FIELD DATA & STRIP CHARTS

EMISSIONS TEST - SCAQMD Method 100.1

Date: 10/22/20

Job #: 220-113
Client #: 23022

**** Test Information ****

Client: New Indy
County: Ventura
Site(s): Oxnard, CA
Unit(s): Nebraska Boiler

**** Personnel ****

AIRx: KK/WH
Client: RL
APCD: -

Run Length:	21	Inlet ( )	Outlet(X)	Fuel ( )	HC's( )	
No. Points:	Single	S.T.(X)	E.I.( )	Data( )	H2S ( )	NH3 ( )

	Time	Baro.	Temp.	Weather.
Arrive:	6:30 AM	29.94	62	Clear
Depart:	3:30 PM	29.96	67	Clear

**** Instrument Information ****

Instrument	"On"	Unit#	Make/Model		
Outlet NOx:	1	3	API 200EH		
O2:	1	12	Servomex 1400		
Recorders:			Soltec 6 pin	10	cm/hr

**** Calibration Information ****

	Units	Zero	Span	Range	Gas Cyl.#	Gas Flow
NOx:	ppmv	0.0	20.2	50	CC724456	1.0
NOx:	ppmv	0.0	40.0	50	DT0028766	1.0
NO2:	ppmv	0.0	19.0	50	CC3240	1.0
O2:	%	0.0	3.98	10	CC60235	0.6
O2:	%	0.0	8.05	10	CC160530	0.6

**** Recorder Information ****

		Chanl.	Pen Type	Color
Outlet NOx:	ppmv	1	Cont.	Black
O2:	%	2	Cont.	Green

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 1
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	7:55 AM

NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
25.26	4.51	27.59	7:55
25.41	4.61	27.92	7:56
25.51	4.54	27.91	7:57
25.24	4.64	27.79	7:58
25.21	4.47	27.47	7:59
25.00	4.48	27.25	8:00
25.09	4.62	27.59	8:01
24.87	4.33	26.87	8:02
24.88	4.54	27.22	8:03
25.13	4.66	27.70	8:04
24.97	4.39	27.07	8:05
24.92	4.25	26.79	8:06
25.27	4.48	27.55	8:07
25.22	4.37	27.31	8:08
25.11	4.30	27.08	8:09
25.25	4.28	27.19	8:10
25.29	4.51	27.62	8:11
25.04	4.70	27.67	8:12
25.03	4.50	27.32	8:13
25.28	4.49	27.58	8:14
25.06	4.48	27.32	8:15
24.97	4.87	27.88	8:16
25.14	**4.50**	**27.44**	**Averages**

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 2
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	8:17 AM
NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
24.70	4.35	26.71	8:17
24.73	4.49	26.98	8:18
24.74	4.83	27.56	8:19
24.58	4.46	26.76	8:20
24.41	4.45	26.56	8:21
24.55	4.42	26.67	8:22
24.57	4.44	26.72	8:23
24.54	4.43	26.67	8:24
24.44	4.89	27.33	8:25
24.22	4.67	26.71	8:26
24.34	4.36	26.34	8:27
24.56	4.73	27.19	8:28
24.49	4.34	26.47	8:29
24.47	4.33	26.43	8:30
24.68	4.44	26.84	8:31
24.53	4.68	27.07	8:32
24.42	4.25	26.25	8:33
24.48	4.34	26.46	8:34
24.64	4.77	27.34	8:35
24.47	4.32	26.42	8:36
24.54	4.42	26.65	8:37
24.52	4.66	27.03	8:38
24.53	**4.50**	**26.78**	**Averages**

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 3
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	8:38 AM
NOx, ppm	O2, %	NOx, ppm @ 3% O2	Time
24.52	4.66	27.03	8:38
24.39	4.25	26.22	8:39
24.57	4.43	26.70	8:40
24.70	4.77	27.41	8:41
24.51	4.07	26.07	8:42
24.52	4.67	27.04	8:43
24.42	4.54	26.72	8:44
24.21	4.22	25.98	8:45
24.45	4.21	26.22	8:46
24.65	4.72	27.27	8:47
24.50	4.50	26.74	8:48
24.38	4.46	26.55	8:49
24.67	4.34	26.67	8:50
24.66	4.74	27.32	8:51
24.29	4.26	26.13	8:52
24.29	4.31	26.21	8:53
24.43	4.74	27.06	8:54
24.24	4.39	26.28	8:55
24.11	4.37	26.11	8:56
24.48	4.54	26.78	8:57
24.47	4.69	27.02	8:58
24.16	4.38	26.18	8:59
24.44	**4.47**	**26.62**	**Averages**

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 4
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	9:15 AM

NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
24.28	4.21	26.04	9:15
24.39	4.54	26.69	9:16
24.30	4.51	26.54	9:17
24.21	4.36	26.20	9:18
24.41	4.48	26.61	9:19
24.42	4.55	26.74	9:20
24.30	4.33	26.25	9:21
24.52	4.48	26.73	9:22
24.53	4.65	27.02	9:23
24.39	4.08	25.96	9:24
24.44	4.61	26.86	9:25
24.30	4.51	26.54	9:26
24.19	4.08	25.74	9:27
24.42	4.97	27.44	9:28
24.54	4.49	26.77	9:29
24.53	4.35	26.53	9:30
24.90	4.28	26.82	9:31
25.22	4.22	27.06	9:32
25.22	5.16	28.68	9:33
24.75	4.71	27.36	9:34
24.48	4.27	26.35	9:35
24.92	4.47	27.15	9:36
24.53	**4.47**	**26.73**	**Averages**

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 5
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	9:37 AM
NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
25.07	4.92	28.08	9:37
25.02	4.24	26.88	9:38
25.09	4.48	27.35	9:39
25.12	4.86	28.03	9:40
24.92	4.18	26.68	9:41
25.02	4.55	27.39	9:42
25.04	4.84	27.91	9:43
24.83	4.18	26.58	9:44
24.83	4.78	27.57	9:45
24.79	4.81	27.58	9:46
24.58	4.24	26.41	9:47
24.77	4.53	27.09	9:48
24.87	5.00	28.00	9:49
24.75	4.39	26.83	9:50
24.88	4.17	26.62	9:51
25.33	4.65	27.90	9:52
25.42	4.06	27.02	9:53
25.55	3.88	26.87	9:54
25.85	4.40	28.04	9:55
25.71	4.79	28.57	9:56
25.32	4.40	27.47	9:57
25.19	4.56	27.59	9:58
25.09	**4.50**	**27.39**	**Averages**

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 6
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	9:59 AM

NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
25.21	5.05	28.47	9:59
25.01	4.29	26.95	10:00
25.01	4.64	27.53	10:01
24.96	4.75	27.66	10:02
24.90	3.98	26.34	10:03
25.21	4.43	27.40	10:04
25.19	4.51	27.51	10:05
24.90	4.07	26.48	10:06
24.97	4.62	27.45	10:07
24.96	4.69	27.56	10:08
24.66	4.07	26.23	10:09
24.71	4.41	26.82	10:10
24.81	4.86	27.69	10:11
24.61	4.37	26.65	10:12
24.60	4.12	26.24	10:13
24.77	4.82	27.57	10:14
24.55	4.70	27.13	10:15
24.25	4.33	26.20	10:16
24.33	4.35	26.31	10:17
24.43	4.60	26.83	10:18
24.34	4.81	27.08	10:19
24.44	4.15	26.12	10:20
24.76	**4.48**	**27.01**	**Averages**

CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 7
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	10:35 AM
NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
24.49	4.16	26.19	10:35
24.63	4.81	27.40	10:36
25.44	4.67	28.06	10:37
25.90	4.14	27.66	10:38
26.18	4.80	29.11	10:39
26.21	4.53	28.66	10:40
26.19	4.11	27.92	10:41
26.32	4.89	29.43	10:42
26.09	4.77	28.95	10:43
25.88	4.37	28.02	10:44
26.22	4.40	28.44	10:45
26.25	5.18	29.89	10:46
25.98	4.48	28.32	10:47
25.93	4.44	28.20	10:48
26.23	4.79	29.14	10:49
26.06	4.76	28.90	10:50
25.85	4.10	27.54	10:51
26.09	4.47	28.42	10:52
26.13	4.81	29.07	10:53
25.96	4.43	28.21	10:54
25.82	4.44	28.08	10:55
25.92	4.45	28.20	10:56
25.90	**4.55**	**28.36**	**Averages**

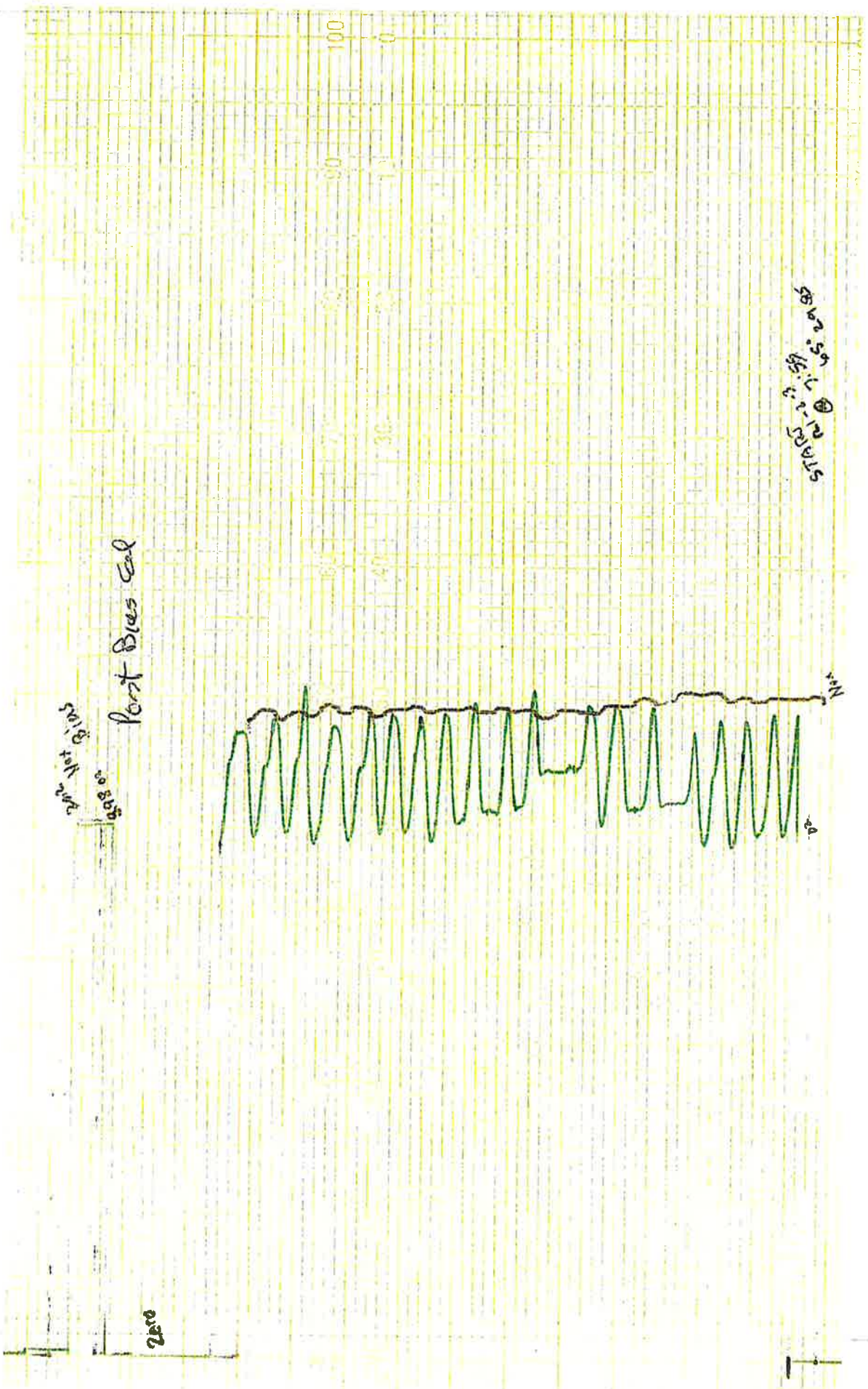
CLIENT:	New-Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 8
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	10:57 AM

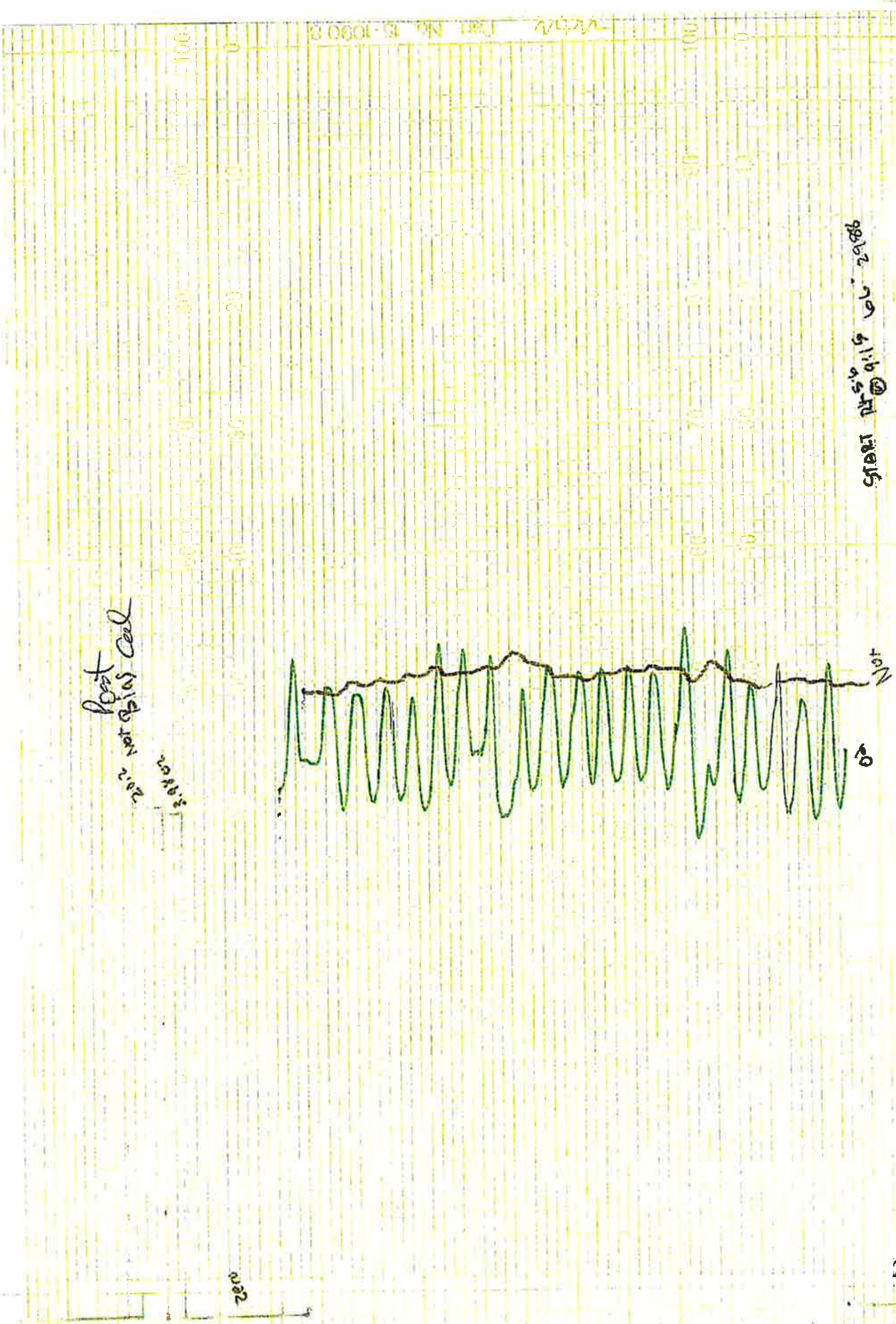
NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
25.91	4.45	28.19	10:57
25.99	4.68	28.68	10:58
25.84	4.72	28.59	10:59
25.87	4.27	27.85	11:00
26.08	4.72	28.85	11:01
26.13	4.71	28.89	11:02
25.98	4.17	27.80	11:03
26.09	4.71	28.85	11:04
25.95	4.70	28.67	11:05
25.73	4.07	27.37	11:06
25.98	4.29	28.00	11:07
26.08	4.70	28.82	11:08
25.83	4.63	28.42	11:09
25.67	4.44	27.92	11:10
25.70	4.11	27.40	11:11
25.89	4.42	28.12	11:12
26.00	4.69	28.71	11:13
25.97	4.63	28.57	11:14
25.88	4.42	28.11	11:15
25.81	4.30	27.83	11:16
25.77	4.29	27.77	11:17
25.88	4.43	28.13	11:18
25.91	**4.48**	**28.25**	**Averages**

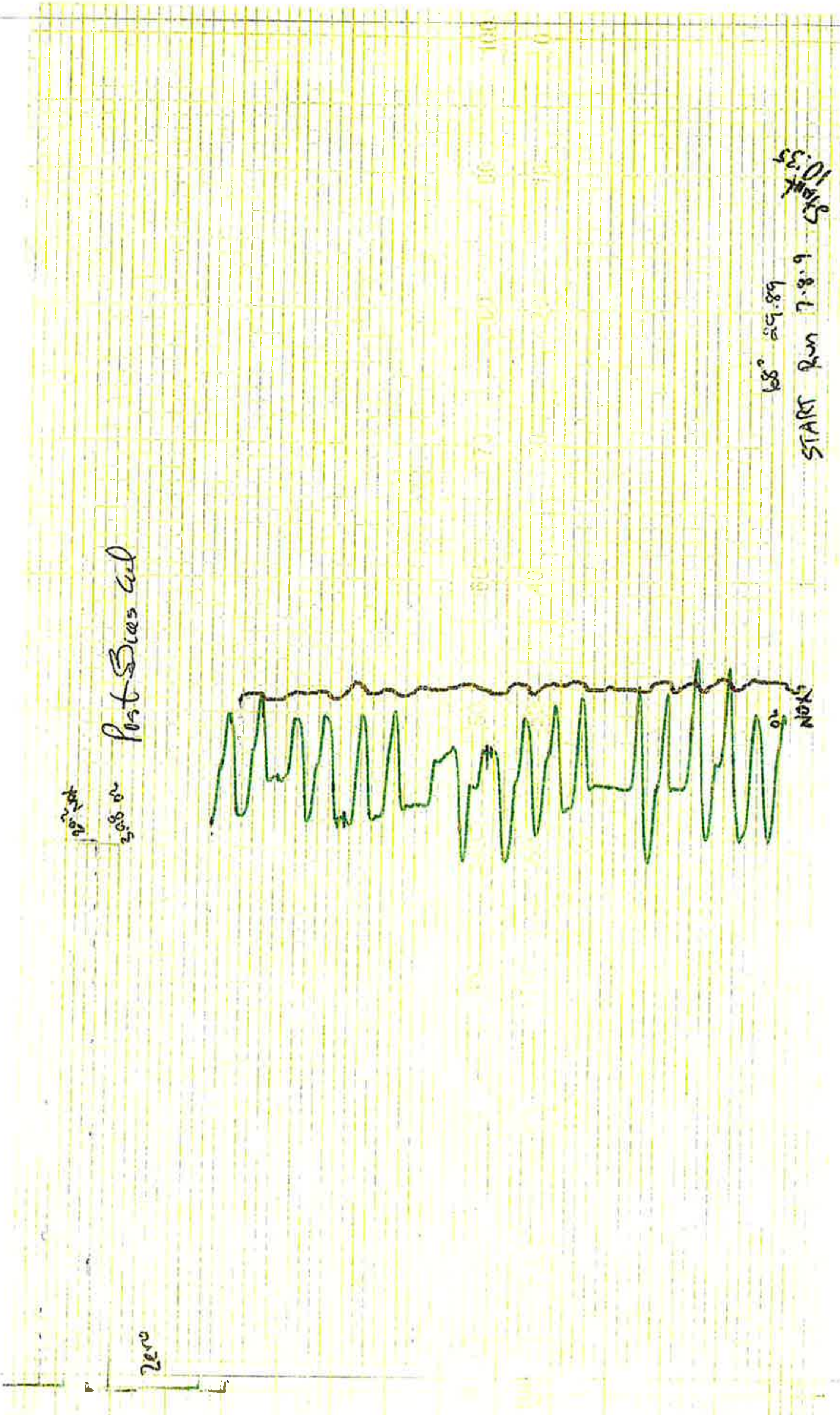
CLIENT:	New Indy	JOB#	220-113
PLANT:	Oxnard, CA	RUN#	RATA 9
DATE:	10/22/2020	UNIT ID:	Nebraska Boiler
ENGINEER:	KK/WH	RUN START:	11:19 AM

NOx, ppm	O2, %	NOx, ppm @ 3% O2	TIME
25.81	4.85	28.78	11:19
25.53	4.28	27.50	11:20
25.59	4.21	27.45	11:21
25.80	4.81	28.70	11:23
25.64	4.43	27.87	11:24
25.59	4.18	27.40	11:25
25.89	4.22	27.78	11:26
25.98	4.85	28.97	11:27
25.56	4.69	28.22	11:28
25.35	4.25	27.25	11:29
25.63	4.74	28.39	11:30
25.61	4.77	28.42	11:31
25.57	4.47	27.86	11:32
25.62	4.48	27.93	11:33
25.50	4.74	28.25	11:34
25.31	4.84	28.21	11:35
25.28	4.30	27.26	11:36
25.45	4.30	27.44	11:37
25.55	4.88	28.55	11:38
25.45	4.50	27.78	11:39
25.32	4.13	27.03	11:40
25.51	4.11	27.20	11:41
25.57	**4.50**	**27.92**	**Averages**


Part No. 15-1090
Down 57 sec
Up 58 sec
40.0 NOX
Down 58 sec
Up 60 sec
40.0 NOX
Down 56 sec
Up 59 sec
40.0 NOX
Down 46 sec
8.05 O2
Up 48 sec
Down 46 sec
8.05 O2
Up 46 sec
Down 45 sec
8.05 O2
Up 47 sec
Response times
20.2 NOX
3.98 O2 Bias
Initial Bias Cal
Bias zero
19.01 NO2
NO2 → NO conversion
40.0
DT0028765
20.2 NOX
CC734456
8.05 O2
CC160530
3.98 O2
CC60235
ZERO
Initial Internal Linearity Cal
New INDY
64° 29.95
22.0
10.22.20


Post Bias Coil
Zero


NOx
O2
Post Test Bias Cal
zero


START Run 7.8.9
Start 10:35
Post Bias Cal
Zero

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 7:59 10/22/2020 8:17 1 m

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 07:55:00	30.70	22-Oct-20 07:55:00	27.74	22-Oct-20 07:55:00	4.73	22-Oct-20 07:55:00	76,986
22-Oct-20 07:56:00	31.35	22-Oct-20 07:56:00	28.45	22-Oct-20 07:56:00	4.66	22-Oct-20 07:56:00	75,144
22-Oct-20 07:57:00	31.78	22-Oct-20 07:57:00	27.98	22-Oct-20 07:57:00	5.14	22-Oct-20 07:57:00	73,297
22-Oct-20 07:58:00	31.14	22-Oct-20 07:58:00	28.12	22-Oct-20 07:58:00	4.73	22-Oct-20 07:58:00	77,398
22-Oct-20 07:59:00	31.20	22-Oct-20 07:59:00	28.45	22-Oct-20 07:59:00	4.65	22-Oct-20 07:59:00	75,282
22-Oct-20 08:00:00	31.02	22-Oct-20 08:00:00	27.38	22-Oct-20 08:00:00	5.10	22-Oct-20 08:00:00	73,422
22-Oct-20 08:01:00	31.35	22-Oct-20 08:01:00	28.15	22-Oct-20 08:01:00	4.82	22-Oct-20 08:01:00	76,848
22-Oct-20 08:02:00	31.32	22-Oct-20 08:02:00	28.54	22-Oct-20 08:02:00	4.59	22-Oct-20 08:02:00	76,823
22-Oct-20 08:03:00	31.52	22-Oct-20 08:03:00	27.98	22-Oct-20 08:03:00	5.01	22-Oct-20 08:03:00	74,436
22-Oct-20 08:04:00	31.39	22-Oct-20 08:04:00	28.22	22-Oct-20 08:04:00	4.80	22-Oct-20 08:04:00	76,347
22-Oct-20 08:05:00	31.45	22-Oct-20 08:05:00	28.39	22-Oct-20 08:05:00	4.74	22-Oct-20 08:05:00	76,412
22-Oct-20 08:06:00	30.64	22-Oct-20 08:06:00	27.66	22-Oct-20 08:06:00	4.74	22-Oct-20 08:06:00	76,426
22-Oct-20 08:07:00	31.43	22-Oct-20 08:07:00	28.20	22-Oct-20 08:07:00	4.84	22-Oct-20 08:07:00	73,747
22-Oct-20 08:08:00	31.26	22-Oct-20 08:08:00	27.71	22-Oct-20 08:08:00	5.03	22-Oct-20 08:08:00	75,408
22-Oct-20 08:09:00	30.94	22-Oct-20 08:09:00	28.03	22-Oct-20 08:09:00	4.68	22-Oct-20 08:09:00	76,648
22-Oct-20 08:10:00	31.45	22-Oct-20 08:10:00	28.50	22-Oct-20 08:10:00	4.68	22-Oct-20 08:10:00	76,530
22-Oct-20 08:11:00	31.65	22-Oct-20 08:11:00	28.22	22-Oct-20 08:11:00	4.94	22-Oct-20 08:11:00	72,891
22-Oct-20 08:12:00	31.32	22-Oct-20 08:12:00	27.43	22-Oct-20 08:12:00	5.22	22-Oct-20 08:12:00	73,471
22-Oct-20 08:13:00	31.17	22-Oct-20 08:13:00	28.11	22-Oct-20 08:13:00	4.76	22-Oct-20 08:13:00	76,889
22-Oct-20 08:14:00	31.64	22-Oct-20 08:14:00	28.18	22-Oct-20 08:14:00	4.95	22-Oct-20 08:14:00	72,682
22-Oct-20 08:15:00	31.83	22-Oct-20 08:15:00	27.94	22-Oct-20 08:15:00	5.19	22-Oct-20 08:15:00	73,606
22-Oct-20 08:16:00	31.27	22-Oct-20 08:16:00	27.94	22-Oct-20 08:16:00	4.94	22-Oct-20 08:16:00	74,814
Average Stack NOx, ppm (3% O2)	**31.31**	**Average Stack Raw NOx, ppm**	**28.06**	**Average Stack O2 (%)**	**4.86**	**Average Gas Flow (SCFH)**	**75,250**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 8:17 10/22/2020 8:39 1 m

Rata 2

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI381.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 08:17:00	31.51	22-Oct-20 08:17:00	28.15	22-Oct-20 08:17:00	4.91	22-Oct-20 08:17:00	74,879
22-Oct-20 08:18:00	31.58	22-Oct-20 08:18:00	28.33	22-Oct-20 08:18:00	4.84	22-Oct-20 08:18:00	74,841
22-Oct-20 08:19:00	31.13	22-Oct-20 08:19:00	27.81	22-Oct-20 08:19:00	4.91	22-Oct-20 08:19:00	74,889
22-Oct-20 08:20:00	31.53	22-Oct-20 08:20:00	28.21	22-Oct-20 08:20:00	4.88	22-Oct-20 08:20:00	73,752
22-Oct-20 08:21:00	31.93	22-Oct-20 08:21:00	27.91	22-Oct-20 08:21:00	5.25	22-Oct-20 08:21:00	71,951
22-Oct-20 08:22:00	31.22	22-Oct-20 08:22:00	28.03	22-Oct-20 08:22:00	4.82	22-Oct-20 08:22:00	75,453
22-Oct-20 08:23:00	31.49	22-Oct-20 08:23:00	28.35	22-Oct-20 08:23:00	4.78	22-Oct-20 08:23:00	73,719
22-Oct-20 08:24:00	31.49	22-Oct-20 08:24:00	27.68	22-Oct-20 08:24:00	5.16	22-Oct-20 08:24:00	73,268
22-Oct-20 08:25:00	30.95	22-Oct-20 08:25:00	27.99	22-Oct-20 08:25:00	4.71	22-Oct-20 08:25:00	76,002
22-Oct-20 08:26:00	31.36	22-Oct-20 08:26:00	28.40	22-Oct-20 08:26:00	4.69	22-Oct-20 08:26:00	75,978
22-Oct-20 08:27:00	31.35	22-Oct-20 08:27:00	28.10	22-Oct-20 08:27:00	4.85	22-Oct-20 08:27:00	72,854
22-Oct-20 08:28:00	31.16	22-Oct-20 08:28:00	27.47	22-Oct-20 08:28:00	5.12	22-Oct-20 08:28:00	73,992
22-Oct-20 08:29:00	30.91	22-Oct-20 08:29:00	28.06	22-Oct-20 08:29:00	4.65	22-Oct-20 08:29:00	76,249
22-Oct-20 08:30:00	31.14	22-Oct-20 08:30:00	28.06	22-Oct-20 08:30:00	4.78	22-Oct-20 08:30:00	73,306
22-Oct-20 08:31:00	31.72	22-Oct-20 08:31:00	27.91	22-Oct-20 08:31:00	5.20	22-Oct-20 08:31:00	72,606
22-Oct-20 08:32:00	30.91	22-Oct-20 08:32:00	28.01	22-Oct-20 08:32:00	4.68	22-Oct-20 08:32:00	76,631
22-Oct-20 08:33:00	31.09	22-Oct-20 08:33:00	27.94	22-Oct-20 08:33:00	4.81	22-Oct-20 08:33:00	72,704
22-Oct-20 08:34:00	31.19	22-Oct-20 08:34:00	27.52	22-Oct-20 08:34:00	5.10	22-Oct-20 08:34:00	73,577
22-Oct-20 08:35:00	31.08	22-Oct-20 08:35:00	28.12	22-Oct-20 08:35:00	4.71	22-Oct-20 08:35:00	76,515
22-Oct-20 08:36:00	31.34	22-Oct-20 08:36:00	28.16	22-Oct-20 08:36:00	4.82	22-Oct-20 08:36:00	72,892
22-Oct-20 08:37:00	31.68	22-Oct-20 08:37:00	27.74	22-Oct-20 08:37:00	5.19	22-Oct-20 08:37:00	72,481
22-Oct-20 08:38:00	30.82	22-Oct-20 08:38:00	27.86	22-Oct-20 08:38:00	4.72	22-Oct-20 08:38:00	76,153
Average Stack NOx, ppm (3% O2)	**31.30**	**Average Stack Raw NOx, ppm**	**27.99**	**Average Stack O2 (%)**	**4.89**	**Average Gas Flow (SCFH)**	**74,304**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 8:39 10/22/2020 9:01 1 m Rata 3

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 08:39:00	31.21	22-Oct-20 08:39:00	27.84	22-Oct-20 08:39:00	4.93	22-Oct-20 08:39:00	71,957
22-Oct-20 08:40:00	30.88	22-Oct-20 08:40:00	27.39	22-Oct-20 08:40:00	5.01	22-Oct-20 08:40:00	73,901
22-Oct-20 08:41:00	30.67	22-Oct-20 08:41:00	27.52	22-Oct-20 08:41:00	4.83	22-Oct-20 08:41:00	76,200
22-Oct-20 08:42:00	31.50	22-Oct-20 08:42:00	28.57	22-Oct-20 08:42:00	4.67	22-Oct-20 08:42:00	75,139
22-Oct-20 08:43:00	31.60	22-Oct-20 08:43:00	27.93	22-Oct-20 08:43:00	5.08	22-Oct-20 08:43:00	72,002
22-Oct-20 08:44:00	31.41	22-Oct-20 08:44:00	27.74	22-Oct-20 08:44:00	5.09	22-Oct-20 08:44:00	73,861
22-Oct-20 08:45:00	31.07	22-Oct-20 08:45:00	28.06	22-Oct-20 08:45:00	4.73	22-Oct-20 08:45:00	76,946
22-Oct-20 08:46:00	31.15	22-Oct-20 08:46:00	28.26	22-Oct-20 08:46:00	4.66	22-Oct-20 08:46:00	74,001
22-Oct-20 08:47:00	31.99	22-Oct-20 08:47:00	27.91	22-Oct-20 08:47:00	5.28	22-Oct-20 08:47:00	72,254
22-Oct-20 08:48:00	31.04	22-Oct-20 08:48:00	27.88	22-Oct-20 08:48:00	4.86	22-Oct-20 08:48:00	75,541
22-Oct-20 08:49:00	30.68	22-Oct-20 08:49:00	27.97	22-Oct-20 08:49:00	4.81	22-Oct-20 08:49:00	74,787
22-Oct-20 08:50:00	31.17	22-Oct-20 08:50:00	27.56	22-Oct-20 08:50:00	5.08	22-Oct-20 08:50:00	72,038
22-Oct-20 08:51:00	30.83	22-Oct-20 08:51:00	27.50	22-Oct-20 08:51:00	4.94	22-Oct-20 08:51:00	74,278
22-Oct-20 08:52:00	31.14	22-Oct-20 08:52:00	28.21	22-Oct-20 08:52:00	4.68	22-Oct-20 08:52:00	76,606
22-Oct-20 08:53:00	31.26	22-Oct-20 08:53:00	28.05	22-Oct-20 08:53:00	4.81	22-Oct-20 08:53:00	72,852
22-Oct-20 08:54:00	31.45	22-Oct-20 08:54:00	27.78	22-Oct-20 08:54:00	5.09	22-Oct-20 08:54:00	71,842
22-Oct-20 08:55:00	31.00	22-Oct-20 08:55:00	27.53	22-Oct-20 08:55:00	5.01	22-Oct-20 08:55:00	73,818
22-Oct-20 08:56:00	30.89	22-Oct-20 08:56:00	28.11	22-Oct-20 08:56:00	4.62	22-Oct-20 08:56:00	76,564
22-Oct-20 08:57:00	31.24	22-Oct-20 08:57:00	27.89	22-Oct-20 08:57:00	4.92	22-Oct-20 08:57:00	72,341
22-Oct-20 08:58:00	30.50	22-Oct-20 08:58:00	27.16	22-Oct-20 08:58:00	4.96	22-Oct-20 08:58:00	75,102
22-Oct-20 08:59:00	31.23	22-Oct-20 08:59:00	28.37	22-Oct-20 08:59:00	4.64	22-Oct-20 08:59:00	76,927
22-Oct-20 09:00:00	31.51	22-Oct-20 09:00:00	28.63	22-Oct-20 09:00:00	4.64	22-Oct-20 09:00:00	76,969
Average Stack NOx, ppm (3% O2)	**31.16**	**Average Stack Raw NOx, ppm**	**27.90**	**Average Stack O2 (%)**	**4.87**	**Average Gas Flow (SCFH)**	**74,360**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 9:16 10/22/2020 9:37 1 m Rata 4

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 09:15:00	30.43	22-Oct-20 09:15:00	27.89	22-Oct-20 09:15:00	4.49	22-Oct-20 09:15:00	75,454
22-Oct-20 09:16:00	30.94	22-Oct-20 09:16:00	27.50	22-Oct-20 09:16:00	4.99	22-Oct-20 09:16:00	72,222
22-Oct-20 09:17:00	30.61	22-Oct-20 09:17:00	27.28	22-Oct-20 09:17:00	4.94	22-Oct-20 09:17:00	75,513
22-Oct-20 09:18:00	30.95	22-Oct-20 09:18:00	28.29	22-Oct-20 09:18:00	4.54	22-Oct-20 09:18:00	76,541
22-Oct-20 09:19:00	31.46	22-Oct-20 09:19:00	27.86	22-Oct-20 09:19:00	5.05	22-Oct-20 09:19:00	71,364
22-Oct-20 09:20:00	30.66	22-Oct-20 09:20:00	27.29	22-Oct-20 09:20:00	4.97	22-Oct-20 09:20:00	74,975
22-Oct-20 09:21:00	30.74	22-Oct-20 09:21:00	27.95	22-Oct-20 09:21:00	4.62	22-Oct-20 09:21:00	75,189
22-Oct-20 09:22:00	30.94	22-Oct-20 09:22:00	27.32	22-Oct-20 09:22:00	5.10	22-Oct-20 09:22:00	71,781
22-Oct-20 09:23:00	30.61	22-Oct-20 09:23:00	27.25	22-Oct-20 09:23:00	4.96	22-Oct-20 09:23:00	75,915
22-Oct-20 09:24:00	31.28	22-Oct-20 09:24:00	28.20	22-Oct-20 09:24:00	4.77	22-Oct-20 09:24:00	73,909
22-Oct-20 09:25:00	31.07	22-Oct-20 09:25:00	27.17	22-Oct-20 09:25:00	5.24	22-Oct-20 09:25:00	71,896
22-Oct-20 09:26:00	30.61	22-Oct-20 09:26:00	27.52	22-Oct-20 09:26:00	4.81	22-Oct-20 09:26:00	75,792
22-Oct-20 09:27:00	30.56	22-Oct-20 09:27:00	27.78	22-Oct-20 09:27:00	4.63	22-Oct-20 09:27:00	76,657
22-Oct-20 09:28:00	30.38	22-Oct-20 09:28:00	27.90	22-Oct-20 09:28:00	4.46	22-Oct-20 09:28:00	81,475
22-Oct-20 09:29:00	30.77	22-Oct-20 09:29:00	28.00	22-Oct-20 09:29:00	4.57	22-Oct-20 09:29:00	75,213
22-Oct-20 09:30:00	30.70	22-Oct-20 09:30:00	26.68	22-Oct-20 09:30:00	5.35	22-Oct-20 09:30:00	71,165
22-Oct-20 09:31:00	30.77	22-Oct-20 09:31:00	27.34	22-Oct-20 09:31:00	4.97	22-Oct-20 09:31:00	75,404
22-Oct-20 09:32:00	30.91	22-Oct-20 09:32:00	28.09	22-Oct-20 09:32:00	4.63	22-Oct-20 09:32:00	76,962
22-Oct-20 09:33:00	32.13	22-Oct-20 09:33:00	28.70	22-Oct-20 09:33:00	4.92	22-Oct-20 09:33:00	73,269
22-Oct-20 09:34:00	30.99	22-Oct-20 09:34:00	27.21	22-Oct-20 09:34:00	5.18	22-Oct-20 09:34:00	73,971
22-Oct-20 09:35:00	30.81	22-Oct-20 09:35:00	27.91	22-Oct-20 09:35:00	4.69	22-Oct-20 09:35:00	76,657
22-Oct-20 09:36:00	31.33	22-Oct-20 09:36:00	28.08	22-Oct-20 09:36:00	4.86	22-Oct-20 09:36:00	73,084
Average Stack NOx, ppm (3% O2)	**30.89**	**Average Stack Raw NOx, ppm**	**27.69**	**Average Stack O2 (%)**	**4.85**	**Average Gas Flow (SCFH)**	**74,746**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 9:37 10/22/2020 9:59 1 m Rata 5

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 09:37:00	31.09	22-Oct-20 09:37:00	27.40	22-Oct-20 09:37:00	5.13	22-Oct-20 09:37:00	74,379
22-Oct-20 09:38:00	30.45	22-Oct-20 09:38:00	27.65	22-Oct-20 09:38:00	4.64	22-Oct-20 09:38:00	76,551
22-Oct-20 09:39:00	30.69	22-Oct-20 09:39:00	27.39	22-Oct-20 09:39:00	4.93	22-Oct-20 09:39:00	72,851
22-Oct-20 09:40:00	30.66	22-Oct-20 09:40:00	26.95	22-Oct-20 09:40:00	5.16	22-Oct-20 09:40:00	74,537
22-Oct-20 09:41:00	30.41	22-Oct-20 09:41:00	27.65	22-Oct-20 09:41:00	4.63	22-Oct-20 09:41:00	76,073
22-Oct-20 09:42:00	31.05	22-Oct-20 09:42:00	27.55	22-Oct-20 09:42:00	5.01	22-Oct-20 09:42:00	72,108
22-Oct-20 09:43:00	30.95	22-Oct-20 09:43:00	27.32	22-Oct-20 09:43:00	5.10	22-Oct-20 09:43:00	74,168
22-Oct-20 09:44:00	30.28	22-Oct-20 09:44:00	27.39	22-Oct-20 09:44:00	4.70	22-Oct-20 09:44:00	76,834
22-Oct-20 09:45:00	30.82	22-Oct-20 09:45:00	27.64	22-Oct-20 09:45:00	4.85	22-Oct-20 09:45:00	73,172
22-Oct-20 09:46:00	31.06	22-Oct-20 09:46:00	27.08	22-Oct-20 09:46:00	5.29	22-Oct-20 09:46:00	72,343
22-Oct-20 09:47:00	30.10	22-Oct-20 09:47:00	27.09	22-Oct-20 09:47:00	4.86	22-Oct-20 09:47:00	76,135
22-Oct-20 09:48:00	30.47	22-Oct-20 09:48:00	27.75	22-Oct-20 09:48:00	4.60	22-Oct-20 09:48:00	75,698
22-Oct-20 09:49:00	30.35	22-Oct-20 09:49:00	27.03	22-Oct-20 09:49:00	4.96	22-Oct-20 09:49:00	74,167
22-Oct-20 09:50:00	30.21	22-Oct-20 09:50:00	27.60	22-Oct-20 09:50:00	4.55	22-Oct-20 09:50:00	78,060
22-Oct-20 09:51:00	30.62	22-Oct-20 09:51:00	28.19	22-Oct-20 09:51:00	4.42	22-Oct-20 09:51:00	79,171
22-Oct-20 09:52:00	30.73	22-Oct-20 09:52:00	27.86	22-Oct-20 09:52:00	4.67	22-Oct-20 09:52:00	74,936
22-Oct-20 09:53:00	30.95	22-Oct-20 09:53:00	27.13	22-Oct-20 09:53:00	5.21	22-Oct-20 09:53:00	74,718
22-Oct-20 09:54:00	30.47	22-Oct-20 09:54:00	27.45	22-Oct-20 09:54:00	4.76	22-Oct-20 09:54:00	75,905
22-Oct-20 09:55:00	30.49	22-Oct-20 09:55:00	27.39	22-Oct-20 09:55:00	4.79	22-Oct-20 09:55:00	74,167
22-Oct-20 09:56:00	31.04	22-Oct-20 09:56:00	27.05	22-Oct-20 09:56:00	5.30	22-Oct-20 09:56:00	71,952
22-Oct-20 09:57:00	30.67	22-Oct-20 09:57:00	27.45	22-Oct-20 09:57:00	4.88	22-Oct-20 09:57:00	76,308
22-Oct-20 09:58:00	29.56	22-Oct-20 09:58:00	26.67	22-Oct-20 09:58:00	4.75	22-Oct-20 09:58:00	75,337
Average Stack NOx, ppm (3% O2)	**30.60**	**Average Stack Raw NOx, ppm**	**27.39**	**Average Stack O2 (%)**	**4.87**	**Average Gas Flow (SCFH)**	**74,981**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 9:59 10/22/2020 10:21 1 m

Rata 6

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 09:59:00	30.75	22-Oct-20 09:59:00	26.93	22-Oct-20 09:59:00	5.22	22-Oct-20 09:59:00	73,330
22-Oct-20 10:00:00	30.00	22-Oct-20 10:00:00	27.42	22-Oct-20 10:00:00	4.54	22-Oct-20 10:00:00	76,736
22-Oct-20 10:01:00	30.46	22-Oct-20 10:01:00	27.70	22-Oct-20 10:01:00	4.62	22-Oct-20 10:01:00	73,893
22-Oct-20 10:02:00	30.07	22-Oct-20 10:02:00	26.83	22-Oct-20 10:02:00	4.93	22-Oct-20 10:02:00	74,470
22-Oct-20 10:03:00	29.63	22-Oct-20 10:03:00	27.15	22-Oct-20 10:03:00	4.50	22-Oct-20 10:03:00	76,771
22-Oct-20 10:04:00	30.55	22-Oct-20 10:04:00	27.60	22-Oct-20 10:04:00	4.73	22-Oct-20 10:04:00	73,399
22-Oct-20 10:05:00	30.43	22-Oct-20 10:05:00	26.96	22-Oct-20 10:05:00	5.04	22-Oct-20 10:05:00	73,503
22-Oct-20 10:06:00	30.46	22-Oct-20 10:06:00	27.78	22-Oct-20 10:06:00	4.57	22-Oct-20 10:06:00	76,989
22-Oct-20 10:07:00	30.45	22-Oct-20 10:07:00	27.61	22-Oct-20 10:07:00	4.55	22-Oct-20 10:07:00	74,541
22-Oct-20 10:08:00	30.40	22-Oct-20 10:08:00	26.89	22-Oct-20 10:08:00	5.03	22-Oct-20 10:08:00	72,236
22-Oct-20 10:09:00	29.96	22-Oct-20 10:09:00	26.74	22-Oct-20 10:09:00	4.92	22-Oct-20 10:09:00	75,568
22-Oct-20 10:10:00	30.26	22-Oct-20 10:10:00	27.73	22-Oct-20 10:10:00	4.50	22-Oct-20 10:10:00	76,873
22-Oct-20 10:11:00	30.60	22-Oct-20 10:11:00	27.33	22-Oct-20 10:11:00	4.91	22-Oct-20 10:11:00	72,608
22-Oct-20 10:12:00	30.24	22-Oct-20 10:12:00	26.71	22-Oct-20 10:12:00	5.09	22-Oct-20 10:12:00	73,423
22-Oct-20 10:13:00	29.76	22-Oct-20 10:13:00	26.93	22-Oct-20 10:13:00	4.73	22-Oct-20 10:13:00	75,519
22-Oct-20 10:14:00	29.72	22-Oct-20 10:14:00	26.91	22-Oct-20 10:14:00	4.69	22-Oct-20 10:14:00	75,565
22-Oct-20 10:15:00	30.63	22-Oct-20 10:15:00	27.57	22-Oct-20 10:15:00	4.79	22-Oct-20 10:15:00	74,258
22-Oct-20 10:16:00	30.78	22-Oct-20 10:16:00	27.04	22-Oct-20 10:16:00	5.17	22-Oct-20 10:16:00	72,722
22-Oct-20 10:17:00	30.08	22-Oct-20 10:17:00	27.27	22-Oct-20 10:17:00	4.67	22-Oct-20 10:17:00	76,666
22-Oct-20 10:18:00	29.82	22-Oct-20 10:18:00	27.22	22-Oct-20 10:18:00	4.66	22-Oct-20 10:18:00	76,083
22-Oct-20 10:19:00	30.45	22-Oct-20 10:19:00	27.12	22-Oct-20 10:19:00	4.95	22-Oct-20 10:19:00	72,480
22-Oct-20 10:20:00	29.82	22-Oct-20 10:20:00	26.81	22-Oct-20 10:20:00	4.80	22-Oct-20 10:20:00	76,150
Average Stack NOx, ppm (3% O2)	**30.24**	**Average Stack Raw NOx, ppm**	**27.20**	**Average Stack O2 (%)**	**4.80**	**Average Gas Flow (SCFH)**	**74,717**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 10:35 10/22/2020 10:57 1 m Kate7

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI381_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 10:35:00	30.84	22-Oct-20 10:35:00	27.17	22-Oct-20 10:35:00	5.12	22-Oct-20 10:35:00	72,070
22-Oct-20 10:36:00	30.01	22-Oct-20 10:36:00	26.95	22-Oct-20 10:36:00	4.82	22-Oct-20 10:36:00	76,456
22-Oct-20 10:37:00	30.51	22-Oct-20 10:37:00	27.75	22-Oct-20 10:37:00	4.62	22-Oct-20 10:37:00	75,237
22-Oct-20 10:38:00	30.61	22-Oct-20 10:38:00	26.80	22-Oct-20 10:38:00	5.22	22-Oct-20 10:38:00	70,998
22-Oct-20 10:39:00	30.39	22-Oct-20 10:39:00	26.95	22-Oct-20 10:39:00	5.03	22-Oct-20 10:39:00	73,547
22-Oct-20 10:40:00	29.77	22-Oct-20 10:40:00	26.85	22-Oct-20 10:40:00	4.76	22-Oct-20 10:40:00	76,045
22-Oct-20 10:41:00	29.95	22-Oct-20 10:41:00	26.91	22-Oct-20 10:41:00	4.82	22-Oct-20 10:41:00	71,147
22-Oct-20 10:42:00	30.54	22-Oct-20 10:42:00	26.62	22-Oct-20 10:42:00	5.30	22-Oct-20 10:42:00	71,960
22-Oct-20 10:43:00	29.98	22-Oct-20 10:43:00	26.90	22-Oct-20 10:43:00	4.84	22-Oct-20 10:43:00	73,709
22-Oct-20 10:44:00	29.59	22-Oct-20 10:44:00	26.56	22-Oct-20 10:44:00	4.83	22-Oct-20 10:44:00	73,519
22-Oct-20 10:45:00	30.39	22-Oct-20 10:45:00	26.80	22-Oct-20 10:45:00	5.12	22-Oct-20 10:45:00	70,523
22-Oct-20 10:46:00	30.20	22-Oct-20 10:46:00	26.76	22-Oct-20 10:46:00	5.04	22-Oct-20 10:46:00	73,549
22-Oct-20 10:47:00	30.19	22-Oct-20 10:47:00	27.45	22-Oct-20 10:47:00	4.62	22-Oct-20 10:47:00	76,405
22-Oct-20 10:48:00	30.01	22-Oct-20 10:48:00	26.79	22-Oct-20 10:48:00	4.92	22-Oct-20 10:48:00	70,981
22-Oct-20 10:49:00	29.94	22-Oct-20 10:49:00	26.39	22-Oct-20 10:49:00	5.11	22-Oct-20 10:49:00	72,903
22-Oct-20 10:50:00	29.47	22-Oct-20 10:50:00	26.50	22-Oct-20 10:50:00	4.80	22-Oct-20 10:50:00	73,379
22-Oct-20 10:51:00	30.05	22-Oct-20 10:51:00	27.00	22-Oct-20 10:51:00	4.82	22-Oct-20 10:51:00	73,421
22-Oct-20 10:52:00	30.22	22-Oct-20 10:52:00	27.16	22-Oct-20 10:52:00	4.81	22-Oct-20 10:52:00	73,474
22-Oct-20 10:53:00	29.82	22-Oct-20 10:53:00	26.79	22-Oct-20 10:53:00	4.82	22-Oct-20 10:53:00	73,461
22-Oct-20 10:54:00	30.39	22-Oct-20 10:54:00	27.12	22-Oct-20 10:54:00	4.93	22-Oct-20 10:54:00	71,091
22-Oct-20 10:55:00	29.55	22-Oct-20 10:55:00	26.24	22-Oct-20 10:55:00	5.00	22-Oct-20 10:55:00	73,327
22-Oct-20 10:56:00	29.86	22-Oct-20 10:56:00	27.06	22-Oct-20 10:56:00	4.68	22-Oct-20 10:56:00	74,239
Average Stack NOx, ppm (3% O2)	**30.10**	**Average Stack Raw NOx, ppm**	**26.89**	**Average Stack O2 (%)**	**4.91**	**Average Gas Flow (SCFH)**	**73,246**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 10:57 10/22/2020 11:19 1 m Rata 8

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 10:57:00	29.88	22-Oct-20 10:57:00	26.62	22-Oct-20 10:57:00	4.96	22-Oct-20 10:57:00	70,945
22-Oct-20 10:58:00	29.83	22-Oct-20 10:58:00	26.48	22-Oct-20 10:58:00	5.01	22-Oct-20 10:58:00	72,731
22-Oct-20 10:59:00	29.96	22-Oct-20 10:59:00	27.23	22-Oct-20 10:59:00	4.63	22-Oct-20 10:59:00	74,778
22-Oct-20 11:00:00	29.94	22-Oct-20 11:00:00	26.70	22-Oct-20 11:00:00	4.94	22-Oct-20 11:00:00	70,905
22-Oct-20 11:01:00	30.16	22-Oct-20 11:01:00	26.78	22-Oct-20 11:01:00	5.00	22-Oct-20 11:01:00	72,563
22-Oct-20 11:02:00	29.38	22-Oct-20 11:02:00	26.78	22-Oct-20 11:02:00	4.59	22-Oct-20 11:02:00	75,972
22-Oct-20 11:03:00	29.67	22-Oct-20 11:03:00	26.93	22-Oct-20 11:03:00	4.65	22-Oct-20 11:03:00	72,648
22-Oct-20 11:04:00	29.78	22-Oct-20 11:04:00	26.60	22-Oct-20 11:04:00	4.98	22-Oct-20 11:04:00	71,628
22-Oct-20 11:05:00	30.10	22-Oct-20 11:05:00	26.79	22-Oct-20 11:05:00	4.97	22-Oct-20 11:05:00	72,220
22-Oct-20 11:06:00	29.17	22-Oct-20 11:06:00	26.21	22-Oct-20 11:06:00	4.82	22-Oct-20 11:06:00	72,993
22-Oct-20 11:07:00	29.02	22-Oct-20 11:07:00	26.39	22-Oct-20 11:07:00	4.61	22-Oct-20 11:07:00	75,410
22-Oct-20 11:08:00	29.82	22-Oct-20 11:08:00	27.00	22-Oct-20 11:08:00	4.69	22-Oct-20 11:08:00	72,097
22-Oct-20 11:09:00	29.90	22-Oct-20 11:09:00	26.61	22-Oct-20 11:09:00	4.97	22-Oct-20 11:09:00	71,378
22-Oct-20 11:10:00	29.52	22-Oct-20 11:10:00	26.33	22-Oct-20 11:10:00	4.93	22-Oct-20 11:10:00	71,445
22-Oct-20 11:11:00	29.51	22-Oct-20 11:11:00	26.50	22-Oct-20 11:11:00	4.83	22-Oct-20 11:11:00	73,061
22-Oct-20 11:12:00	29.52	22-Oct-20 11:12:00	26.66	22-Oct-20 11:12:00	4.74	22-Oct-20 11:12:00	73,694
22-Oct-20 11:13:00	29.58	22-Oct-20 11:13:00	26.73	22-Oct-20 11:13:00	4.72	22-Oct-20 11:13:00	73,754
22-Oct-20 11:14:00	29.63	22-Oct-20 11:14:00	26.80	22-Oct-20 11:14:00	4.71	22-Oct-20 11:14:00	72,390
22-Oct-20 11:15:00	29.84	22-Oct-20 11:15:00	26.29	22-Oct-20 11:15:00	5.13	22-Oct-20 11:15:00	70,842
22-Oct-20 11:16:00	29.38	22-Oct-20 11:16:00	26.50	22-Oct-20 11:16:00	4.76	22-Oct-20 11:16:00	73,847
22-Oct-20 11:17:00	29.70	22-Oct-20 11:17:00	26.97	22-Oct-20 11:17:00	4.65	22-Oct-20 11:17:00	73,791
22-Oct-20 11:18:00	29.32	22-Oct-20 11:18:00	26.59	22-Oct-20 11:18:00	4.66	22-Oct-20 11:18:00	73,156
Average Stack NOx, ppm (3% O2)	**29.66**	**Average Stack Raw NOx, ppm**	**26.66**	**Average Stack O2 (%)**	**4.82**	**Average Gas Flow (SCFH)**	**72,829**

New-Indy Oxnard, LLC
Nebraska Boiler CEMS RATA TEST - November 22, 2020 10/22/2020 11:19 10/22/2020 11:41 1 m

Run 9

NOx, ppm (3% O2)		Raw NOx, ppm		O2 (%)		Gas Flow (SCFH)	
931AI391_CNOX		931AI391.AT		931AI392.AT		931FI374B.ft	
22-Oct-20 11:19:00	29.60	22-Oct-20 11:19:00	26.39	22-Oct-20 11:19:00	4.94	22-Oct-20 11:19:00	72,871
22-Oct-20 11:20:00	29.49	22-Oct-20 11:20:00	26.84	22-Oct-20 11:20:00	4.61	22-Oct-20 11:20:00	74,039
22-Oct-20 11:21:00	29.66	22-Oct-20 11:21:00	27.00	22-Oct-20 11:21:00	4.60	22-Oct-20 11:21:00	73,756
22-Oct-20 11:22:00	30.20	22-Oct-20 11:22:00	26.85	22-Oct-20 11:22:00	4.98	22-Oct-20 11:22:00	70,269
22-Oct-20 11:23:00	29.88	22-Oct-20 11:23:00	26.28	22-Oct-20 11:23:00	5.16	22-Oct-20 11:23:00	71,492
22-Oct-20 11:24:00	29.61	22-Oct-20 11:24:00	26.59	22-Oct-20 11:24:00	4.82	22-Oct-20 11:24:00	73,618
22-Oct-20 11:25:00	29.66	22-Oct-20 11:25:00	26.51	22-Oct-20 11:25:00	4.90	22-Oct-20 11:25:00	70,661
22-Oct-20 11:26:00	30.19	22-Oct-20 11:26:00	26.56	22-Oct-20 11:26:00	5.16	22-Oct-20 11:26:00	70,590
22-Oct-20 11:27:00	30.21	22-Oct-20 11:27:00	26.98	22-Oct-20 11:27:00	4.91	22-Oct-20 11:27:00	71,696
22-Oct-20 11:28:00	29.43	22-Oct-20 11:28:00	26.33	22-Oct-20 11:28:00	4.88	22-Oct-20 11:28:00	71,655
22-Oct-20 11:29:00	29.48	22-Oct-20 11:29:00	26.39	22-Oct-20 11:29:00	4.88	22-Oct-20 11:29:00	70,288
22-Oct-20 11:30:00	30.00	22-Oct-20 11:30:00	26.26	22-Oct-20 11:30:00	5.23	22-Oct-20 11:30:00	69,630
22-Oct-20 11:31:00	29.52	22-Oct-20 11:31:00	26.47	22-Oct-20 11:31:00	4.85	22-Oct-20 11:31:00	71,913
22-Oct-20 11:32:00	29.31	22-Oct-20 11:32:00	26.62	22-Oct-20 11:32:00	4.65	22-Oct-20 11:32:00	72,072
22-Oct-20 11:33:00	29.97	22-Oct-20 11:33:00	26.57	22-Oct-20 11:33:00	5.02	22-Oct-20 11:33:00	69,046
22-Oct-20 11:34:00	29.61	22-Oct-20 11:34:00	26.27	22-Oct-20 11:34:00	5.02	22-Oct-20 11:34:00	70,728
22-Oct-20 11:35:00	29.21	22-Oct-20 11:35:00	26.39	22-Oct-20 11:35:00	4.73	22-Oct-20 11:35:00	72,413
22-Oct-20 11:36:00	29.21	22-Oct-20 11:36:00	26.52	22-Oct-20 11:36:00	4.64	22-Oct-20 11:36:00	72,433
22-Oct-20 11:37:00	29.11	22-Oct-20 11:37:00	26.42	22-Oct-20 11:37:00	4.62	22-Oct-20 11:37:00	71,320
22-Oct-20 11:38:00	29.61	22-Oct-20 11:38:00	26.27	22-Oct-20 11:38:00	5.01	22-Oct-20 11:38:00	70,340
22-Oct-20 11:39:00	28.97	22-Oct-20 11:39:00	26.08	22-Oct-20 11:39:00	4.78	22-Oct-20 11:39:00	72,495
22-Oct-20 11:40:00	28.77	22-Oct-20 11:40:00	26.32	22-Oct-20 11:40:00	4.53	22-Oct-20 11:40:00	72,327
Average Stack NOx, ppm (3% O2)	**29.58**	**Average Stack Raw NOx, ppm**	**26.50**	**Average Stack O2 (%)**	**4.86**	**Average Gas Flow (SCFH)**	**71,621**

AIRX TESTING SERVICES Inc.

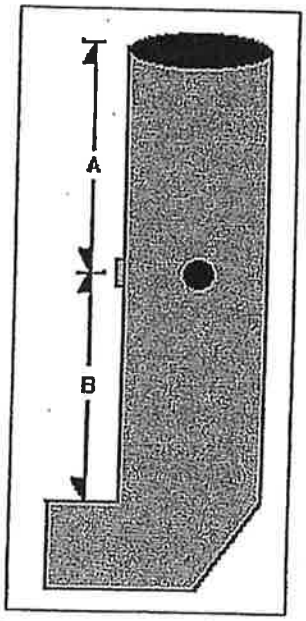
BOILER DATA SHEET

Client: New Indy
Site: OXNARD
Unit: Nebraska Boiler

Date: 10.22.20
Client #: 28002
Lab #: 220-113

Make: Nebraska
S/N: 2D-1983
Model NSE9551
BTU/hr Rating 108 MMBTU/hr
Fuel Type: NG
FGR Equipped: YES

Stack Diameter: 44"
"A" Distance: 7' (1.9 DD)
"B" Distance: 15.5' (4.23 DD)
Port Size: 2.5"
M or F: Female
Offset: 3 inch



Boiler Load: Run 1: Normal Run 2: Normal Run 3: Normal % of Rating

FGR Setting: Run 1: 40.2 Run 2: 40.0 Run 3: 40.1

Fuel: 70.7 / 71.4 % 71.4 %

Notes:

EPA METHOD 20 MEASUREMENT
SYSTEM PERFORMANCE TIME

RESPONSE TIME

DATE OF TEST: 10.22.20

PROBE LOCATION: STACK

ANALYZER TYPE & MODEL #

NOx: API 200EH

CO: —

O2: Servomex 1400

Span Gas Concentration/Analyzer Full Scale Setting:

NOx; Gas, ppmv: 40.6 Full Scale setting, ppmv 50

CO; Gas, ppmv: — Full Scale setting, ppmv _____

O2; Gas, %: 6.05 Full Scale setting, % 25

UPSCALE TIME - Analyzer + Sampling System:

Trial #	Nox	CO	O2
1	59	_____	47 seconds
2	60	_____	46 seconds
3	58	_____	48 seconds
Average Response	59	_____	47 seconds

DOWNSCALE - Analyzer + Sampling System:

Trial #	Nox	CO	O2
1	56	_____	45 seconds
2	58	_____	46 seconds
3	57	_____	46 seconds
Average Response	57	_____	46 seconds

Slower Average	60	—	48 seconds

DESCRIPTION OF METHOD(S) USED

Method 7: NOx from stationary sources

Applicability: Applicable range: 2 mg/m^3 <[NOx] $_{as\ NO2}$ <400 mg/m^3 (m^3 at dry standard conditions)

Principle: A grab sample is collected in a evacuated flask containing a dilute sulfuric acid-hydrogen peroxide absorbing solution, and the **NOx (except NO) are measured colorimetrically** using phenoldisulfonic acid.

Method 7A: NOx from stationary sources

Applicability: Applicable range: 125 mg/m^3(65ppm) <[NOx] $_{as\ NO2}$ <1250 mg/m^3 (655 ppm)

Principle: A grab sample is collected in a evacuated flask containing a dilute sulfuric acid-hydrogen peroxide absorbing solution, and the **NOx (except NO) are oxidized to nitrates and measured by ion chromatography.**

Method 7B: NOx from nitric acid plants

Applicability: Applicable range: 57 mg/m^3(30ppm) <[NOx] $_{as\ NO2}$ <1550 mg/m^3 (786 ppm)

Principle: A grab sample is collected in a evacuated flask containing a dilute sulfuric acid-hydrogen peroxide absorbing solution, and the **NOx (except NO) are measured by ultraviolet absorption.**

Method 7C and 7D: NOx from fossil fuel fired generators, electric utility plants or nitric acid plants

Applicability: Applicable range: 13 mg/m^3(7ppm) <[NOx] $_{as\ NO2}$ <1782 mg/m^3 (932 ppm)

Principle: A grab sample is collected from the stack in alkaline-potassium permanganate solution. NOx = NO + NO_2
7C: NOx are oxidized to NO_2 and NO_3. Cadmium is used to reduce NO_3 to NO_2, which is **analyzed colorimetreically.**
7D: NOx are oxized to NO_3 and **analyzed by ion chromatography.**

Method 7E: NOx from stationary source - Using Instrumental Analyzer

Analytical range: Determined by instrumental design. A portion of it is selected by choosing the span of the monitoring system. The span shall be selected such that the pollutant gas concentration equivalent to the emission standard is not less than 30% of the span. If at any time during the test, the pollutant concentration exceeds the span, the test is invalid.

Sensitivity: The Minimum Detection Limit (MDL) depends on the analytical range, the span, and the signal-to-noise ratio of the measurement system. The MDL should be less than 2% of the span.

Principle: A gas sample is continuously extracted from a stack and conveyed to a ***chemiluminescent*** analyzer for determination of NOx concentraction.

Measurement system: Sample interface, Gas analyzer, Data recorder.

NO_2 to NO converter: Not necessary if the NO_2 portion of the exhaust gas is less than 5% of the total NOx concentration.

NOx analyzer: Based on the chemiluminescent reaction of NO and ozone to form NO_2 in an excited state. Light emission is monitored through an optical filter by a high sensitivity photomultiplier tube, the output of which is electrically processed so it is linearly proportional to the NO concentraction.

NOx calibration gases (NO in N_2): Three calibration gases shall be used. Ambiant air may be used for the zero gas.

CARB Method 100

Generalized Procedures For Continuous Gaseous Emission Stack Sampling

Principle: A sample of an exhaust gas stream is continuously extracted, conditioned, and analyzed by instruments to determine average emission concentrations. By combining this information with stack gas flowrate and moisture, mass emission rates can be determined.

Applicability: Determination of emissions of oxides of nitrogen, carbon monoxide, carbon dioxide, sulfur dioxide, total hydrocarbons, and oxygen from stationary sources flowing gas streams in ducts, stacks, and flues. This method is an alternative to EPA reference methods 3A, 6C, 7E, 10, and 25A and B.

Range: The range is selected so that the sample gas concentration for each run is between 10 and 95% of the range for each pollutant of interest.

Measurement system: Sample interface, Gas analyzer, Data acquisition

Probe Nozzle: Quartz, borosilicate, stainless steel , porcelain or aluminum oxide
Probe: Shall have an inside diameter of 6 mm or larger and shall be of one of the materials mentioned above
Sample line: Teflon or other material that does not alter the sample gas
Sample conditioner: capable of reducing sample gas temperature to 60°F or 20°F lower than ambient temp.
Probe filter: internal or external, to prevent accumulation of particulate in the measurement system
Probe Calibration System: allows calibration of the instruments by introducing calibration gases
Sample System Heaters: if needed, to prevent condensation of water or hydrocarbons
Gas analyzers: shall be housed in a temperature-controlled, vibration-free environment:

- CO & CO2: Nondispersive infrared analyzer
- O2 : Paramagnetic or electrochemical (fuel cell) analyzer
- Total HC : Flame ionization detector (FID) or nondispersive infrared analyzer (NDIR)
- NOx : Chemiluminescent analyzer, minimum of 90% efficiency for NO2 conversion
- SO2 : Infrared or ultraviolet absorption or fluorescence analyzer

Data recorder: Provides a permanent record of gas analyzer data. Consist of a strip chart recorder and an electronic data logger capable of integration at ten second interval. Resolution or readability should be 0.5% of range.

Range: Upper limit of the gas concentration measurement range displayed on the data recorder

Calibration gas (CalGas): A gas of known concentration in an inert diluent gas

- High-Range: 80 to 100% of the range
- Mid-Range: 40 to 60% of the range
- Zero gas: impurity concentration < 0.25% of the range → Nitrogen

Analyzer calibration error: The difference between the known concentration of the CalGas and the gas concentration exhibited by the gas analyzer when the CalGas is introduced directly to the analyzer.
Performance Spec: less than **2%** of the range for the zero, mid-range, and high-range CalGas.

Sampling system BIAS: The difference between the gas concentrations exhibited by the measurement system when CalGas is introduced at the sampling probe tip filter and when the same CalGas is introduced directly to the analyzer.
Performance Spec: less than **5%** of the range for the zero, mid-range, and high-range CalGas.

Zero Drift: The difference in the measurement system responses at a zero concentration level during the initial calibration, and final calibration check after a test.
No adjustment to the measurement system is allowed at that point.
Performance Spec: less than **3%** of the range over the period of each run.

Calibration Drift (or Span Drift): The difference in the measurement system responses at a mid-range

concentration level during the initial calibration, and final calibration check after a test.
No adjustment to the measurement system is allowed at that point.
Performance Spec: less than **3%** of the range over the period of each run.

Response time: the time required for the system to display 95% of a step change in gas concentration on the data recorder.

Interference response: The output response of the measurement system to a component in the sample gas, other than the gas component being measured.
Performance Spec: less than **5%** of the range.

Measurement System Performance Test Procedures:

- *Cleaning/Assembly of sample train:* Flush probe, lines and sample conditioner with Deionized Water, then acetone. Dry with filtered dry air. Assemble as shown in accompanying figure.
- *Pretest Leak Check:* Leak check the vacuum side of the assembly at the maximum pump vacuum.
- *Calibrate analyzers and data recorders:* Allow analyzers to warm up. Adjust system components to achieve manufacturer's recommended sampling rates. Introduce CalGases directly to the instruments and make all necessary adjustments to calibrate the analyzer and data recorder.
- *Analyzer calibration error check:* at the beginning of test run

  1. Introduce zero, mid-range, high range CalGas
  2. Make no adjustments to the system except those necessary to achieve the correct flow rate.
  3. If invalid calibration is exhibited (> 2% of the range), take corrective action and repeat check.

- *Sampling system BIAS check:* **Mandatory**

  1. Backflush gas through the probe as necessary to prevent particulate buildup
  2. Introduce zero, and either mid-range or high-range (whichever is closest to effluent concentration)
  3. Make no adjustments to the system except those necessary to achieve the correct flow rate.
  4. If invalid calibration is exhibited (> 5% of the range), take corrective action and repeat check.
  5. If adjustment to the analyzer is required, first repeat the analyzer calibration error check, then repeat the sampling system BIAS check.

- *Stratification check:* Select traverse points according to ARB Methods 1 and 2. Multipoint gas sampling (traversing) must be performed unless data is available to demonstrate the mean pollutant concentration is ***less than 10% different*** from any single point.

Sample Collection:

1. Insert probe in stack
2. If traversing required, leave probe at each position for at least the system response time + 1 minute.
3. Three sample runs is recommended. See District Rules and permit conditions for special requirements.
4. When test duration exceeds one hour, conduct system BIAS checks every 2 hours. Adjust settings as necessary, mark strip charts and record changes in log books.
5. Strip chart must include the following information: pollutant, source, range, calibration cylinder ID number, chart speeds, date, time, operator.
6. **At end of run, perform sampling system BIAS Check.** Make no adjustments except to flow rates.

INSTRUMENT INFORMATION

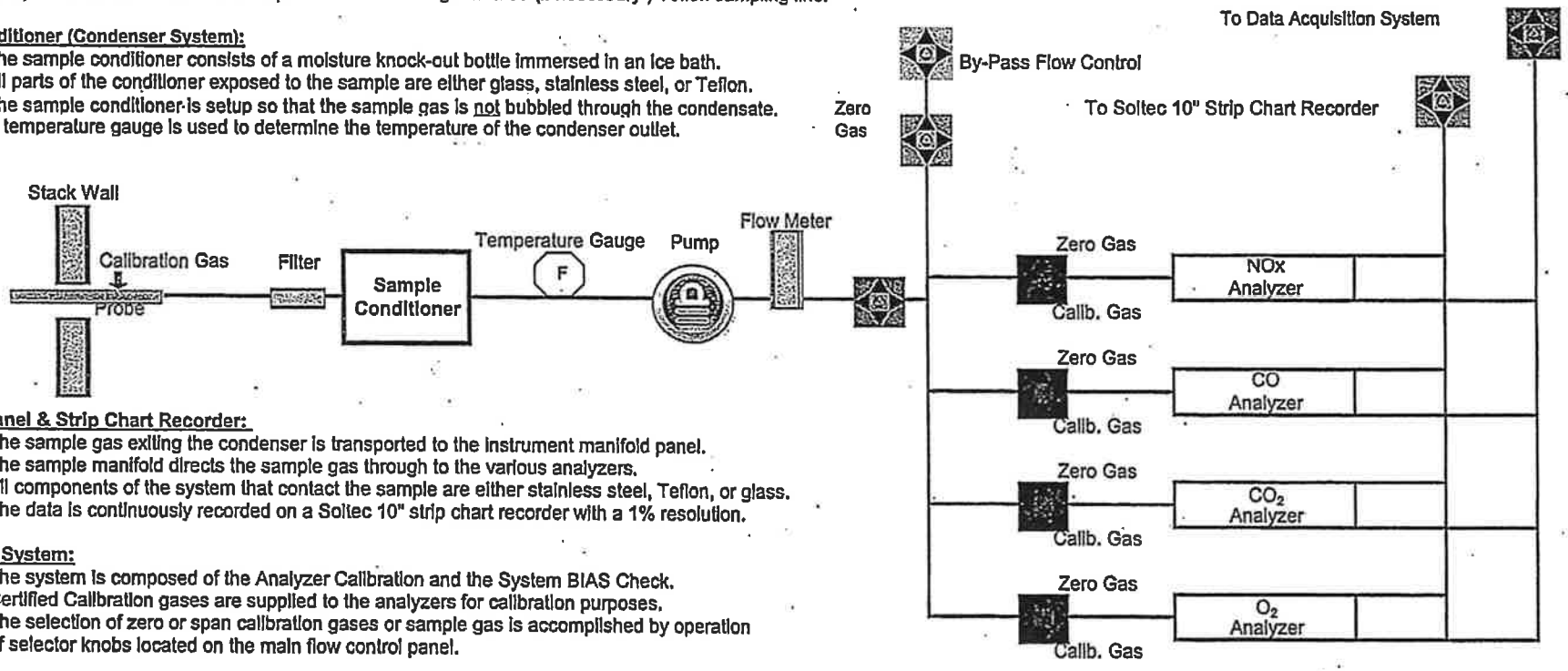
Method 100 – Sample Train Assembly

Probe:

1. AIRx Testing Services, Inc. uses a stainless steel sampling probe.
2. The probe is connected to the sample conditioner using a heated (if necessary) Teflon sampling line.

Sample Conditioner (Condenser System):

1. The sample conditioner consists of a moisture knock-out bottle immersed in an ice bath.
2. All parts of the conditioner exposed to the sample are either glass, stainless steel, or Teflon.
3. The sample conditioner is setup so that the sample gas is not bubbled through the condensate.
4. A temperature gauge is used to determine the temperature of the condenser outlet.



Manifold Panel & Strip Chart Recorder:

1. The sample gas exiting the condenser is transported to the instrument manifold panel.
2. The sample manifold directs the sample gas through to the various analyzers.
3. All components of the system that contact the sample are either stainless steel, Teflon, or glass.
4. The data is continuously recorded on a Soltec 10" strip chart recorder with a 1% resolution.

Calibration System:

1. The system is composed of the Analyzer Calibration and the System BIAS Check.
2. Certified Calibration gases are supplied to the analyzers for calibration purposes.
3. The selection of zero or span calibration gases or sample gas is accomplished by operation of selector knobs located on the main flow control panel.

Nitrogen Oxides: – Chemiluminescent Analyzer: Based on the chemiluminescent reaction of NO and ozone to form NO_2 in an excited state. Light emission is monitored through an optical filter by a high sensitivity photomultiplier tube, the output of which is electronically processed so it is linearly proportional to the NO concentration. The output is in units of ppmv.

Carbon Monoxide – Non-Dispersive Infrared (NDIR) Analyzer: Radiation from an infrared source is passed through a narrow band-pass filter and a multiple optical pass sample cell where absorption by the sample gas occurs. The infrared radiation exits the sample cell and falls on a solid state infrared detector. The output is in units of ppmv.

Oxygen – Electrochemical Analyzer: Oxygen in the flue gas sample diffuses through a Teflon membrane and is reduced on the surface of the cathode. A corresponding oxidation occurs at the anode and an electric current proportional to the concentration of oxygen is produced. The output is in units of percent O_2 by volume.

Carbon Dioxide – Non Dispersive Infrared (NDIR) Analyzer: The instrument measures the differential in infrared energy absorbed from energy beams passed through a reference cell (containing a gas selected to have minimal absorption of infrared energy in the wavelength absorbed by CO_2) and a sample cell through which the sample gas flows continuously. The output is in units of percent CO_2 by volume.

OXYGEN

Unit No. - 5:	
Manufacturer:	California Analytical Instruments
Model No.:	110P
Serial No.:	T02034
Method:	Paramagnetic
Range (%)	0-5, 10, 25
Unit No. - 7:	
Manufacturer:	Teledyne
Model No.:	320-AX
Serial No.:	108742
Method:	Electrochemical
Range (%)	0-5, 10, 25
Unit No. - 9:	
Manufacturer:	Servomex
Model No.:	1400
Serial No.:	01420/B701/730
Method:	Paramagnetic
Range (%)	0-25, 100
Unit No. - 10:	
Manufacturer:	Servomex
Model No.:	1400
Serial No.:	01420/B308
Method:	Paramagnetic
Range (%)	0-25
Unit No. - 11:	
Manufacturer:	Teledyne
Model No.:	320-A
Serial No.:	111211
Method:	Electrochemical
Range (%)	0-5, 10, 25
Unit No. - 12:	
Manufacturer:	Servomex
Model No.:	1400
Serial No.:	01420/B7103
Method:	Paramagnetic
Range (%)	0-25, 100

Unit No. - 13:	
Manufacturer:	Servomex
Model No.:	1400
Serial No.:	X1420/B707
Method:	Paramagnetic
Range (%)	0-25

AIR TESTING

OXIDES OF NITROGEN

Unit No. - 1: Manufacturer: API Model No.: 200 EH Serial No.: 233 Method: Chemiluminescence Range (ppmv) 0-5000	**Unit No. - 6:** Manufacturer: API Model No.: 200 A Serial No.: 1013 Method: Chemiluminescence Range (ppmv) 0-50
Unit No. - 2: Manufacturer: API Model No.: 200 EH Serial No.: 234 Method: Chemiluminescence Range (ppmv) 0-5000	**Unit No. - 7:** Manufacturer: Thermo Environmental (TECO) Model No.: 10AR Serial No.: 25559-221 Method: Chemiluminescence Range (ppmv) 0-2.5, 10, 25, 100, 250, 1000, 2500, 10000
Unit No. - 3: Manufacturer: API Model No.: 200 EH Serial No.: 109 Method: Chemiluminescence Range (ppmv) 0-5000	**Unit No. - 8:** Manufacturer: Thermo Environmental (TECO) Model No.: 10AR Serial No.: 38586-258 Method: Chemiluminescence Range (ppmv) 0-2.5, 10, 25, 100, 250, 1000, 2500, 10000
Unit No. - 4: Manufacturer: API Model No.: 200 EH Serial No.: 442 Method: Chemiluminescence Range (ppmv) 0-5000	
Unit No. - 5: Manufacturer: API Model No.: 200 EH Serial No.: 441 Method: Chemiluminescence Range (ppmv) 0-5000	

QUALITY ASSURANCE

PRAXAIR

Praxair
5700 South Alameda Street
Los Angeles, CA 90058
Tel: (323) 585-2154 Fax:(714) 542-6689
PGVPID: F22017

DocNumber: 000105588

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information:

PRAXAIR PKG OXNARD CA HPS
455 E WOOLEY RD
OXNARD CA 93030

Praxair Order Number: 70207599
Customer P. O. Number:
Customer Reference Number:

Fill Date: 2/27/2017
Part Number: NI CD8G3E-AS
Lot Number: 109705811
Cylinder Style & Outlet: AS CGA 580
Cylinder Pressure & Volume: 2000 psig 140 cu. ft.

Certified Concentration:

Expiration Date:	3/8/2025	NIST Traceable Analytical Uncertainty:
Cylinder Number:	CC60235	
7.98 %	CARBON DIOXIDE	± 0.4 %
3.98 %	OXYGEN	± 0.4 %
Balance	NITROGEN	

Certification Information: *Certification Date:* 3/8/2017 *Term:* 96 Months *Expiration Date:* 3/8/2025

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1. Do Not Use this Standard if Pressure is less than 100 PSIG.

CO2 responses have been corrected for Oxygen IR Broadening effect. O2 responses have been corrected for CO2 interference.

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. Component: CARBON DIOXIDE

Requested Concentration: 8 %
Certified Concentration: 7.98 %
Instrument Used: Horiba VIA-510 S/N 574763031
Analytical Method: NDIR
Last Multipoint Calibration: 2/13/2017

First Analysis Data:						Date: 3/8/2017
Z: 0	R: 6.98	C: 7.97	Conc: 7.985			
R: 6.98	Z: 0	C: 7.97	Conc: 7.985			
Z: 0	C: 7.97	R: 7	Conc: 7.985			
UOM: %		Mean Test Assay:	7.985 %			

Reference Standard Type: GMIS
Ref. Std. Cylinder #: DT0008914
Ref. Std. Conc: 7.00 %
Ref. Std. Traceable to SRM #: 1674b
SRM Sample #: 7-H-07
SRM Cylinder #: FF10631

Second Analysis Data:						Date:
Z: 0	R: 0	C: 0	Conc: 0			
R: 0	Z: 0	C: 0	Conc: 0			
Z: 0	C: 0	R: 0	Conc: 0			
UOM: %		Mean Test Assay:	0 %			

2. Component: OXYGEN

Requested Concentration: 4 %
Certified Concentration: 3.98 %
Instrument Used: OXYMAT 5E
Analytical Method: PARAMAGNETIC
Last Multipoint Calibration: 3/3/2017

First Analysis Data:						Date: 3/8/2017
Z: 0	R: 5.01	C: 3.97	Conc: 3.975			
R: 5	Z: 0	C: 3.97	Conc: 3.975			
Z: 0	C: 3.97	R: 5	Conc: 3.975			
UOM: %		Mean Test Assay:	3.975 %			

Reference Standard Type: GMIS
Ref. Std. Cylinder #: CC244935
Ref. Std. Conc: 5.01%
Ref. Std. Traceable to SRM #: 2658a
SRM Sample #: 72-D-28
SRM Cylinder #: CAL016862

Second Analysis Data:						Date:
Z: 0	R: 0	C: 0	Conc: 0			
R: 0	Z: 0	C: 0	Conc: 0			
Z: 0	C: 0	R: 0	Conc: 0			
UOM: %		Mean Test Assay:	0 %			

Analyzed by:

Ying Yu

Ying Yu

Certified by:

Nassim Haddad

AIR LIQUIDE Air Liquide America Specialty Gases LLC

Intertek

RATA CLASS

Guaranteed +/- 1% Accuracy

8832 DICE ROAD, SANTA FE SPRINGS, CA 90670-2516 Phone: 800-323-2212 Fax: 562-464-5262

CERTIFICATE OF ACCURACY: EPA Protocol Gas

Assay Laboratory - PGVP Vendor ID: A52013

AIR LIQUIDE AMERICA SPECIALTY GASES LLC
8832 DICE ROAD
SANTA FE SPRINGS, CA 90670-2516

Document.# : 51261426-004
P.O. No.: AIRX

Customer

ALHC-HCF-FRESNO-MEDGAS (LOC 24337)
3703 BAGLEY AVENUE
TRANSFER ACCOUNT
FRESNO CA 93725
US

ANALYTICAL INFORMATION Gas Type : CO2,O2,BALN

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1.
EPA/600/R-12/531, May 2012. Do not use this standard if pressure is less than 100 psig.

Cylinder Number: CC160530
Cylinder Pressure: 2000 PSIG
Certification Date: 02Jul2013
Exp. Date: 03Jul2021
Batch No: SBO0073261

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ACCURACY ABSOLUTE / RELATIVE
CARBON DIOXIDE	20.1 %	.13 % / .6 %
OXYGEN	8.05 %	.06 % / .7 %
NITROGEN	BALANCE	

TRACEABILITY

REFERENCE STANDARD

COMPONENT	CONCENTRATION	UNCERTAINTY	CYLINDER	TYPE/SRM SAMPLE	EXP. DATE
CARBON DIOXIDE	17.87 %	0.110 %	K026459	NTRM 1800/	01Mar2019
OXYGEN	10.03 %	0.070 %	K027603	NTRM 2658/	01Feb2016

ANALYTICAL METHOD

1st Analysis: 02Jul2013

COMPONENT	INSTRUMENT	ANALYTICAL PRINCIPLE	CALIBRATED	CONCENTRATION
CARBON DIOXIDE	GC-TCD/HP 5890 II/3140A38374	GC	26Jun2013	20.11 %
OXYGEN	GC-TCD/HP 5890 II/3140A38374	GC	22Jun2013	8.051 %

APPROVED BY: DC

PRAXAIR
Making our planet more productive

DocNumber: 253580

Praxair Distribution, Inc.
5700 S. Alameda Street
Los Angeles CA 90058
Tel: 323-585-2164
Fax: 714-642-6689
PGVP ID: F22019

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information

PRAXAIR PKG OXNARD CA HPS
455 E WOOLEY RD
OXNARD CA 93030

Certificate Issuance Date: 06/27/2019
Praxair Order Number: 70998288
Part Number: NI NO20ME-AS
Customer PO Number: 78961976

Fill Date: 06/07/2019
Lot Number: 70086915805
Cylinder Style & Outlet: AS CGA 660
Cylinder Pressure and Volume: 2000 psig 140 ft3

Certified Concentration

ProSpec EZ Cert

Expiration Date:	06/27/2022	NIST Traceable
Cylinder Number:	CC724456	Expanded Uncertainty
20.1 ppm	Nitric oxide	± 0.5 %
Balance	Nitrogen	

For Reference Only: *NOx 20.2 ppm*

Certification Information: *Certification Date:* 06/27/2019 *Term:* 36 Months *Expiration Date:* 06/27/2022

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1.
Do Not Use this Standard if Pressure is less than 100 PSIG.

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. *Component:* Nitric oxide

Requested Concentration: 20 ppm
Certified Concentration: 20.1 ppm
Instrument Used: Thermo Electron 42I-LS S/N 1030645077
Analytical Method: Chemiluminescence
Last Multipoint Calibration: 06/10/2019

First Analysis Data:						Date	06/20/2019
Z: 0	R: 19.9	C: 20	Conc: 20				
R: 19.88	Z: 0	C: 20.1	Conc: 20.1				
Z: 0	C: 20.1	R: 19.91	Conc: 20.1				
UOM: ppm			Mean Test Assay:	20.1	ppm		

Reference Standard: Type / Cylinder #: GMIS / CC2919
Concentration / Uncertainty: 19.90 ppm ±0.504%
Expiration Date: 03/28/2022
Traceable to: SRM # / Sample # / Cylinder #: APEX1161149 / NA / APEX1161149
SRM Concentration / Uncertainty: 20.03 ppm / ±0.10 ppm
SRM Expiration Date: 01/27/2020

Second Analysis Data:						Date	06/27/2019
Z: 0	R: 19.9	C: 20.1	Conc: 20.1				
R: 19.89	Z: 0	C: 20.2	Conc: 20.2				
Z: 0	C: 20.1	R: 19.89	Conc: 20.1				
UOM: ppm			Mean Test Assay:	20.1	ppm		

Analyzed By Henry Koung

Certified By Leeanna Flores

PRAXAIR
Making our planet more productive

Praxair Distribution, Inc.
5700 S. Alameda Street
Los Angeles, CA 90058
Tel: 323-585-2154
Fax: 714-542-6689

Customer & Order Information:

PRAXAIR PKG OXNARD CA HPS
455 E WOOLEY RD,
OXNARD, CA 93030-7224

Praxair Order Number: **71378203**
Customer PO Number: **79369772**

Certificate Issuance Date: **7/10/2020**
Certification Date: **7/10/2020**
Lot Number: **70086018201**
Part Number: **NI NX20MP-AS**
DocNumber: **232651**
Expiration Date: **7/10/2021**

CERTIFICATE OF ANALYSIS
Primary Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
Nitrogen dioxide (as NOx)	**20 ppm**	**19.01 ppm**	**1**	**± 1%**
Nitrogen	**Balance**	**Balance**		

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **142 ft3**
Valve Outlet Connection: **CGA 660**
Cylinder Number(s): **CC3240**

Fill Date: **6/30/2020**
Analysis Date: **7/10/2020**

Filling Method: **Gravimetric**

Comments: **This mixture contains 2% Oxygen.**

Analyst: **Leeanna Flores**

Approved Signer: **Henry Koung**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	MKS MG2031 - FTIR

The gas calibration cylinder standard prepared by Praxair Distribution, Inc. is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Praxair Distribution, Inc. Reference Materials which are traceable to the International System of Units (SI) through either weights traceable to the National Institute of Standards and Technology (NIST) or Measurement Canada, or through NIST Standard Reference Materials or equivalent where available.

Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by volume (e.g., ppmv) unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

PRAXAIR
Making our planet more productive

DocNumber: 224275

Praxair Distribution, Inc.
5700 S. Alameda Street
Los Angeles CA 90058
Tel: 323-585-2154
Fax: 714-542-6689
PGVP ID: F22018

CERTIFICATE OF ANALYSIS / EPA PROTOCOL GAS

Customer & Order Information

PRAXAIR PKG OXNARD CA HPS
455 E WOOLEY RD
OXNARD CA 93030

Certificate Modification Date: 09/18/2018
Praxair Order Number: 70717073
Part Number: NI NO40ME-AS

Fill Date: 09/05/2018
Lot Number: 70086824802
Cylinder Style & Outlet: AS CGA 660
Cylinder Pressure and Volume: 2000 psig 140 ft3

Certified Concentration

ProSpec EZ Cert

Expiration Date:	09/18/2021	NIST Traceable
Cylinder Number:	DT0028765	Expanded Uncertainty
39.9 ppm	Nitric oxide	± 0.8 %
Balance	Nitrogen	

For Reference Only: NOx 40.0 ppm

Certification Information: *Certification Date:* 09/18/2018 *Term:* 36 Months *Expiration Date:* 09/18/2021

This cylinder was certified according to the 2012 EPA Traceability Protocol, Document #EPA-600/R-12/531, using Procedure G1.
Do Not Use this Standard if Pressure is less than 100 PSIG.

Analytical Data: *(R=Reference Standard, Z=Zero Gas, C=Gas Candidate)*

1. *Component:* Nitric oxide

Requested Concentration: 40 ppm
Certified Concentration: 39.9 ppm
Instrument Used: Thermo Electron 42I-LS S/N 1030645077
Analytical Method: Chemiluminescence
Last Multipoint Calibration: 09/10/2018

Reference Standard: Type / Cylinder #: GMIS / CC505047
Concentration / Uncertainty: 49.44 ppm ±0.714%
Expiration Date: 08/08/2021
Traceable to: SRM # / Sample # / Cylinder #: 1683b / 45.-V-37 / CAL017688
SRM Concentration / Uncertainty: 48.79 / ±0.34 ppm
SRM Expiration Date: 03/25/2019

First Analysis Data:					Date	09/11/2018
Z: 0	R: 49.4	C: 39.8	Conc:	39.8		
R: 49.4	Z: 0	C: 39.9	Conc:	39.9		
Z: 0	C: 39.9	R: 49.4	Conc:	39.9		
UOM: ppm		Mean Test Assay:		39.9	ppm	

Second Analysis Data:					Date	09/18/2018
Z: 0	R: 49.4	C: 39.7	Conc:	39.7		
R: 49.4	Z: 0	C: 39.9	Conc:	39.9		
Z: 0	C: 39.9	R: 49.4	Conc:	39.9		
UOM: ppm		Mean Test Assay:		39.9	ppm	

Analyzed By Henry Koung

Certified By Amalia Beal

202367: BS-PM, 1Y, INSPECT ADMIN OFFICE COMPUTER ROOM GENERATOR

CHECK PDRAIN PLUG COULD NOT REMOVE IT

This is an official APCD requirement effective 2014. Maintenance delays shall be reported to APCD Compliance Division.

Required annual maintenance includes:
Change Oil
Change Oil Filter
Change Spark Plugs
Hose & Belt inspection/replacement as needed

PARTS

OIL MOTOR, CASTROL HYSTER P/N - 995 C5W30 – VENDER #28333296 - Johnson Lift Hyster

OIL FILTER, HYSTER P/N - HYS BWB243 – VENDER #28333296 - Johnson Lift Hyster

SPARK PLUG WIRES HYSTER P/N - 995 35-4134 - VENDER #28333296 - Johnson Lift Hyster

SPARK PLUG, HYSTER P/N - 995 764 - VENDER #28333296 - Johnson Lift Hyster

VALVE, PCV HYSTER P/N - HYS 3133057 - VENDER #28333296 - Johnson Lift Hyster

DC24MF GP24 Maeine Battery 750

Asset: 6810 Generator, Main Office Computer Room
Location: 3146 Generator, Main Office Computer Room
CI:

Equipment #: 111-9013
Functional Location: 8149-09-01-030-140-080
MCC Location:

Sched Start:	11/23/20	**Site:**	OXNARD	**Job Plan:**	JP2036
Sched Finish:		**Priority:**	3	**Supervisor:**	
Target Start:	11/23/20	**Work Type:**	PM	**Lead:**	EMENDOZA
Target Finish:		**Status:**	COMP	**Vendor:**	
Actual Start:	11/24/20	**Parent:**			
Actual Finish:	11/24/20	**Failure Class:**		**Person Group:**	213
Report Date:	6/4/20	**Problem Code:**		**Service:**	
Reported By:	MAXADMIN			**Service Group:**	
On Behalf Of:		**GL Account:**	393900.453120	**Classification:**	

NEW INDY
CONTAINERBOARD

January 4, 2021

County of Ventura
Air Pollution Control District
669 County Square Drive, 2nd Floor
Ventura, CA 93003

Attention: Mr. Ed Swede

Subject: 2020 Annual Report for Emergency Generator

Dear Mr. Swede:

In compliance with Rule 74.9(F)(2) reporting requirement, New-Indy Oxnard mill is submitting the following information for the stationary internal combustion engine(s) rated at >50 HP maintained at the facility:

Unit	2020 Hours of Operation	2020 Maintenance Hours
Admin Emergency Generator WINCO PSS35000 88 HP	3	28

If you have any questions, please do not hesitate to contact me at (805) 271-7284.

Sincerely,

Robyn Lebrilla
Environmental Engineer

NEW INDY OXNARD, LLC
5936 PERKINS ROAD • OXNARD, CALIFORNIA 93033 • WWW.NEWINDYCONTAINERBOARD.COM
PHONE (805) 986-3881 • FAX (805) 488-5186

Ventura County
Air Pollution

Control District

RESPONSIBLE OFFICIAL'S CERTIFICATION FORM

Ventura County APCD Rule 33.9 requires that "*any document, including reports, schedule of compliance progress reports and compliance certifications, required by a Part 70 permit shall be certified by a responsible official.*" Therefore, this form shall be signed by the company's Responsible Official and submitted with all such reports, including, but not limited to semi-annual reports, deviation and emergency reports and any periodic reports required by a Part 70 permit. However, when submitting your Annual Compliance Certifications, please use the form titled Annual Compliance Certification Signature Cover Form.

Semi-annual reports, deviations and emergency reports and any periodic reports required by your Part 70 permit should be submitted to:

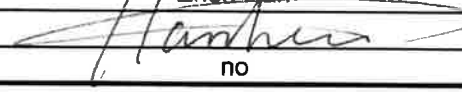
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

Certification by Responsible Official

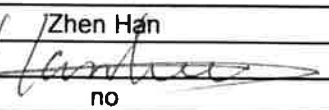
I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate, and complete.

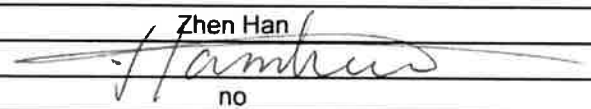
Signature and Title of Responsible Official:	Date:
Signature: [signature]	01/07/2021
Title: Mill Manager	

Stack Opacity Observation Protocol

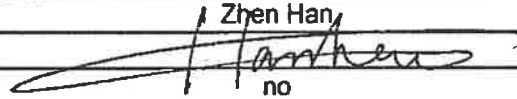
Object:	Cogen Stack
Date of Observation:	06/30/20
Time of Observation:	9:00 AM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Nebraska Boiler
Date of Observation:	n/a
Time of Observation:	n/a
Fuel burned:	n/a
Name of the observing person:	n/a
Signature	n/a
Was Visible Emission Other Than Steam Present ?	n/a

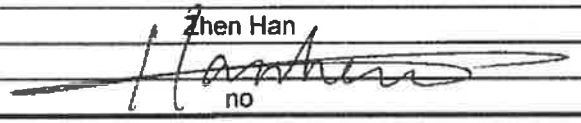
Object:	Paper Forming/Paper Drying
Date of Observation:	06/30/20
Time of Observation:	9:00 AM
Fuel burned:	N/A
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

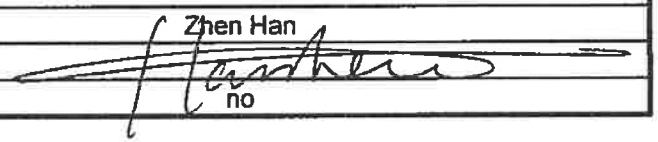
Object:	Maxon Burner
Date of Observation:	06/30/20
Time of Observation:	9:00 AM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Stack Opacity Observation Protocol

Object:	Cogen Stack
Date of Observation:	09/30/20
Time of Observation:	3:12 PM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Nebraska Boiler
Date of Observation:	n/a
Time of Observation:	n/a
Fuel burned:	n/a
Name of the observing person:	n/a
Signature	n/a
Was Visible Emission Other Than Steam Present ?	n/a

Object:	Paper Forming/Paper Drying
Date of Observation:	09/30/20
Time of Observation:	3:12 PM
Fuel burned:	N/A
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Maxon Burner
Date of Observation:	09/30/20
Time of Observation:	3:12 PM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Stack Opacity Observation Protocol

Object:	Cogen Stack
Date of Observation:	12/23/20
Time of Observation:	9:00 AM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Nebraska Boiler
Date of Observation:	n/a
Time of Observation:	n/a
Fuel burned:	n/a
Name of the observing person:	n/a
Signature	n/a
Was Visible Emission Other Than Steam Present ?	n/a

Object:	Paper Forming/Paper Drying
Date of Observation:	12/23/20
Time of Observation:	9:00 AM
Fuel burned:	N/A
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Maxon Burner
Date of Observation:	12/23/20
Time of Observation:	9:00 AM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Stack Opacity Observation Protocol

Object:	Cogen Stack
Date of Observation:	03/11/21
Time of Observation:	11:30 AM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Nebraska Boiler
Date of Observation:	n/a
Time of Observation:	n/a
Fuel burned:	n/a
Name of the observing person:	n/a
Signature	n/a
Was Visible Emission Other Than Steam Present ?	n/a

Object:	Paper Forming/Paper Drying
Date of Observation:	03/11/21
Time of Observation:	11:30 AM
Fuel burned:	N/A
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

Object:	Maxon Burner
Date of Observation:	03/11/21
Time of Observation:	11:30 AM
Fuel burned:	Natural Gas
Name of the observing person:	Zhen Han
Signature	
Was Visible Emission Other Than Steam Present ?	no

VENTURA COUNTY
AIR POLLUTION CONTROL DISTRICT
Memorandum

TO: Karl Krause DATE: May 23, 1996

FROM: Terri Thomas

SUBJECT: Rule 54.B.2 Compliance

Per your request, I ran some screening level dispersion modeling tests to determine equipment parameters that would comply with Rule 54.B.2. Rule 54.B.2 limits ground level property line SO_2 concentrations to 0.25 ppm_v for 1 hour and 0.04 ppm_v for 24 hours.

I assume that the most common SO_2 emission source is diesel combustion in IC engines. Therefore, that was the focus of my analysis.

To determine appropriate stack parameters, I reviewed 4 source test reports for diesel ICEs prepared for AB 2588. For screening purposes, the most conservative value was chosen from the test data for each stack parameter. The following summarizes stack data from these reports:

Parameter	# tests reporting parameter value	range of values	screening value
Stack velocity	3	1,812-11,343 ft/min	1,812 ft/min 9.2 m/s
Stack diameter	3	2-6 inches	2 inches 0.05 meters
Stack temperature	4	192-785°F	192°F 362 K
Stack height	0	NA	2 meters

SO_2 emissions were based on 300 ppm_v in the stack, which is the limit in Rule 54.B.1.a. This limit cannot be exceed if the diesel fuel meets the 0.5% sulfur limit in Rule 64.B.2.

Other assumptions used in modeling were that the stack was vertical and has no raincap, and the property line was at least 100 meters from the stack.

Using the parameters and assumptions listed above, screening modeling showed that the limits in Rule 54.B.2 would not be exceeded.

Use of the minimum stack diameter, and thus, the minimum flow rate and emission rate is not the most conservative case. In order to determine the maximum emission rate that could be shown to meet the Rule under the conditions described above, modeling was performed by increasing the emissions and flow rate (to maintain the 300 ppm_v SO_2 stack concentration), but increasing the stack diameter to maintain the minimum velocity. Modeling results are summarized below.

Emission rate (g/s)	Emission rate (lb/hr) and (lb/day)	1 hour max concentration (ppm_v) (limit=0.25)	24 hour max concentration (ppm_v) (limit=0.04)
0.0145	0.12 2.76	0.04	0.01
0.029	0.23 5.52	0.06	0.03
0.058	0.46 11.04	0.11	0.04
0.116	0.92 22.08	0.17	0.07
0.232	1.84 44.15	0.23	0.05

From the above, if SO_2 emissions do not exceed 1.84 lb/hr, the 1-hour limit of Rule 54.B.2 will be met. This is equivalent to burning 26 gallons of diesel at 0.5% sulfur per hour.

If SO_2 emissions do not exceed 11.04 lb/day, the 24-hour limit of Rule 54.B.2 will be met. This is equivalent to burning 155 gallons of diesel at 0.5% sulfur per day.

If the sulfur content of the fuel is lower than 0.5%, the allowable amount of fuel would, of course, be greater.

Let me know if the above information meets your needs. If so, another scenario that is probably common is a nonvertical stack (or stack with raincap). I can develop similar information for this case if you want.

c:\word6\so2comp.doc

Ventura County
Air Pollution
Control District

669 County Square Dr
Ventura California 93003

tel 805/645-1400
fax 805/645-1444
www.vcapcd.org

Dr. Laki Tisopulos, P.E.
Air Pollution Control Officer

Permit to Operate 07141 - R07

Valid: 10/01/2020 to 09/30/2021

THIS PERMIT HAS BEEN ISSUED TO THE FOLLOWING:

COMPANY NAME AND ADDRESS:

C.D. Lyon Construction Inc.
PO BOX 1456
VENTURA, CA 93002-1456

FACILITY NAME AND ADDRESS:

C.D. Lyon Construction Inc.
Portable Equipment Various Locations
Ventura County, CA

EQUIPMENT DESCRIPTION:

Permission is hereby granted to operate the equipment listed at the end of this permit in Table A.

1. THIS PERMIT HAS BEEN ISSUED SUBJECT TO THE FOLLOWING PERMITTED EMISSIONS (PURSUANT TO RULE 29.B):

Permitted Emission	Tons/Year	Pounds/Hour
Reactive Organics	2.15	2.07
Particulate Matter	5.62	39.00

Note: Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

THIS PERMIT HAS BEEN ISSUED SUBJECT TO THE FOLLOWING CONDITIONS:

2. Annual abrasive usage shall not exceed 144 tons while operating in Ventura County.

   In order to comply with this condition, permittee shall maintain daily records and monthly reports of abrasive usage. Monthly usage shall be totaled and the monthly totals summed for the previous twelve (12) months. Material usage totals for any of these twelve (12) month periods in excess of the above limits shall be considered a violation of this condition. Prior to exceeding the above limit, permittee shall submit an application to modify this condition.

3. Annual usage shall not exceed 648 Gal/Yr of coatings with Maximum 3.51 Lbs/Gal ROC, as applied and 288 Gal/Yr of coatings application equipment cleanup material with Maximum 7.09 Lbs/Gal ROC, as applied, while operating in Ventura County.

   In order to comply with this condition, permittee shall maintain daily records and monthly reports of coatings, surface preparation materials, and coatings application equipment cleanup materials.

Monthly usage shall be totaled and the monthly totals summed for the previous twelve months. Material usage totals for any of these twelve (12) month periods in excess of the above limit shall be considered a violation of this condition. Prior to exceeding the above limit, permittee shall submit an application to modify this condition.

4. Pursuant to APCD Rule 74.6.B.1, the permittee shall not use any material with an ROC content in excess of 25 grams per liter of material for substrate surface preparation.
5. This permit authorizes abrasive blasting and/or painting of stationary structures and their appurtenances at their permanent sites only.
6. All coating operations shall comply with APCD Rule 74.2, "Architectural Coatings". The reactive organic compound content of flat coatings shall not exceed 50 grams per liter, computed on a minus water, minus exempt solvent basis as applied. The reactive organic compound content of nonflat coatings used shall not exceed 100 grams per liter, computed on a minus water, minus exempt solvent basis as applied. The reactive organic compound content of the industrial maintenance coatings used shall not exceed 250 grams per liter, computed on a minus water, minus exempt solvent basis as applied. Other coatings used shall meet their specific limit in the Rule 74.2 Table of Standards. Thinning of the coatings shall not cause the coatings to exceed their applicable standard.
7. All ROC containing materials, used or unused, including but not limited to surface coatings, surface preparation materials and cleanup materials shall be stored in closed containers. This condition is applied as Best Available Control Technology (BACT).
8. All abrasive blasting activities shall be conducted in conformance with all applicable provisions of Title 17, California Administrative Code, Subchapter 6 (Abrasive Blasting) and APCD Rule 74.1 (Abrasive Blasting). This includes, but is not limited to, the following permit conditions.
9. Pursuant to Rule 74.1.B.1.a, all abrasive blasting operations shall be conducted within a permanent building except when steel or iron grit/shot is used exclusively, or when the item to be blasted exceeds eight feet in any dimension, or when the surface being blasted is situated at its permanent location or no further away from its permanent location than is necessary to allow the surface to be blasted.
10. Pursuant to APCD Rule 74.1.B.1.c, when the item to be blasted exceeds eight feet in any dimension, or when the surface to be blasted is situated at its permanent location or no further away from its permanent location than is necessary to allow the surface to be blasted, the abrasive blasting operation shall be conducted using wet abrasive blasting, hydroblasting, vacuum blasting or dry blasting with certified abrasives.
11. The discharge into the atmosphere from abrasive blasting operations conducted outside a permanent building shall not be as dark or darker in shade than No. 2 on the Ringlemann Chart or of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described as Ringlemann No. 2. (Note: Ringlemann No. 2 is equivalent to 40% opacity), as required by APCD Rule 74.1.C.1.a.

12. The discharge into the atmosphere from abrasive blasting operations conducted within a permanent building shall not be as dark or darker in shade than No. 1 on the Ringlemann Chart or of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described as Ringlemann No. 1. (Note: Ringlemann No. 1 is equivalent to 20% opacity), as required by APCD Rule 74.1.C.1.b.

13. The permittee shall employ reasonable methods to insure that discharge from the abrasive blasting and/or surface coating work area does not cause a nuisance, pursuant to California Health & Safety Code Section 41700 and APCD Rule 51 (Nuisance). Such methods may include, but are not limited to, use of shrouding and covering of objects adjacent to the blasting and/or surface coating activity.

14. Pursuant to APCD Rule 74.1.B.4, only abrasives certified in accordance with Section 92350 of the California Code of Regulations shall be used for permissible outdoor blasting. Packages or containers for certified abrasives shall be legibly and permanently labeled with each of the following:

    a) The manufacturer's name or identification trade name;

    b) The grade, weight proportion of components in abrasive blends, brand name of the abrasive, or brand names and grades of components of abrasive blends; and

    c) The statement "ARB certified for permissible dry outdoor blasting."

15. The District shall be notified at least 48 hours prior to conducting abrasive blasting and/or surface coating operations by leaving a message on the District 24-hour message recorder at (805)654-2797 or by faxing a notification to (805)645-1444.

    The notification shall include the following information:

    a) Identification of operator and the Permit to Operate number (No. 7141).

    b) The location (street address and city) and a description of the abrasive blasting and/or surface coating activity.

    c) The expected starting date and duration of the abrasive blasting and/or surface coating activity.

16. The permittee shall record and maintain the following information on each abrasive blasting operation performed in Ventura County. The records shall be compiled into a monthly report. These records shall be maintained for the previous two years and shall be made available to APCD personnel upon request:

    a) The location and a description of the abrasive blasting activities.

    b) The starting and ending dates.

    c) The total hours of actual abrasive blasting activity and the amount of abrasives used.

17. The permittee shall record and maintain the following information on each surface coating operation performed in Ventura County. The records shall be compiled into a monthly report. These records

shall be maintained for the previous two years and shall be made available to APCD personnel upon request:

a) The location and a description of the surface coating activities.

b) The starting and ending dates.

c) On a daily or per site basis, record usage as follows: the brand name and product or number for each coating, solvent and thinner used; the mix ratio of the components used; the quantity of each material used; the ROC content of the coatings, as applied, computed on a minus water, minus exempt solvent basis; the coating category (e.g., coating, solvent, thinner, etc.); and the method of application.

d) On a daily or per site basis, record usage of spray equipment cleanup solvent used, which includes the following: brand and product name or number of each solvent; the quantity of each solvent used; the ROC content; and the method of application.

If purchase records are used to determine the amount of solvents used, then records and manifest of the amounts of solvents disposed of or sent to a recycler must also be maintained.

18. Portable abrasive blasting and surface coating equipment may be used anywhere in Ventura County.

19. Wipe cleaning operations shall comply with all applicable provisions of APCD Rule 74.6, "Surface Cleaning and Degreasing", including, but not limited to, the following material requirements:

    Any materials used for cleanup, including cleanup of application equipment, shall have an ROC composite partial pressure no greater than 33 mm Hg at 20 degrees Celsius and shall have an ROC content no greater than 900 grams per liter of material (Rule 74.6.B.1).

    Cleanup is defined as the removal of uncured coating, adhesive or ink from any surface, including coating application equipment, oversprayed surface, and hands. Application equipment includes but is not limited to, spray guns, rollers, and brushes.

    This condition does not apply to cleaning activities using Clean Air Solvent, or a solvent with an ROC-content no more than 25 grams per liter as applied (Rule 74.6.E.1.a).

20. Wipe cleaning operations shall comply with all applicable provisions of APCD Rule 74.6, "Surface Cleaning and Degreasing". Accordingly, no person shall perform solvent cleaning unless one of the following cleaning devices or methods is used (Rule 74.6.B.2):

    a) Wipe cleaning where solvent is dispensed to wipe cleaning materials from containers that are kept closed to prevent evaporation, except while dispensing solvent or replenishing the solvent supply;

    b) Application of solvent from a hand-held spray bottle, squirt bottle or other closed container with a capacity of one liter or less;

    c) Non-atomized solvent flow, dip or flush method where pooling is prevented or drained, and all solvent runoff is collected in a manner that enables solvent recovery or disposal. The collection

system shall be kept closed to prevent evaporation except while collecting solvent runoff or emptying the collection system.

If the cleaning method has a solvent capacity more than one gallon, a cold cleaner or remote reservoir cold cleaner meeting the equipment and operation requirements of Rule 74.6 Sections C and D shall be used.

d) A properly used enclosed gun washer or low emission spray gun cleaner.

No person shall allow liquid cleaning solvent to leak from any equipment or container (Rule 74.6.B.3).

21. All ROC-containing solvents shall be stored in non-absorbent, non-leaking containers which shall be kept closed at all times except when filling or emptying (Rule 74.6.B.4.a).

    Waste solvent and waste solvent residues shall be disposed of in a manner conforming with Division 20, Chapter 6.5 of the California Health and Safety Code (Rule 74.6.B.4.b).

22. Permittee shall maintain a current material list for at least two (2) years from the date of each record showing each ROC containing material used in solvent cleaning activities. All such records shall be made available to APCD personnel upon request (Rule 74.6.F). The records shall summarize the following information:

    a) Solvent name and manufacturer's description.

    b) All intended uses of the solvent at the facility, classified as follows:

        1) Cleanup, including application equipment cleaning, or

        2) Cleaning of electronic components, electrical apparatus components, medical devices, or aerospace components, or

        3) Solvent used pursuant to an exemption in Section E of Rule 74.6.C. (specify exemption claimed)

    c) The ROC content in units of grams of ROC per liter of material (and ROC composite partial pressure in units of mm Hg @ 20C, if applicable) of the solvent.

    d) The mix ratio, if the solvent is a mix of materials blended by the operator.

Within 30 days after receipt of this permit, the permittee may petition the Hearing Board to review any new or modified condition (Rule 22). This permit, or a copy, shall be posted reasonably close to the subject equipment and shall be accessible to inspection personnel (Rule 19). This permit is not transferrable from one location to another unless the equipment is specifically listed as being portable (Rule 20).

The granting of this Permit to Operate shall not be construed as an endorsement by the District and shall not guarantee compliance with the rules of the District. This Permit to Operate shall not be construed to allow any emission unit to operate in violation of any state or federal emission standard or any rule of the District.
This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Ali Ghasemi, Manager
Engineering Division

For:

Dr. Laki Tisopulos
Air Pollution Control Officer

Attachments:

- Table A - Permit Equipment List(s)

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Final Issue Date: 08/27/2020

PERMIT EQUIPMENT LIST - TABLE A

Renewal 07141 R07 / FID: 07141 C.D. Lyon Construction Inc. / SSID: 07141

A PERMITTED EQUIPMENT

1 Abrasive Blasting Operation

2 Architectural Surface Coating Operation

VENTURA COUNTY
AIR POLLUTION CONTROL DISTRICT
Memorandum

TO: Interested Parties DATE: December 3, 1997

FROM: John Harader

SUBJECT: Rule 57.B / AP-42 Emission Factor Comparison

Section B of District Rule 57, "Combustion Contaminants - Specific", limits the combustion contaminant emission concentration from any fuel burning equipment. Combustion contaminants are defined in District Rule 2 as particulate matter discharged into the atmosphere from the burning of any kind of material containing carbon in a free or combined state. The emission concentration limit is 0.1 grain per cubic foot of gas calculated to 12 percent of carbon dioxide at standard conditions (0.1 gr/scf @ 12% CO_2). This limit can be converted to a lb/MMBTU emission factor by the following equation from 40 CFR Part 60, Appendix A, Method 19:

$$E = C\ F_c\ (100/\%CO_2)(lb/7000gr)$$

E = lb/MMBTU emission factor
C = Pollutant concentration (lb/DSCF)
F_c = CO_2 F-factor
= 1430 dscf CO_2/MMBTU for liquid fuels
= 1040 dscf CO_2/MMBTU for natural gas

The pollutant concentration, C, and the $\%CO_2$ values can be wet or dry as long as they are consistent. The $\%CO_2$ of 12 may be used in the equation if the pollutant concentration has been corrected to 12% CO_2:

$$C_{@12\%CO2} = C(12/\%CO_2)$$

The Rule 57.B emission limit is a limit at 12% CO_2; therefore the emission rate equation can be written:

$$E = (0.1\ gr/scf)\ F_c\ (100/12)(lb/7000gr)$$

For Natural Gas: E = 0.12 lb PM/MMBTU
For Liquid Fuels: E = 0.17 lb PM/MMBTU

Based on EPA AP-42 emission factors and source test data, all natural gas fired or fuel oil fired boilers, process heaters, and turbines; and natural gas fired or diesel fired engines

operate below this emission factor or emission limit The particulate matter emission factors for these units are:

Natural Gas Fired Units	Rule 57.B Factor = 0.12 lb PM / MMBTU	
Boiler > 100 MMBTU/Hr	3 lb/mmcf	0 00286 lb / MMBTU
Boiler 10 - 100 MMBTU/Hr	13.7 lb/mmcf	0 0131 lb / MMBTU
Boiler < 10 MMBTU/Hr	12 lb/mmcf	0 0114 lb / MMBTU
Turbine		0.0419 lb / MMBTU
Lean Burn Engine		0 046 lb / MMBTU
Rich Burn Engine		0 0007 lb / MMBTU
Fuel Oil or Diesel Fired Units	Rule 57.B Factor = 0 17 lb PM / MMBTU	
Fuel Oil Fired Boiler	2 lb / Mgal	0.014 lb / MMBTU
Fuel Oil Fired Turbine		0 061 lb/ MMBTU
Diesel Engine > 600 HP		0.062 lb/ MMBTU

Compliance with the emission limit for diesel engines < 600 HP has been shown through the conducting of a source test on an engine within Ventura County. This source test was conducted for the purpose of generating an emission factor to be used for Air Toxic "Hot Spots" emission estimations. The measured particulate concentration for this engine was 0.1 gr/dscf at 12 percent CO_2. The engine source test was a Cummins NTA engine rated at 335 horsepower at 2100 rpm The source test was conducted July 29, 1992.

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New-Indy Oxnard, LLC
Attachment to 8.i.Rule 74.11.1 - Title V Annual Certification

Date: 2/26/21
Conducted by: Zhen Han

Formal survey identifying each natural gas-fired water heater, boiler, steam generator and process heater with heat input capacity between 75,000 and 1,000,000 btu/hr.

	North Property Space Heaters	North Property Water Heater	Admin Water Heater	Maintenance Lunch Room Water Heater
Manufacturer	Modine Manufacturing Company	Bradford White Corporation	Rinnai Corporation	Bradford White Corporation
Brand name	Modine	Eco-Defender	Rinnai	Eco-Defender
Model number	PD 300AE0130	URG250T6N	RL94e (REU-VC2837WD-US)	URG250T6N
Heat input rating	300,000 BTU/hr	40,000 BTU/hr	199,000 BTU/hr	40,000 BTU/hr
Installation date		Nov-15	Jun-17	Oct-20
Certification status under VCAPCD Rule 74.11.1C or SCAQMD Rule 1146.2	None	Complies with jurisdictions having 10ng/J NOx Regs	Complies with SCAQMD Rule 1146.2 (<14 ng NOx/J)	Complies with jurisdictions having 10ng/J NOx Regs
Number of units	4	1	1	1
Comment	Rule 74.11.1C covers NG-fired water heaters, small boilers, steam generator or process heaters - NOT space heaters	Exempt - less than 75000 BTU/hr		Exempt - less than 75000 BTU/hr

NOTES:
* 2 steam cleaners - propane fired
* Sump pumps & welders - portable, not natural gas-fired