NEI Site I used in all parts of your survey response.	s Provide for all entries. This ID ID should match the ID provided in the PIII Equip detail tab.	Enter more than 1 APCD if needed (e.g., ESPI,WS1). The ID(s) you specify should match other APCD_ID(s) provided in other parts of your survey response.			See the instruction document if production da are not available in this form.	ta	Please enter concentration (ppmdv) corrected for %02 as required by subpart BB (8% O2 for recovery furnaces; 10% O2 for other equipment for which data are requested).	The % O2 correction is by volume (dry basis) (e.g, 8% or 10%).	If no, leave blank. If yes, enter "startup," "shutdown," or "malfunction."	OPTIONAL: Please enter CEM corrected for %02 if needed	S data in alternative units	of measure that you specify,
Field:	NEI Site ID	Emission Unit ID (or collection system ID)	APCD ID	TRS CEM 12-Hour Average	Emission Data Points From C	Y2009, 1/1/2009 - 12/31/2009  Average Production Rate	Average Production Rate (units)	12-hour average emission		Was this data average affected by a condition of startup, shutdown, or , malfunction? If yes,please specify.		Specify Units:	OPTIONAL: % O2 correcti (by volume, dry basis)
		,		Highest single 12-hour average TRS concentration in CY2009 (under normal operating conditions)		( 1 1 2 )		,	.,				
				Highest single 12-hour average TRS concentration in CY2009 (under malfunction)									
				Highest single 12-hour average TRS concentration in CY2009 (under conditions of startup or shutdown)	5								
				1 2 3 4									
				6 7 8 9									
				10 11 12 13 14									
				15 16 17 18 19									
				20 21 22 23									
				24 25 26 27 28									
				29 30 31 32									
				33 34 35 36 37									
				38 39 40 41									
				42 43 44 45 46									
				47 48 49 50 51									

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TRS 12-Hour CEMS Data Untitled 10 of 38

OMB Control No: xxxx-xxxx Did any of the responses (individual cells) you entered in this tab contain CBI?
Divid Control No. XXXX-XXXX Did any of the responses (individual cens) you entered in this tab contain Con:
Expiration Date: xx/xx/xxxx If yes, be sure to shade the CBI-containing cells red and follow the instructions in section C of the survey overview document for

Who should complete

Facilities with digester systems, brown stock washer systems, multiple effect evaporator systems, condensate stripper systems, recovery furnaces, smelt dissolving tanks, and/or lime kilns, subject to the TRS and O2 monitoring requirements in NSPS Subpart BB (or another standard).

on:	Provide for all entries. This should match the NEI Site II used in all parts of your survey response.	Provide for all entries. This ID Should match the ID provided in the PIII Equip detail tab.	Enter more than 1 APCD if needed (e.g., ESP1/WS1). The ID(s) you specify should match other APCD_ID(s) provided in other parts of your survey response.				See the instruction document if production dare not available in this form.	ota	Please enter concentration (ppmdy) corrected for %O2 as required by subpart BB (8% O2 for recovery furnaces; 10% O2 for other equipment for which data are requested).	The % O2 correction is by volume (dry basis) (e.g, 8% or 10%).	If no, leave blank. If yes, enter "startup," "shutdown, or "malfunction."	OPTIONAL: Please enter CE corrected for %O2 if needed	1.	s of measure that you speci
	NEI Site ID	Emission Unit ID (or collection system ID)	APCD ID	TRS CEM Hourly Emission Da		CEMS Hour (24-hour clock	) Hourly Production Rate (value)	Hourly Production Rate	1-hour average emission value for TRS (ppmdv corrected for %02)	% O2 correction (by volume	Was this data average affected by a condition of startup, shutdown, or , malfunction? If yes,please	OPTIONAL: 1-hour average emission value for TRS	Specify Units:	OPTIONAL: % O2 corre
	NET SITE ID	collection system ID)	APCD_ID	Highest single 1-hour average TRS concentration in CY2009 (under normal operating conditions)	CEMS Date (mm/dd/yyyy)	(nn:mm)	(value)	(units)	corrected for %O2)	dry basis)	specify.	emission value for TRS		(by volume, dry basis)
				Highest single 1-hour average TRS concentration in CY2009 (under malfunction)										
				Highest single 1-hour average TRS concentration in CY2009 (under conditions of startup or shutdown)										
				2 3 4 5										
				7 8 9 10										
				11 12 13 14 15										
				17 18 19 20 21										
				22 23 24 25										
				26 27 28 29 30										
				31 32 33 34 35										
				36 37 38 39 40										
				41 42 43 44 45										
				46 47 48 49										
				50 51 52 53 54 55 56										

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/vvvv)	CEMS Hour (24-hour clock) Hour (hh:mm) (vi	ourly Production Rate	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %O2)	Was this data av affected by a co startup, shutdow % O2 correction (by volume, malfunction? If dry basis) specify.	erage dition of h, or es,please OPTIONAL: 1-hour average emission value for TRS	OPTIONAL: % O2 correction (by volume, dry basis)
NEI Sic ID	conceded system (b)	,css	58 59 60 61	(minjud/yyyy)	(Vi		(Jino)		a, addy specify.	Children in the	any source, ary source
			62 63 64 65								
			66 67 68 69								
			70 71 72 73								
			74 75 76 77 78								
			79 80 81 82								
			83 84 85 86								
			88 88 89 90								
			92 93 94 95								
			96 97 98 99								
			58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 90 91 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 121 122 123 124 125 126 127 128 129 130 131 131 132								
			105 106 107 108								
			109 110 111 112								
			114 115 116 117								
			118 119 120 121								
			122 123 124 125								
			127 128 129 130								
			131 132 133 134								
			133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148								
			140 141 142 143								
			144 145 146 147								
			148 149								

NT 50 - 10	Emission Unit ID (or				CEMS Hour (24-hour clock) Ho (hh:mm) (vi	ourly Production Rate	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %02)	Was this data averag affected by a condition startup, shutdown, or % O2 correction (by volume, malfunction? If yes,p dry basis) specify.	of OPTIONAL: 1-hour average	OPTIONAL: % O2 correction (by volume, dry basis)
NEI Site ID	collection system ID)	APCD_ID	150 151 152	CEMS Date (mm/dd/yyyy)	(nh:mm) (vi	alue)	(units)	corrected for %O2)	dry basis) specify.	emission value for TRS	(by volume, dry basis)
			150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224								
			157 158 159 160								
			161 162 163								
			165 166 167								
			169 170 171								
			172 173 174 175								
			176 177 178 179								
			180 181 182 183								
			184 185 186 187								
			188 189 190 191								
			192 193 194 195								
			196 197 198 199								
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			212 213 214 215								
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			220 221 222								
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			231 232 233 234								
			235 236 237 238								
			239 240 241								

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/vvvv)	CEMS Hour (24-hour clock) Hourly Production Rate (hh:mm) (value)	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %O2)	% O2 correction (by volur	Was this data average affected by a condition of startup, shutdown, or ne, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for TRS	OPTIONAL: % O2 correction (by volume, dry basis)
ALI SICE ID	conceder system (b)	7.1 00_10	242 243 244 245	zeno osce (minouryyyy)	(Voice)	(direct)	30110000 101 70027	J. ; 503/3/	- pecing :	1 1000 101 110	ay forume, dry busis)
			246 247 248 249								
			250 251 252 253								
			254 255 256 257								
			259 259 260 261 262								
			263 264 265 266								
			267 268 269 270								
			271 272 273 274 275								
			276 277 278 279								
			280 281 282 283 284								
			242 243 244 245 246 247 248 249 250 251 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 311 312 313 314 315 316								
			289 290 291 292								
			294 295 296 297								
			298 299 300 301								
			302 303 304 305								
			307 308 309 310								
			311 312 313 314								
			315 316 317 318								
			317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333								
			324 325 326 327								
			328 329 330 331								

NEI Site ID	Emission Unit ID (or collection system ID)	APCD ID	Hour	CEMS Data (mm/dd/www)	CEMS Hour (24-hour clock) Hou (hh:mm) (va	urly Production Rate	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %O2)	Was this data average affected by a condition to startup, shutdown, or % O2 correction (by volume, malfunction? If yes,pled try basis) specify.	e OPTIONAL: 1-hour average	OPTIONAL: % O2 correction (by volume, dry basis)
NEI SILE ID	collection system ib)	APCD_ID	334 335 336	CEMS Date (IIIII/dd/yyyy)	(III:IIIII) (Va	iue)	(units)	corrected for %O2)	ury basis) specify.	emission value for TKS	(by volume, dry basis)
			337 338 339 340								
			341 342 343 344								
			345 346 347 348								
			350 351 352								
			353 354 355 356								
			357 358 359 360								
			362 363 364								
			366 367 368								
			370 371 372								
			373 374 375 376								
			334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 391 392 393 394 395 396 397 398 399 390 391 392 393 394 395 396 397 398 399 390 391 392 393 394 395 396 397 398 399 390 391 392 393 394 395 396 397 398 399 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405								
			382 383 384 385								
			386 387 388 389								
			390 391 392 393								
			394 395 396 397								
			398 399 400 401								
			402 403 404 405								
			406 407 408 409								
			410 411 412 413								
			414 415 416 417								
			418 419 420 421								
			409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425								

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CFMS Date (mm/dd/space)	CEMS Hour (24-hour clock) Hourly Production Rate (hh:mm) (value)	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %O2)	% O2 correction (by volur	Was this data average affected by a condition of startup, shutdown, or ne, malfunction? If yes,please specify.	OPTIONAL: 1-hour average	OPTIONAL: % O2 correction (by volume, dry basis)
NEI SICE ID	concedon system (D)	A. CO_IO	426 427 428 429	CENS Sate (IIIII/du/yyyy)	(volue)	(anica)	201120120101 /9027	diy busis)	Specify.	Wilde for The	Lay volume, dry pasis)
			430 431 432 433								
			434 435 436 437								
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			442 443 444 445 446								
			447 448 449 450								
			451 452 453 454								
			426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 500								
			460 461 462 463								
			464 465 466 467								
			468 469 470 471								
			472 473 474 475 476								
			477 478 479 480								
			481 482 483 484								
			485 486 487 488								
			489 490 491 492 493								
			494 495 496 497								
			498 499 500 501								
			501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516								
			506 507 508 509								
			511 512 513 514								
			515 516 517								

NEI Site ID	Emission Unit ID (or	APCD ID	Hour	CEMS Date (mm/dd/man/)	CEMS Hour (24-hour clock) Hou (hh:mm) (val	urly Production Rate	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %02)	Was this data average affected by a condition o startup, shutdown, or walfunction? If yes,plear dry basis) specify.	e OPTIONAL: 1-hour average	OPTIONAL: % O2 correction (by volume, dry basis)
NCI SILE ID	collection system ID)	APCD_ID	Hour 518 519 520 521	CENS Date (IIIII/dd/yyyy)	(val	iuc,	(unics)	Corrected foll %O2)	ury ousisy specify.	Chilosion value (of 1R5	(by volume, dry basis)
			521 522 523 524 525								
			525 526 527 528 528								
			530 531 532								
			534 535 536 537								
			538 539 540 541								
			542 543 544 545								
			546 547 548 549								
			550 551 552 553								
			554 555 556 557								
			558 559 560 561								
			518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 533 534 533 534 533 534 535 536 537 538 539 540 541 542 543 544 545 554 555 556 557 558 559 560 561 562 563 554 555 556 557 558 559 560 561 562 563 564 565 567 568 569 570 571 572 573 574 575 578 578 579 580 581 582 583 584 585 586 587 577 578 578 579 580 581 582 583 584 585 586 587 588 589 590 591 591								
			567 568 569 570								
			571 572 573 574								
			575 576 577 578								
			579 580 581 582								
			583 584 585 586								
			587 588 589 590								
			591 592 593 594								
			593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608								
			600 601 602								
			603 604 605 606								
			607 608 609								

NEI Site ID	Emission Unit ID (or	ADCD ID	Hour	CEMS Date (mm/dd/ugg)	CEMS Hour (24-hour clock) H (hh:mm) (v	lourly Production Rate	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %O2)	Was this data average affected by a condition to startup, shutdown, or % O2 correction (by volume, malfunction? If yes,pled ty basis) specify.	e OPTIONAL: 1-hour average	OPTIONAL: % O2 correction (by volume, dry basis)
NEI Site ID	collection system ID)	APCD_ID	Hour 610 611 612	CENIS Date (MM/dd/yyyy)	(millin)	value)	(dilits)	corrected for %OZ)	и у иозіз) specify.	emission value (of 1KS	(by volume, dry basis)
			613 614 615 616								
			617 618 619 620								
			621 622 623 624								
			626 627 628								
			610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 644 645 647 648 649 650 651 652 653 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 675 676 677 678 679 680 681								
			634 635 636 637								
			638 639 640 641								
			642 643 644 645								
			646 647 648 649								
			650 651 652 653								
			654 655 656 657								
			658 659 660 661								
			662 663 664 665								
			666 667 668 669								
			670 671 672 673								
			674 675 676 677								
			679 680 681								
			685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700								
			691 692 693 694								
			695 696 697								
			699 700 701								

Emission Unit ID (or NEI Site ID collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for TRS (ppmdv corrected for %02)	% O2 correction (by volume,	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for TRS	OPTIONAL: % O2 correction (by volume, dry basis)
		702 703 704 705 706 707 708 709 710									
		711									
		712 713 714 715 716									
		717 718 719 720									

Untitled

TRS Hourly CEMS Data

2ev	ew	Dra	ft

Review Diair		
OMB Control No:	XXXX-XXXX	Did any of the responses (individual cells) you entered in this tab contain CBI?
Expiration Date:	xx/xx/xxxx	If yes, be sure to shade the CBI-containing cells red and follow the instructions in section C of the survey overview document for submitting CBI.

Worksheet Title: Opacity COMS Data

Facilities who have installed and operate a COMS to measure opacity to comply with the recovery furnace opacity requirement specified in §60.282(a)(1)(ii) [NSPS Subpart BB].

Who should complete Facilities with a kraft or soda recovery furnace or lime kiln equipped with an ESP, who have installed and operate a COMS to measure opacity to comply with the opacity monitoring requirements of §63.864(d)(3) and (4) [NESHAP Subpart MM].

		em (COMS) Data														
nstruction:	Provide for all entries. This should match the NEI Site ID used in all parts of your survey response.	Provide for all entries. This ID should match th ID provided in the PIII Equip detail tab.	Enter more than 1 APCD if needed (e.g., ESP1/WS1). The ID(s) you specify should e match other APCD_ID(s) provided in other parts of your survey response.				See the instruction document if production data are not available in this form.	n	Please enter the 6-minute ave	rage opacity v	alues for each hour (%).			OPTIONAL. Please enter the hourly average opacity for the hour (%) if this is a parameter calculated for your source.		If no, leave blank. If yo enter "startup," "shutdown," or "malfunction."
eld:				Opacity COM Hourly Dat	a Points From CY2009, 1	1/1/2009 - 12/31/2009				6-Minu	te Average Opacity Values					_
		Emission Unit ID (or			COMS Date	COMS Hour (24-hour	Hourly Production Rate	Hourly Production Rate		19-24	25-30	43-48 49-5	54 55-60	Hourly Average	Highest 6-min	Was this data average affected by a condition of startup, shutdown, o malfunction? If
	NEI Site ID	collection system ID)	APCD_ID	Hour	(mm/dd/yyyy)	clock) (hh:mm)	(value)	(units)	1-6 (%) 7-12 (%) 13-18	(%) (%)	(%) 31-36 (%) 37-42 (%)	(%) (%)		(%)	Highest 6-min average (%)	yes,please specify.
				Highest single 6-minute average opacity in CY2009 (under normal operating conditions)												
				Highest single 6-minute average opacity in CY2009 (under malfunction)												
				Highest single 6-minute average opacity in CY2009 (under conditions of startup or shutdown)												
				1 2 3												
				5 6 7												
				9 10 11 12												
				13 14 15 16												
				17 18 19 20												
				21 22 23 24												
				25 26 27 28												
				29 30 31 32 33												
				33 34 35 36 37												

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 50	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 25 (%) (	5-30 (%) 31-36 (%) 37-42 (%	43-48 49-5 6) (%) (%	54 55-60 ) (%)	Hourly Average (%)	Highest 6-min average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
			51 52 53 54 55 56												
			57 58 59 60 61 62												
			63 64 65 66 67 68												
			69 70 71 72 73 74												
			500 511 522 533 544 555 566 577 588 599 601 612 623 634 645 666 667 678 688 699 700 711 722 733 744 755 766 777 788 799 800 811 822 833 844 855 868 878 899 909 9192 929 933 949 959 969 970 971 980 991 901 902 903 904 905 905 906 907 907 908 909 909 909 909 909 909 909												
			82 83 84 85 86												
			88 89 90 91 92 93												
			94 95 96 97 98 99												
			100 101 102 103 104 105												
			107 108 109 110 111												
			112 113 114 115 116 117 118												
			119 120 121 122 123 124												
			119 120 121 122 123 124 125 126 127 128 129 130 131 132 133												
			131 132 133 134												

N	NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 25 (%) (%	5-30 %) 31-36 (%) 37-42 (%)	43-48 49-54 (%) (%)	1 55-60 (%)	Hourly Average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
				135 136 137 138 139 140											
				142 143 144 145 146											
				148 149 150 151 152 153											
				154 155 156 157 158 159											
				142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167											
				166 167 168 169 170 171											
				169 170 171 172 173 174 175 176 177 178											
				178 179 180 181 182 183 184 185											
				184 185 186 187 188 189											
				191 192 193 194 195											
				197 198 199 200 201											
				203 204 205 206 207 208											
				186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219											
				215 216 217 218 219											

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 220	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 25- (%) (%	-30 %) 31-36 (%) 37-42 (%)	13-48 49-54 (%) (%)	55-60 (%)	Hourly Average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
			220 221 222 223 224 225 226 227 228 229 230 231											
			227 228 229 230 231 232											
			233 234 235 236 237 238											
			232 233 234 235 236 237 238 239 240 241 242 243 244 245 246											
			245 246 247 248 249 250											
			251 252 253 254 255 256											
			248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270											
			264 265 266 267 268 269											
			271 272 273 274 275											
			276 277 278 279 280 281											
			282 283 284 285 286 287											
			289 290 291 292 293 294											
			278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304											
			301 302 303 304											

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 305	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 25 (%) ( <sup>6</sup>	5-30 %) 31-36 (%) 37-42 (%	43-48 49- 6) (%) (%	54 55-60 6) (%)	Hourly Average (%)	Highest 6-min average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
			305 306 307 308 309 310 311 312 313 314												
			312 313 314 315 316 317												
			318 319 320 321 322 323												
			324 325 326 327 328 329												
			330 331 332 333 334 335												
			336 337 338 339 340 341												
			316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354												
			349 350 351 352 353 354												
			355 356 357 358 359 360												
			356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371												
			368 369 370 371 372												
			373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388												
			380 381 382 383 384 385												
			386 387 388 389												

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 390	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 2 (%)	5-30 43-48 (%) 31-36 (%) 37-42 (%) (%)	49-54 55- (%) (%	60 Hourly Average	Highest 6-min average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
			390 391 392 393 394 395 396 397 398 399 400 401 402 403											
			397 398 399 400 401 402											
			403 404 405 406 407 408 409 410 411											
			410 411 412 413 414 415											
			416 417 418 419 420 421											
			416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431											
			432 433											
			434 435 436 437 438 439 440											
			441 442 443 444 445											
			446 447 448 449 450 451 452											
			452 452 453 454 455 456 457 458 458											
			459 460 461 462 463 464											
			460 461 462 463 464 465 466 467 468 469 470 471 472 473 474											
			471 472 473 474											

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 475	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 2 (%)	25-30 43-48 (%) 31-36 (%) 37-42 (%) (%)	49-54 55 (%) (9	60 Hourly Average	Highest 6-min average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes, please specify.
			476 477 478 479 480 481 482 483											
			482 483 484 485 486 487 488											
			489 490 491											
			495 496 497 498 499											
			492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 531 532 533 534 535 536 537 538 539 540 541 542 543 544											
			507 508 509 510 511 512											
			513 514 515 516 517 518											
			519 520 521 522 523 524											
			526 526 527 528 529 530											
			532 533 534 535 536 536											
			538 539 540 541 542 543											
			544 545 546 547 548 549											
			545 546 547 548 549 550 551 552 553 554 555 556 557 558											
			556 557 558 559											

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 560	COMS Date (mm/dd/yyyy)	COMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-6 (%) 7-12 (%) 13-18 (%)	19-24 2 (%)	25-30 43-48 (%) 31-36 (%) 37-42 (%) (%)	49-54 55- (%) (%	Hourly Average	Highest 6-min average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
			560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 591 592 593 594 595 596 600 601 602 603 604 605 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629											
			567 568 569 570 571 572											
			573 574 575 576 577 578											
			580 581 582 583 584											
			586 587 588 589 590 591											
			592 593 594 595 596 597											
			598 599 600 601 602 603											
			605 606 607 608 609											
			611 612 613 614 615											
			617 618 619 620 621 622											
			623 624 625 626 627 628											
			629 630 631 632 633 634											
			630 631 632 633 634 635 636 637 638 639 640 641 642 643											
			641 642 643 644											

Emission Unit ID (or NEI Site ID collection system ID) APCD_ID	COMS Date Hour (mm/dd/yyyy) 645	COMS Hour (24-hour Hourly Production Rate clock) (hh:mm) (value) Hourly Production Rate (units)	19-24 25-30 1-6 (%) 7-12 (%) 13-18 (%) (%) (%) 31-36 (%) 37-42 (%)	13-48 49-54 55-60 Hourly Average (%) Highest 6-min average (%)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.
	645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 672 673				
	652 653 654 655 656 656				
	658 659 660 661 662 663				
	665 666 667 668 669				
	671 672 673 674 675				
	677 678 679 680 681 682				
	683 684 685 686 687 688				
	689 690 691 692 693 694				
	695 696 697 698 699 700				
	701 702 703 704 705 706 707				
	678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 711 712 713 714 715 716 717 718				
	714 715 716 717 718 719				

OMB Control No:	xxxx-xxxx	Did any of the responses (individual cells) you entered in this tab contain CBI?
Expiration Date:	xx/xx/xxxx	If yes, be sure to shade the CBI-containing cells red and follow the instructions in section C of the survey overview document for submitting CBI.
Worksheet Pollutant:		

Worksheet Pollutant:													
Who should complete this spreadsheet?	Facilities who have installe	d and operate a CEMS to meas	sure emissions. You do not ne	eed to provide CEMS data for p	ower boilers unless the boiler has a CEMS ins	talled to show compliance with a NESH	IAP subpart S or NSPS subpart	t BB emission limit.					
Continuous Emissions N	Monitoring System (CEMS)	Data											
Instruction	should match the NEI Site	D ID should match the ID	Enter more than 1 APCD if needed (e.g., ESP1/WS1). The ID(s) you specify should match other APCD_ID(s) provided in other parts of your survey response.			See the instruction document if production d are not available in this form.	ata	Please enter concentration (ppmdv), corrected for %02 (e.g., 8% 02 for recovery furnaces; 10% 02 for lime kilns) if applicable.	The % O2 correction is by	If no, leave blank. If yes, 6 enter "startup," "shutdown, or "malfunction."	" OPTIONAL: Please enter CEM corrected for %O2 if needed	S data in alternative units	of measure that you specify,
Instruction: Field:	Survey response.	detail tab.	your survey response.	CEM Hourly Emission Data P	oints From CY2009, 1/1/2009 - 12/31/2009	101111		Killis, il applicable.	0. 1070).		CONTESTED TO THE COCC	Specify Units:	
										Was this data average affected by a condition of			
	NEI Site ID	Emission Unit ID (or	4000 ID		CEMS Hour (24-I	hour clock) Hourly Production Rate (value)	Hourly Production Rate (units)	value for (ppmdv corrected for %O2)	1 % O2 correction (by volume	startup, shutdown, or e, malfunction? If yes,please	OPTIONAL: 1-hour average emission value for		OPTIONAL: % O2 correction
	NEI Site ID	collection system ID)	APCD_ID	Highest single 1-hour	CEMS Date (mm/dd/yyyy) (hh:mm)	(value)	(units)	TOT %U2)	dry basis)	specify.	emission value for		(by volume, dry basis)
				average concentration in CY2009 (under normal operating conditions)									
				Highest single 1-hour average concentration in CY2009 (under malfunction)									
				Highest single 1-hour									
				average concentration in CY2009 (under conditions of startup or shutdown)									
				1 2 3									
				4 5 6									
				7 8 9									
				10 11 12									
				13 14 15									
				16 17									
				18 19 20									
				21 22 23									
				24 25 26									
				27 28 29									
				30 31 32									
				33 34									
				35 36 37									
				38 39 40									
				41 42 43									
				44 45 46									
				47 48 49									
				50 51									
				52 53 54									
				55 56 57									
				58 59									

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) Hourly Produ (hh:mm) (value)	ction Rate Hourly Production Rate (units)	1-hour average emission value for (ppmdv corrected % O2 cor for %O2) dry basis	Was this data average affected by a condition of startup, shutdown, or rrection (by volume, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTIONAL: % O2 correction (by volume, dry basis)
			60 61 62 63 64 65							
			60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 97 98 99 90 91 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 119 110 111 111 111 111 112 113 114 115 116 117 118 119 110 111 111 111 112 113 114 115 116 117 118 119 110 111 111 111 112 113 114 115 116 117 118 119 110 111 111 112 113 114 115 116 117 118 119 110 111 111 112 113 114 115 116 117 118 119 110 111 111 112 113 114 115 116 117 118 119 119 120 121 121 122 123 124 125 126 127 128 129 129 130 131 141 155 166 177 178 178 178 178 178 178 178 178 178							
			71 72 73 74 75 76							
			77 78 79 80 81							
			83 84 85 86 87							
			88 89 90 91 92 93							
			94 95 96 97 98							
			100 101 102 103 104							
			105 106 107 108 109							
			111 112 113 114 115 116							
			117 118 119 120 121							
			122 123 124 125 126 127							
			128 129 130 131 132							
			134 135 136 137 138 139 140 141 142 143 144 145 146 147 148							
			145 146 147 148 149							

Untitled

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 150	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) Hourly Production Rate (hh:mm) (value)	Hourly Production Rate (units)	1-hour average emission value for (ppmdv corrected for %02)	Was this data average affected by a condition of startup, shutdown, or tion (by volume, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTIONAL: % O2 correction (by volume, dry basis)
			151 152 153 154 155 156							
			157 158 159 160 161 162							
			164 165 166 167 168 169							
			170 171 172 173 174 175							
			176 177 178 179 180 181							
			183 184 185 186 187 188							
			189 190 191 192 193 194							
			195 196 197 198 199 200							
			202 203 204 205 206 207							
			208 209 210 211 212 213							
			150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 188 189 190 191 192 193 194 195 196 197 198 199 200 201 201 202 203 204 205 206 207 208 209 201 201 201 201 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 222							
			227 228 229 230 231 232							
			224 225 226 227 228 229 230 231 232 233 234 235 236 237 237 238							

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour 240	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) Hourly Production Rate (hh:mm) (value)	Hourly Production Rate (units)	1-hour average emission value for (ppmdv corrected % O2 correction (by vidry basis)	Was this data average affected by a condition of startup, shutdown, or olume, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTIONAL: % O2 correction (by volume, dry basis)
			241 242 243 244 245 246							
			247 248 249 250 251 252							
			254 255 256 257 258							
			260 261 262 263 264 265							
			266 267 268 269 270 271							
			272 273 274 275 276 277							
			278 279 280 281 282 283							
			285 286 287 288 289 290							
			291 292 293 294 295 296							
			297 298 299 300 301 302							
			240 241 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 278 279 280 281 282 283 284 285 286 289 290 291 281 282 283 284 285 286 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 311 312							
			314 315 316 317 318 319 320 321 322 323 324 325 326 327 328							
			322 323 324 325 326 327							

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	1-hour average emission value for (ppmdv corrected for %02)	% O2 correction (by volume, dry basis)	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTIONAL: % O2 correction (by volume, dry basis)
			330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402									
			336 337 338 339 340									
			341 342 343 344 345									
			346 347 348 349 350									
			351 352 353 354 355 356									
			357 358 359 360 361									
			362 363 364 365 366									
			368 369 370 371 372									
			373 374 375 376 377									
			378 379 380 381 382									
			384 385 386 387 388									
			389 390 391 392 393									
			394 395 396 397 398									
			400 401 402 403 404									
			404 405 406 407 408 409 410 411 412 413 414 415 416 417 418									
			410 411 412 413 414 415									
			416 417 418 419									

NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) Hourly Production Ra (hh:mm) (value)	te Hourly Production Rate (units)	1-hour average emission value for (ppmdv correct for %O2)	ed % O2 correction (by volun dry basis)	Was this data average affected by a condition of startup, shutdown, or ne, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTIONAL: % O2 correction (by volume, dry basis)
			420 421 422 423 424								
			425 426 427 428 429								
			431 432 433 434 435								
			436 437 438 439 440								
			441 442 443 444 445								
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	NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) Hourly Production Rat (hh:mm) (value)	e Hourly Production Rate (units)	1-hour average emission value for (ppmdv correcte for %O2)	ed % O2 correction (by volum dry basis)	Was this data average affected by a condition of startup, shutdown, or se, malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTIONAL: % O2 correction (by volume, dry basis)
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NEI Site ID	Emission Unit ID (or collection system ID)	APCD_ID	Hour	CEMS Date (mm/dd/yyyy)	CEMS Hour (24-hour clock) (hh:mm)	Hourly Production Rate (value)	Hourly Production Rate (units)	value for (ppmdv corrected % O2 correction (by volume	Was this data average affected by a condition of startup, shutdown, or malfunction? If yes,please specify.	OPTIONAL: 1-hour average emission value for	OPTION (by volu	AL: % O2 correctio ume, dry basis)
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OMB Control No:	XXXX-XXXX
Expiration Date:	xx/xx/xxxx

Did any of the responses (individual cells) you entered in this tab contain CBI?

If yes, be sure to shade the CBI-containing cells red and follow the instructions in section C of the survey overview document for submitting CBI.

Completion of this table is OPTIONAL.

Complete the table below for CEMS/COMS installed within approximately the last 10 years.

If any responses to the following questions are not known, please indicate UK (unknown) or NA (not available).

Follow instructions in section D5 of the survey overview document to populate this table

FOILOW ITISEL UCCIONS III SE	ection by or the survey overview a	ocument to populate this table									
Instruction:	Provide for all entries. This should match NEI Site ID used in other portions of your survey response.	Enter Emission Unit ID(s) monitored by the CEMS/COMS	the CEMS/COMS. Enter more than 1 APCD if needed (e.g.,	OPTIONAL: Please enter the capital costs for CEMS equipment installed within the past 10 years. Include in the equipment costs the pollutant analyzer/monitor, PLC, DAS, sampling system, and environmentally controlled shelter. Provide costs for each component of the CEMS separately if possible. Otherwise, provide the total cost for the CEMS.			Provide costs for each component of the CEMS separately if known.				
Survey overview											
reference:											
		Emission Unit ID (or			Pollutants monitored by the		Analyzer or monitor	Programable logic	Data acquisition system		Environmentally
Field:	NEI Site ID	collection system ID)	APCD_ID	Base year for capital costs provided (e.g., 2005)	CEMS/COMS	Total capital cost, \$	cost, \$	controller (PLC), \$	(DAS), \$	Sampling system, \$	controlled shelter, \$
Example entry:	9999	9 RF1	ESP1	2003	l opacity	12000	7000	12	00	1300	1000 1500
	9999	9 LVHC system	LK-1	2004	4 TRS	17500	UK	UK	UK	UK	UK