

## CYLINDER PRESSURE INVENTORY



All NOx values are in ppm

CYLINDER #	VALUE			EXPIRATION	PRESS	HECKE	STATUS	RECEIVED
	NO	NO2	NOx					
1 SG911321BAL	5.23	0.1	5.33	06/27/03	1800	07/08/02		
2 SG9170605BAL	5.25	1.0	6.25	12/19/02	1400	07/08/02		
3 SG9140098BAL	10.7	0.08	10.78	04/22/04	1900	07/08/02		05/02/02
4 SG9133682BAL	18	0.2	18.2	01/16/03	1700	07/08/02	In use 5	11/16/01
5 SG9151436BAL	34.3	0.0	34.3	08/14/02	1075	07/08/02		
6 SG865173ALB	56.9	0.4	57.3	03/19/03	1500	07/08/02	In use 5	05/02/02
7 SG9147526BAL	111	0.5	111.5	08/15/02	1600	07/08/02		
8 SG9132494BAL	119	0.7	119.7	01/16/03	1650	07/08/02		
9 SG9153179BAL	129	1.5	130.5	02/08/03	450	07/08/02		
10 SG9170127BAL	181	0.6	181.6	02/20/03	800	07/08/02		
11 SG9148655BAL	181	0.8	181.8	02/20/03	1950	07/08/02		
12 SG9166224BAL	182	0.8	182.8	02/20/03	1950	07/08/02		
13 AAL10243	200.2	4.0	204.2	10/28/02	1825	07/08/02	In use 3	07/09/02
14 ALM038554	200.2	4.0	204.2	10/28/02	1825	07/08/02	In use 4	07/09/02
15 SG9135147BAL	280	4.1	284.1	12/02/02	1600	07/08/02		11/16/01
16 SG9161563BAL	440	2.9	442.9	02/20/03	1950	07/08/02		
17 GC112436	446	2.3	448.3	02/20/03	1800	07/08/02	In use 3	
18 SG9150162BAL	461	3.0	464.0	12/02/02	1950	07/08/02	In use 4	
19 SG9146453BAL	2.01 %		O2	10/28/03	1150	07/08/02		
20 SG9141968	4.98 %		O2	07/19/03	1650	07/08/02		
21 SG9142494BAL	5.02 %		O2	06/18/04	1150	07/08/02		
22 SG9153913BAL	11 %		O2	10/28/03	1100	07/08/02		
23 918159	17.53 %		O2	07/09/05	2025	07/19/02		07/18/02
24 SG9142039BAL	17.9 %		O2	04/19/05	2000	07/19/02	In use 5	07/18/02
25 SG9115116BAL	17.9 %		O2	04/19/05	2000	07/08/02	In use 4	05/02/02
26 SGCC27706BAL	18 %		O2	04/03/05	2000	07/08/02	In use 3	04/11/02
28 SG91539026BAL	18.2 %		O2	04/19/05	2000	07/19/02		07/18/02
27 SG0008NBAL	18.1 %		O2	02/21/05	500	07/08/02	EMPTY	07/22/02

Site	Parameter	Start Date	Start Time	End Date	End Time	Com ID	Mon ID	Phase Type	Reference Value	Actual Value	T P A		Span	Limit	O O M L		Pass
											Y n P	p t p			Log APSF	Flg Error	
UNIT3	NOX_LO	07/25/02	09:30	07/25/02	09:37	003	303	1	0.0	-0.5	D L Y	250.000	5.0	0	Y Y N N	0.200000	PASS
			09:30	07/25/02	09:45	003	303	2	204.2	206.1	D H Y	250.000	5.0	0	Y Y N N	0.760000	PASS
			10:27	07/25/02	10:34	003	303	1	0.0	-0.4	D L Y	250.000	5.0	0	Y Y N N	0.160000	PASS
			10:27	07/25/02	10:42	003	303	2	204.2	206.6	D H Y	250.000	5.0	0	Y Y N N	0.960000	PASS
	O2		09:30	07/25/02	09:45	008	303	1	0.0	0.0	D L Y	20.000	1.0	0	Y Y N N	0.00	PASS
			09:30	07/25/02	09:37	008	303	2	18.0	18.1	D H Y	20.000	1.0	0	Y Y N N	0.100000	PASS
			10:27	07/25/02	10:42	008	303	1	0.0	0.0	D L Y	20.000	1.0	0	Y Y N N	0.00	PASS
			10:27	07/25/02	10:34	008	303	2	18.0	18.0	D H Y	20.000	1.0	0	Y Y N N	0.00	PASS
	OPACITY		05:00	07/25/02	05:01	005	303	1	0.0	0.1	B L Y	100.000	4.0	0	Y Y N N	0.100000	PASS
			05:00	07/25/02	05:02	005	303	2	39.0	38.6	B H Y	100.000	4.0	0	Y Y N N	0.400000	PASS

-999 = Invalid data  
 INTCHK = Interference check

Plant ID: VERO  
CALIBRATION GLANCE REPORT  
Report Period: 07/25/02 -- 07/25/02  
Report Run Time: 07/25/02 10:51

UNIT3

	END DATE	END TIME	LEVEL	EXPECTED	ACTUAL	CAL ERROR	RESULT
NOX_LO	07/25/02	09:37	ZERO	0.0	-0.5	0.2	CAL OK
		09:45	HIGH	204.2	206.1	0.8	CAL OK
		10:34	ZERO	0.0	-0.4	0.2	CAL OK
		10:42	HIGH	204.2	206.6	1.0	CAL OK
O2		09:45	ZERO	0.0	0.0	0.0	CAL OK
		09:37	HIGH	18.0	18.1	0.1	CAL OK
		10:42	ZERO	0.0	0.0	0.0	CAL OK
		10:34	HIGH	18.0	18.0	0.0	CAL OK
OPACITY		05:01	ZERO	0.0	0.1	0.1	CAL OK
		05:02	HIGH	39.0	38.6	0.4	CAL OK

-999 = Invalid data

Plant Name: VERO  
 General Average Report

Reporting Period: 07/25/2002 to 07/25/2002

Site Name: UNITS  
 Data Averaging Type: 1m

Time of Report: 07/25/02 10:02  
 Rolling Average Interval: 1

Date	Time	LOADMW (MW )	RGASFLOW (KSCFH )	ROIIFLOW (LB/HR )	O2 (PERCENT )	O2_WET (PERCENT )	NOX_O2 (PPM )	NOX#/MM (LB/MMBTU)
07/25/02	09:15	30.7	379.945	0.000F	15.5	13.1	5.2	0.019
	09:16	30.7	379.786	0.000F	15.4	13.1	5.1	0.019
	09:17	30.7	380.094	0.000F	15.4	13.0	5.1	0.019
	09:18	30.7	380.190	0.000F	15.4	13.0	5.1	0.019
	09:19	30.7	380.070	0.000F	15.4	12.8	5.1	0.019
	09:20	30.6	379.985	0.000F	15.4	12.9	5.1	0.019
	09:21	30.6	379.553	0.000F	15.4	13.0	5.1	0.019
	09:22	30.6	379.382	0.000F	15.5	13.0	5.1	0.019
	09:23	30.6	379.335	0.000F	15.4	13.0	5.1	0.019
	09:24	30.6	379.504	0.000F	15.4	13.0	5.1	0.019
	09:25	30.7	379.510	0.000F	15.4	13.1	5.1	0.019
	09:26	30.6	379.461	0.000F	15.4	12.9	5.1	0.019
	09:27	30.7	379.995	0.000F	15.4	13.0	5.1	0.019
	09:28	30.7	379.725	0.000F	15.4	12.9	5.1	0.019
	09:29	30.7	380.060	0.000F	15.4	12.9	5.1	0.019
	09:30	30.7	379.654	0.000F	15.4	12.9	5.1	0.019
	09:31	30.7	379.872	0.000F	15.5	12.9	5.1	0.019
	09:32	30.7	379.502	0.000F	15.4	12.9	5.1	0.019
	09:33	30.7	379.630	0.000F	15.4	13.0	5.1	0.019
	09:34	30.6	379.416	0.000F	15.4	12.9	5.1	0.019
	09:35	30.7	379.050	0.000F	15.4	12.9	5.1	0.019
	09:36	30.7	379.033	0.000F	15.4	13.1	5.1	0.019
	09:37	30.6	379.020	0.000F	15.4	13.0	5.1	0.019
	09:38	30.7	379.341	0.000F	15.4	13.0	5.1	0.019
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Average =		30.7	379.630	-999	15.4	13.0	5.1	0.019
Maximum =		30.7	380.190		15.5	13.1	5.2	0.019
Minimum =		30.6	379.020		15.4	12.8	5.1	0.019
Possible Values =		24	24	24	24	24	24	24
Included Values =		24	24	0	24	24	24	24
Total =		736.0	9111.113		370.6	311.2	122.9	0.448

- \* - excluded values (missing, OOC, invalid, suspect)
- < - missing
- T - out-of-control
- I - invalid
- S - suspect
- H - exceedance
- F - stack not operating
- B - invalid (FADER)
- U - missing data substituted
- 999 - missing value
- 888 - value could not be calculated

# EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method 9      203A      203B      Other: \_\_\_\_\_

Form Number \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Company Name  
**VELO BEACH**

Facility Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process  
**COMBUSTION TURBINE**      Unit # **15**      Operating Mode \_\_\_\_\_

Control Equipment \_\_\_\_\_      Operating Mode \_\_\_\_\_

Describe Emission Point  
**STALK**

Height of Emiss. Pt.      Height of Emiss. Pt. Rel. to Observer  
 Start **125 FT** End **125 FT**      Start \_\_\_\_\_ End \_\_\_\_\_

Distance to Emiss. Pt.      Direction to Emiss. Pt. (Degrees)  
 Start **400 FT** End **400 FT**      Start \_\_\_\_\_ End \_\_\_\_\_

Vertical Angle to Obs. Pt.      Direction to Obs. Pt. (Degrees)  
 Start \_\_\_\_\_ End \_\_\_\_\_      Start \_\_\_\_\_ End \_\_\_\_\_

Distance and Direction to Observation Point from Emission Point  
 Start **LDIA UP**      End **LDIA UP**

Describe Emissions  
 Start **NONE**      End **NONE**      Water Droplet Plume \_\_\_\_\_

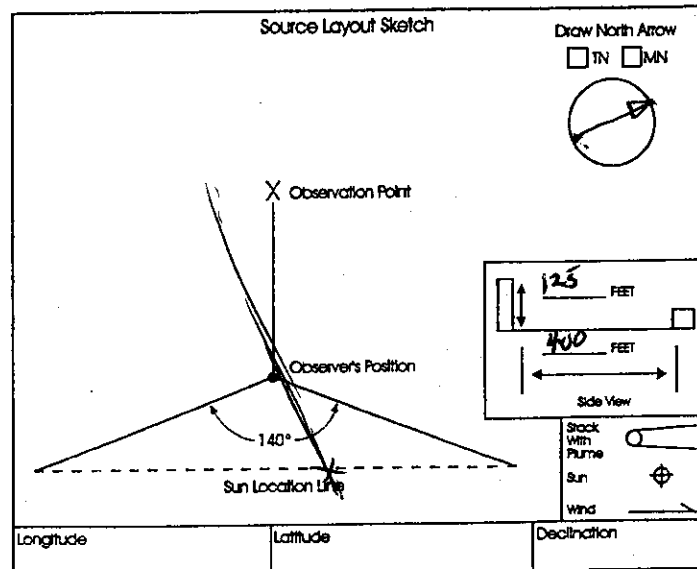
Emission Color      Attached       Detached       None

Describe Plume Background  
 Start **SKY**      End **SKY**

Background Color      Sky Conditions  
 Start **WHITE** End **WHITE**      Start **PT. CLOUDY** End **PT. CLOUDY**

Wind Speed      Wind Direction  
 Start **0-3** End **0-3**      Start **SE** End **SE**

Ambient Temp.      Wet Bulb Temp.      RH Percent  
 Start **90°** End **90°**      \_\_\_\_\_      \_\_\_\_\_



Sec	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
25 <sup>1</sup>	0	0	0	0	10:23		
24 <sup>2</sup>	0	0	0	0			
25 <sup>3</sup>	0	0	0	0			
26 <sup>4</sup>	0	0	0	0			
27 <sup>5</sup>	0	0	0	0			
28 <sup>6</sup>	0	0	0	0			
29 <sup>7</sup>	0	0	0	0			
30 <sup>8</sup>	0	0	0	0			
31 <sup>9</sup>	0	0	0	0			
32 <sup>10</sup>	0	0	0	0			
33 <sup>11</sup>	0	0	0	0			
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Observer's Name (Print) **GARY KUBERSKI**

Observer's Signature *Gary Kuberski*      Date **7/25/00**

Organization \_\_\_\_\_

Certified By \_\_\_\_\_      Date \_\_\_\_\_