

U.S. Filter/Westates Carbon
Parker, Arizona
Performance Demonstration Test One-Minute Average Monitoring Data
Test Run 3
March 30, 2006

11:50 - 12:39, 15:30 - 19:16

Date	Time	Spent Carbon Feed Rate (lb/min)	Temperatures (°F)					Differential Pressures ("wc)			Water Flows (gpm)			pH		WESP Secondary Voltage (KVDC)	Stack Exhaust Gas				
			Hearth 1	Hearth 2	Hearth 3	Hearth 4	Hearth 5	Afterburner	Venturi Outlet	Venturi Scrubber	Packed Bed	Venturi Total Blowdown	Scrubber Bed	Packed Bed	Venturi Scrubber Bed		Flow Rate (ACFM)	Oxygen (Dry Vol. %)	CO Raw (ppmvd)	CO @ 7%O2 (ppmvd)	
30-Mar-06	11:50	43.70	688	830	1393	1451	1645	1751	183	19.0	1.1	73.7	56.8	62.7	5.35	5.40	22.3	38.2	7089	8.4	14.1
30-Mar-06	11:51	22.92	1375	688	830	1393	1451	1650	1751	182	1.1	73.7	57.5	62.7	3.51	5.63	22.4	37.3	7089	8.6	14.4
30-Mar-06	11:52	40.21	2412	688	830	1393	1451	1653	1751	182	1.1	73.9	57.1	62.3	4.56	5.71	22.5	37.3	7007	8.6	14.1
30-Mar-06	11:53	55.51	3331	688	830	1393	1451	1658	1760	182	1.1	73.5	56.6	62.5	4.85	5.85	22.5	37.2	7007	8.8	14.8
30-Mar-06	11:54	56.68	3401	688	830	1393	1451	1657	1751	182	1.2	73.4	57.8	62.5	3.95	5.75	22.5	37.6	7158	9.1	15.2
30-Mar-06	11:55	57.49	3449	686	832	1393	1451	1648	1743	181	1.2	73.7	56.4	62.6	5.28	4.30	22.5	38.2	7286	9.3	15.2
30-Mar-06	11:56	58.50	3510	685	832	1394	1451	1648	1733	181	1.2	73.7	57.5	62.8	3.59	5.50	22.7	38.6	7286	9.3	15.0
30-Mar-06	11:57	56.30	3378	685	832	1398	1451	1648	1737	181	1.2	73.5	56.8	62.9	5.06	5.66	22.7	38.9	7390	9.0	13.4
30-Mar-06	11:58	20.71	1243	685	832	1398	1451	1648	1750	181	1.2	73.4	57.8	63.2	4.09	4.54	22.8	39.3	7465	8.9	11.2
30-Mar-06	11:59	29.90	1794	685	832	1398	1451	1648	1756	181	1.2	73.5	56.9	63.1	3.69	4.61	22.8	39.5	7408	9.0	11.0
30-Mar-06	12:00	56.04	3363	685	832	1403	1451	1648	1757	181	1.2	73.5	57.5	63.3	4.40	3.89	22.8	39.4	7418	9.0	11.0
30-Mar-06	12:01	55.51	3331	685	837	1403	1451	1648	1752	181	1.2	73.5	58.1	63.6	4.15	3.88	22.8	39.5	7471	9.2	11.2
30-Mar-06	12:02	55.45	3327	685	837	1403	1451	1648	1750	181	1.2	73.4	56.8	63.5	5.28	3.90	22.8	39.6	7471	9.3	11.1
30-Mar-06	12:03	55.03	3302	685	837	1403	1451	1648	1751	181	1.2	73.5	57.6	63.5	3.51	4.05	22.8	39.5	7440	9.3	10.6
30-Mar-06	12:04	54.33	3260	685	837	1408	1451	1652	1753	181	1.2	73.4	57.6	63.1	5.12	4.08	22.8	39.7	7440	9.2	10.3
30-Mar-06	12:05	54.57	3274	685	837	1408	1451	1653	1756	181	1.2	73.4	57.6	62.9	3.74	4.45	22.8	39.9	7484	9.3	10.0
30-Mar-06	12:06	54.41	3264	683	837	1408	1451	1653	1753	181	1.2	73.4	58.0	62.5	4.23	4.65	22.8	39.7	7424	9.5	9.8
30-Mar-06	12:07	53.71	3222	683	837	1408	1451	1653	1749	181	1.3	73.2	57.5	62.5	3.26	4.58	22.8	38.8	7089	9.6	9.9
30-Mar-06	12:08	54.12	3247	683	837	1408	1451	1653	1749	181	1.3	73.4	56.9	62.4	3.48	3.40	22.9	38.3	7333	9.4	9.7
30-Mar-06	12:09	54.24	3254	683	837	1408	1451	1653	1753	181	1.3	73.5	56.9	62.4	4.99	3.57	22.9	38.8	7421	9.4	9.6
30-Mar-06	12:10	54.48	3269	682	837	1408	1451	1653	1750	181	1.3	73.5	56.3	62.4	4.07	3.79	23.0	39.5	7455	9.6	9.6
30-Mar-06	12:11	54.86	3292	681	837	1408	1451	1653	1758	181	1.3	73.5	57.8	62.7	4.77	3.92	23.0	39.6	7468	9.3	9.6
30-Mar-06	12:12	54.13	3248	681	837	1408	1451	1653	1780	181	1.3	73.5	57.1	63.1	4.47	4.10	23.1	39.5	7374	9.2	8.5
30-Mar-06	12:13	54.70	3282	681	837	1408	1451	1653	1759	181	1.4	73.5	56.9	63.5	3.70	4.13	23.1	39.2	7377	9.8	10.1
30-Mar-06	12:14	55.94	3356	681	837	1408	1451	1653	1748	181	1.4	73.5	57.6	63.6	5.25	4.44	23.0	39.4	7531	9.8	10.7
30-Mar-06	12:15	55.85	3351	681	837	1408	1448	1653	1753	181	1.4	73.7	56.8	63.8	3.73	4.27	23.1	39.9	7531	9.6	9.9
30-Mar-06	12:16	55.96	3357	681	837	1408	1446	1653	1754	181	1.3	73.4	57.8	63.9	5.08	4.50	23.1	39.6	7343	9.7	9.8
30-Mar-06	12:17	55.40	3324	681	837	1407	1446	1653	1751	181	1.4	73.2	57.5	64.0	3.82	4.47	23.1	39.1	7343	9.6	10.4
30-Mar-06	12:18	55.78	3347	681	835	1403	1446	1653	1752	181	1.4	73.2	57.6	63.6	4.72	4.23	22.9	39.3	7484	9.6	10.2
30-Mar-06	12:19	56.65	3399	681	835	1403	1446	1653	1754	181	1.4	73.2	58.1	63.2	4.77	3.14	23.0	39.7	7484	9.6	10.1
30-Mar-06	12:20	56.78	3407	681	835	1403	1446	1653	1750	181	1.4	73.0	57.6	62.9	4.48	3.19	23.0	40.0	7556	9.7	10.3
30-Mar-06	12:21	56.84	3410	681	835	1403	1446	1650	1747	181	1.4	73.2	58.3	62.2	5.52	3.28	23.0	40.3	7556	9.6	10.1
30-Mar-06	12:22	57.49	3449	681	835	1403	1446	1651	1755	181	1.4	73.4	57.6	61.8	3.84	3.39	23.0	40.9	7819	9.5	9.2
30-Mar-06	12:23	58.44	3506	681	834	1403	1446	1654	1754	181	1.4	73.9	57.8	61.4	5.54	3.55	22.9	41.4	7819	9.7	9.2
30-Mar-06	12:24	57.12	3427	679	832	1403	1446	1657	1751	181	1.4	73.2	59.0	61.6	3.88	3.70	23.1	41.3	7706	9.6	9.9
30-Mar-06	12:25	56.52	3391	678	832	1403	1446	1657	1751	181	1.4	73.5	57.5	61.8	4.78	3.96	23.1	40.9	7697	9.4	10.1
30-Mar-06	12:26	56.53	3392	678	832	1403	1446	1657	1754	181	1.4	73.5	56.4	62.5	4.85	4.36	23.1	41.0	7794	9.3	9.9
30-Mar-06	12:27	56.94	3416	678	832	1401	1446	1651	1752	181	1.4	73.2	57.6	63.1	3.98	3.54	22.9	41.4	7822	9.4	9.8
30-Mar-06	12:28	56.79	3407	678	832	1398	1446	1648	1749	181	1.4	73.4	58.3	63.6	5.20	3.18	23.1	41.3	7665	9.4	9.6
30-Mar-06	12:29	56.56	3393	678	832	1398	1446	1650	1753	181	1.4	73.5	57.5	64.0	3.75	3.30	23.1	40.8	7672	9.2	9.1
30-Mar-06	12:30	56.86	3412	678	832	1398	1446	1650	1753	181	1.4	73.4	57.1	64.1	4.32	3.32	23.0	40.8	7672	9.3	9.0
30-Mar-06	12:31	57.16	3420	678	832	1398	1446	1650	1755	181	1.4	73.2	57.8	64.3	4.39	3.30	23.0	41.2	7800	9.3	9.0
30-Mar-06	12:32	57.00	3420	678	832	1398	1446	1646	1751	181	1.4	72.7	58.1	64.0	3.34	3.34	23.1	41.5	7800	9.3	9.2
30-Mar-06	12:33	56.72	3403	678	832	1398	1446	1643	1753	181	1.4	72.7	58.3	63.7	4.81	3.32	23.0	41.6	7825	9.2	9.1
30-Mar-06	12:34	56.79	3408	678	832	1398	1448	1652	1758	182	1.4	72.6	58.0	63.0	3.52	3.37	23.1	41.6	7825	9.1	8.9
30-Mar-06	12:35	57.16	3430	678	832	1398	1451	1652	1753	182	1.4	72.7	57.5	62.3	4.96	3.46	23.1	41.7	7869	9.2	9.6
30-Mar-06	12:36	56.95	3417	678	832	1398	1451	1651	1750	182	1.4	72.7	57.3	61.8	3.47	3.55	22.8	41.7	7853	9.2	9.7
30-Mar-06	12:37	56.83	3410	678	832	1398	1451	1652	1753	182	1.4	72.9	58.1	61.5	5.15	3.82	23.0	41.6	7769	9.1	9.2
30-Mar-06	12:38	57.11	3427	678	832	1398	1451	1654	1757	182	1.4	73.0	58.5	61.2	3.48	4.22	23.0	41.1	7687	9.0	9.8
30-Mar-06	15:30	55.70	3342	690	832	1402	1453	1651	1747	181	1.2	73.2	59.0	62.7	3.90	5.58	21.8	37.4	7017	9.2	14.9
30-Mar-06	15:31	52.77	3166	690	832	1402	1453	1651	1749	181	1.2	73.5	58.5	62.6	4.65	5.72	21.8	37.4	7045	9.1	14.2
30-Mar-06	15:32	55.55	3333	690	832	1402	1453	1651	1755	181	1.1	73.2	58.1	62.5	3.34	5.75	21.7	37.5	7136	9.1	13.6

U.S. Filter/Westates Carbon
Parker, Arizona
Performance Demonstration Test One-Minute Average Monitoring Data
Test Run 3
March 30, 2006

11:50 - 12:39, 15:30 - 19:16

Date	Time	Spent Carbon Feed Rate (lb/min)	Spent Carbon Rate (lb/hr)	Temperatures (°F)							Differential Pressures ("wc)			Water Flows (gpm)			pH		WESP Secondary Voltage (KVDC)	Stack Exhaust Gas			
				Hearth 1	Hearth 2	Hearth 3	Hearth 4	Hearth 5	Afterburner	Venturi Outlet	Venturi Scrubber	Packed Bed	Venturi Scrubber Total Blowdown	Packed Bed	Venturi Scrubber	Packed Bed	Venturi Scrubber	Velocity (fps)		Flow Rate (ACFM)	Oxygen (Dry Vol. %)	CO Raw (ppmvd)	CO @ 7%O2 (ppmvd)
30-Mar-06	15:33	51.32	3079	690	832	1402	1453	1651	1753	181	17.8	73.4	59.5	62.8	4.87	4.98	21.8	7158	9.2	13.8	20.8		
30-Mar-06	15:34	54.18	3251	690	832	1402	1453	1651	1753	181	17.8	73.4	58.5	62.7	3.37	3.09	21.7	7039	9.3	13.8	20.5		
30-Mar-06	15:35	55.15	3309	690	832	1402	1453	1651	1752	181	17.8	73.2	59.0	63.0	3.69	3.41	21.5	6904	9.3	14.4	22.0		
30-Mar-06	15:36	54.22	3253	690	832	1402	1452	1651	1748	181	17.8	73.2	58.5	63.1	4.71	3.47	21.7	7042	9.3	14.7	22.0		
30-Mar-06	15:37	55.17	3310	690	832	1402	1448	1649	1747	181	17.9	73.5	59.7	63.2	3.23	3.45	21.4	7042	9.2	14.6	22.0		
30-Mar-06	15:38	55.04	3302	690	832	1402	1448	1646	1750	181	17.7	73.0	59.5	63.1	4.69	3.56	21.6	7101	9.2	13.7	20.5		
30-Mar-06	15:39	52.33	3140	690	832	1402	1448	1646	1755	181	17.8	73.0	59.1	63.1	3.74	3.68	21.7	7101	9.3	13.2	19.0		
30-Mar-06	15:40	53.62	3217	690	832	1402	1448	1646	1751	181	17.7	73.4	59.1	63.1	3.67	3.69	21.6	7070	9.2	13.9	21.0		
30-Mar-06	15:41	51.77	3106	690	832	1402	1448	1645	1750	181	17.7	73.4	58.3	62.8	4.75	3.83	21.4	7070	9.1	14.4	21.7		
30-Mar-06	15:42	52.45	3147	690	832	1402	1448	1643	1751	181	17.7	73.0	59.5	62.9	3.27	3.97	21.6	6951	9.1	14.4	21.7		
30-Mar-06	15:43	54.99	3299	690	832	1402	1448	1649	1749	181	17.7	73.5	58.1	62.9	4.78	4.15	21.7	37.0	9.1	14.6	21.7		
30-Mar-06	15:44	52.78	3167	690	832	1402	1453	1649	1752	181	17.8	73.4	59.5	62.8	3.55	3.38	21.7	37.1	9.1	14.3	21.2		
30-Mar-06	15:45	50.35	3021	690	832	1402	1453	1651	1755	181	17.7	73.5	58.8	62.7	3.65	3.26	21.6	37.2	9.0	14.4	21.5		
30-Mar-06	15:46	54.80	3288	690	832	1402	1453	1654	1752	181	17.8	73.5	59.5	63.1	4.57	3.38	21.7	37.6	9.1	14.8	21.7		
30-Mar-06	15:47	52.55	3153	690	832	1402	1453	1653	1748	181	17.8	73.0	58.6	62.9	3.23	3.47	21.6	38.4	9.2	14.9	22.0		
30-Mar-06	15:48	53.59	3215	690	832	1402	1453	1646	1747	181	17.7	73.2	57.6	63.2	4.51	3.51	21.7	38.6	9.3	14.3	21.7		
30-Mar-06	15:49	55.62	3337	690	832	1402	1453	1648	1751	181	17.8	73.4	60.8	63.0	3.71	3.61	21.7	38.6	9.3	13.3	19.3		
30-Mar-06	15:50	53.61	3217	690	832	1402	1453	1655	1755	181	17.7	73.1	58.3	63.2	3.63	3.68	21.6	38.4	9.1	13.3	19.8		
30-Mar-06	15:51	50.61	3037	690	832	1402	1453	1655	1752	181	17.7	73.2	58.8	63.1	4.85	3.01	21.6	38.0	9.2	14.1	20.8		
30-Mar-06	15:52	54.24	3254	690	832	1402	1453	1655	1748	181	17.8	73.4	59.1	63.2	3.18	3.10	21.5	37.6	9.2	14.5	21.7		
30-Mar-06	15:53	50.46	3027	690	832	1402	1453	1644	1748	181	17.8	73.5	59.7	62.9	4.12	3.18	21.7	37.6	9.3	14.2	21.5		
30-Mar-06	15:54	51.03	3062	690	832	1402	1449	1643	1756	181	17.8	73.2	59.3	63.0	4.22	3.21	21.6	37.8	9.3	13.9	20.3		
30-Mar-06	15:55	54.92	3295	690	832	1402	1448	1643	1752	181	17.8	73.4	59.0	62.8	3.32	3.29	21.7	37.7	9.4	14.5	21.7		
30-Mar-06	15:56	53.87	3232	690	832	1402	1448	1643	1749	181	17.9	72.4	59.1	62.7	4.54	3.33	21.7	37.7	9.4	15.4	22.5		
30-Mar-06	15:57	48.01	2881	690	832	1402	1448	1643	1748	181	18.0	73.2	59.5	62.7	3.65	3.41	21.7	37.7	9.3	15.4	22.5		
30-Mar-06	15:58	56.00	3360	690	832	1402	1448	1644	1753	181	17.9	73.2	58.8	62.6	3.83	3.50	21.8	37.6	9.2	15.1	22.2		
30-Mar-06	15:59	10.79	647	690	832	1402	1451	1648	1756	181	18.1	73.0	58.6	63.0	4.59	3.53	21.7	37.7	9.3	15.0	22.0		
30-Mar-06	16:00	12.44	747	690	832	1402	1453	1651	1755	181	18.1	72.7	58.6	63.2	3.05	3.63	21.9	37.9	9.2	15.8	23.0		
30-Mar-06	16:01	56.71	3343	690	832	1402	1453	1653	1751	181	17.9	72.7	59.1	63.1	3.44	3.76	21.8	38.1	9.3	16.5	23.9		
30-Mar-06	16:02	43.14	2588	690	832	1402	1453	1653	1743	181	18.1	73.0	59.5	63.2	4.89	4.00	21.6	38.2	9.4	16.6	23.9		
30-Mar-06	16:03	45.45	2727	690	832	1402	1453	1653	1744	181	18.2	72.7	59.1	63.0	3.32	4.01	21.8	37.9	9.3	15.3	22.5		
30-Mar-06	16:04	40.80	2448	690	832	1402	1453	1657	1754	181	18.1	72.7	58.0	63.1	3.76	4.10	21.8	37.5	9.3	14.0	20.5		
30-Mar-06	16:05	46.50	2790	690	832	1402	1453	1657	1755	180	18.0	72.9	57.8	63.1	4.48	4.28	21.5	37.6	9.5	13.9	20.5		
30-Mar-06	16:06	52.66	3160	690	832	1403	1453	1657	1747	180	18.1	72.9	58.3	63.2	3.23	3.00	21.7	38.1	9.7	14.2	21.2		
30-Mar-06	16:07	47.22	2833	690	832	1407	1453	1657	1747	180	18.1	72.7	58.6	62.9	4.59	3.26	21.7	38.2	9.6	13.5	19.5		
30-Mar-06	16:08	54.36	3262	690	832	1407	1453	1657	1751	180	18.1	72.9	59.3	62.9	3.70	3.29	21.7	38.1	9.6	12.6	18.8		
30-Mar-06	16:09	52.42	3145	688	834	1412	1453	1657	1753	180	18.0	72.6	58.6	62.6	3.82	3.38	21.8	37.8	9.7	12.1	17.8		
30-Mar-06	16:10	53.16	3189	688	835	1412	1453	1655	1751	180	18.0	72.9	58.3	62.9	4.77	3.44	21.8	37.9	9.9	11.7	17.3		
30-Mar-06	16:11	56.59	3395	688	835	1417	1453	1653	1745	180	18.1	72.7	60.0	63.0	3.26	3.54	21.8	38.4	10.0	11.7	17.8		
30-Mar-06	16:12	55.36	3322	688	835	1417	1453	1650	1749	180	18.0	72.7	59.1	63.2	4.76	3.71	21.7	38.7	9.9	10.9	17.3		
30-Mar-06	16:13	51.03	3062	686	835	1417	1453	1650	1755	180	18.1	72.7	59.1	63.0	3.77	3.80	21.8	38.7	9.9	10.5	16.4		
30-Mar-06	16:14	56.99	3419	685	835	1417	1453	1650	1753	180	18.0	72.7	59.1	63.0	3.92	3.88	21.7	38.6	10.0	10.8	17.1		
30-Mar-06	16:15	54.54	3272	685	835	1417	1453	1650	1755	180	18.0	72.9	59.3	63.1	4.56	4.24	21.6	38.6	10.0	11.0	17.8		
30-Mar-06	16:16	55.96	3358	685	832	1417	1453	1650	1747	180	18.0	72.9	59.3	63.1	3.35	4.32	21.7	38.6	10.1	11.4	18.6		
30-Mar-06	16:17	57.59	3455	684	832	1415	1452	1650	1748	180	18.1	72.7	60.0	63.0	4.95	4.45	21.7	38.6	10.0	11.3	18.3		
30-Mar-06	16:18	57.68	3461	683	832	1412	1448	1654	1755	180	18.0	72.9	58.3	63.0	3.37	4.83	21.6	38.5	9.8	11.0	16.6		
30-Mar-06	16:19	52.41	3145	683	831	1412	1448	1659	1757	180	17.9	72.6	59.1	62.8	4.11	4.20	21.8	38.4	9.9	11.0	16.8		
30-Mar-06	16:20	56.11	3367	683	830	1412	1448	1661	1751	180	18.0	72.6	59.3	62.7	4.27	3.08	21.6	38.5	10.0	11.8	18.1		
30-Mar-06	16:21	51.72	3103	683	830	1407	1448	1657	1748	180	17.9	72.7	59.0	62.6	3.51	3.28	21.7	38.6	10.0	11.8	19.3		
30-Mar-06	16:22	49.44	2966	683	830	1407	1448	1653	1748	180	18.0	72.6	59.7	62.6	4.97	3.33	21.6	38.2	10.0	11.6	18.6		
30-Mar-06	16:23	56.98	3539	683	830	1404	1448	1652	1752	180	18.0	72.9	59.3	62.5	3.25	3.44	21.5	37.7	9.8	11.2	17.3		
30-Mar-06	16:24	52.20	3132	683	830	1402	1448	1652	1754	180	18.0	72.7	58.3	62.9	4.33	3.55	21.6	37.4	9.9	11.3	16.8		

Date	Time	Spent Carbon Feed Rate (lb/min)	Temperatures (°F)					Differential Pressures ("wc)			Water Flows (gpm)			pH	WESP Secondary Voltage (KVDC)	Stack Exhaust Gas						
			Hearth 1	Hearth 2	Hearth 3	Hearth 4	Hearth 5	Afterburner	Venturi Outlet	Venturi Scrubber	Packed Bed	Venturi Scrubber Total Blowdown	Packed Bed	Venturi Scrubber		Flow Rate (ACFM)	Oxygen (Dry Vol. %)	CO Raw (ppmvd)	CO @ 7%O2 (ppmvd)			
30-Mar-06	16:25	53.07	3184	681	830	1402	1448	1649	1753	180	17.9	72.6	59.7	63.0	3.98	3.56	21.6	37.4	7101	9.9	11.6	17.8
30-Mar-06	16:26	58.26	3496	680	828	1402	1448	1643	1750	180	18.0	72.7	59.1	63.0	3.85	3.76	21.5	37.4	7101	9.9	11.6	17.8
30-Mar-06	16:27	51.65	3099	680	825	1402	1448	1646	1751	181	18.0	73.0	58.6	63.0	3.83	21.5	37.1	6935	9.8	12.0	17.8	
30-Mar-06	16:28	52.27	3136	680	825	1397	1448	1647	1754	180	18.0	72.9	59.0	63.0	3.92	21.6	37.2	6935	9.7	12.1	17.8	
30-Mar-06	16:29	58.50	3510	680	825	1397	1448	1650	1753	180	18.0	72.7	59.3	62.8	4.70	4.08	21.5	37.6	7061	9.7	12.6	18.3
30-Mar-06	16:30	51.05	3063	680	825	1397	1451	1652	1752	180	18.1	72.9	58.0	62.6	3.72	4.20	21.3	37.4	6982	9.7	12.6	18.3
30-Mar-06	16:31	53.02	3181	680	825	1397	1453	1652	1752	181	18.1	72.7	59.7	62.6	4.03	3.59	21.5	37.1	6951	9.7	12.8	18.3
30-Mar-06	16:32	56.09	3365	680	825	1397	1453	1652	1750	181	18.1	72.9	59.5	62.4	4.34	3.12	21.6	37.0	6970	9.7	12.9	18.8
30-Mar-06	16:33	48.56	2914	680	825	1392	1448	1652	1748	181	18.2	72.7	58.8	62.6	3.54	3.24	21.4	37.0	6982	9.7	13.1	19.0
30-Mar-06	16:34	46.82	2809	680	825	1392	1448	1652	1752	180	18.2	72.9	59.5	62.8	4.93	3.35	21.4	36.8	6954	9.6	12.7	18.6
30-Mar-06	16:35	55.48	3329	680	825	1392	1448	1652	1753	181	18.1	73.0	59.3	62.9	3.23	3.44	21.6	36.3	6797	9.7	12.7	18.8
30-Mar-06	16:36	47.17	2830	680	825	1392	1448	1652	1755	181	18.1	73.0	58.5	63.0	4.54	3.52	21.4	36.3	6863	9.6	13.0	18.8
30-Mar-06	16:37	52.82	3169	680	825	1392	1448	1647	1753	181	18.2	73.0	59.0	63.1	3.92	3.61	21.5	36.4	6863	9.7	13.4	19.0
30-Mar-06	16:38	52.18	3131	680	825	1392	1448	1647	1748	181	18.6	72.9	58.5	63.0	3.72	3.70	21.5	36.5	6929	9.6	14.0	21.2
30-Mar-06	16:39	44.79	2687	680	825	1392	1448	1647	1750	181	18.6	72.4	59.8	63.1	4.79	3.82	21.4	36.8	6929	9.5	14.1	21.2
30-Mar-06	16:40	50.15	3009	680	825	1392	1451	1647	1754	180	18.7	72.4	59.1	62.8	3.28	4.11	21.5	37.3	7082	9.6	13.6	20.3
30-Mar-06	16:41	48.24	2894	680	825	1392	1453	1647	1750	181	18.7	72.4	59.1	62.5	4.81	4.23	21.6	37.7	7082	9.7	13.8	20.8
30-Mar-06	16:42	49.47	2728	680	825	1392	1453	1647	1746	181	18.7	72.6	59.7	62.7	3.74	4.52	21.5	37.7	7035	9.6	14.1	21.2
30-Mar-06	16:43	45.06	2944	680	825	1392	1453	1647	1753	181	18.6	72.6	59.1	62.6	3.78	3.65	21.7	37.3	7035	9.4	13.6	20.3
30-Mar-06	16:44	44.64	2679	682	825	1394	1453	1652	1756	181	18.6	72.6	60.3	62.8	4.64	3.45	21.7	37.4	7104	9.5	13.4	19.3
30-Mar-06	16:45	42.53	2552	683	825	1397	1453	1654	1749	180	18.7	72.6	58.1	62.6	3.31	3.73	21.7	37.8	7126	9.7	14.1	21.0
30-Mar-06	16:46	53.03	3182	683	825	1397	1453	1654	1749	180	18.7	72.7	59.7	62.9	4.93	3.81	21.7	37.8	7095	9.7	13.5	19.5
30-Mar-06	16:47	46.26	2775	683	825	1397	1453	1657	1749	180	18.7	72.7	59.3	62.9	3.55	4.04	21.7	37.8	7136	9.8	12.8	18.3
30-Mar-06	16:48	53.04	3182	683	827	1397	1453	1657	1749	180	18.2	72.4	58.6	63.1	4.00	4.30	21.7	37.7	7039	9.8	12.5	18.6
30-Mar-06	16:49	51.26	3076	683	827	1400	1453	1655	1751	180	18.2	72.4	59.7	63.2	3.51	3.55	21.8	37.2	6941	9.9	12.6	18.8
30-Mar-06	16:50	48.86	2931	683	827	1402	1453	1652	1752	180	18.1	72.6	58.5	63.0	3.50	3.28	21.8	37.0	6988	9.9	12.4	18.3
30-Mar-06	16:51	44.32	2659	683	827	1402	1453	1652	1749	180	18.1	72.7	58.3	62.7	4.90	3.43	21.6	37.0	6970	9.9	12.3	19.0
30-Mar-06	16:52	49.24	2954	683	827	1402	1453	1652	1755	180	18.1	72.9	60.2	62.5	3.22	3.52	21.8	37.1	6970	9.9	11.7	17.1
30-Mar-06	16:53	45.95	2757	683	827	1407	1453	1652	1754	180	18.0	72.7	60.2	62.6	4.43	3.56	21.7	36.8	6716	9.9	11.8	17.6
30-Mar-06	16:54	44.56	2674	683	827	1407	1453	1652	1748	180	18.1	72.6	59.1	62.4	4.06	3.81	21.7	36.0	6716	10.0	12.2	20.0
30-Mar-06	16:55	42.98	2579	683	827	1407	1453	1652	1751	180	18.1	73.2	57.6	62.5	3.85	3.85	21.8	36.1	6923	9.9	11.8	18.3
30-Mar-06	16:56	46.86	2812	683	827	1407	1453	1652	1756	180	18.0	73.2	58.0	62.7	4.72	4.17	21.8	36.8	6923	9.9	11.5	18.8
30-Mar-06	16:57	51.65	3099	683	827	1407	1453	1652	1752	180	17.9	73.2	58.5	62.8	3.30	4.06	21.8	37.1	7064	10.1	12.0	18.3
30-Mar-06	16:58	42.53	2552	683	827	1407	1448	1652	1747	180	18.0	73.0	58.5	63.1	4.80	3.13	21.8	37.8	7064	10.0	12.2	20.0
30-Mar-06	16:59	42.93	2576	683	827	1407	1448	1652	1755	180	18.0	73.0	58.6	63.0	3.70	3.33	21.8	38.2	7220	9.9	11.3	17.3
30-Mar-06	17:00	46.96	2817	683	827	1407	1448	1652	1755	180	17.9	73.0	58.0	63.1	3.72	3.31	21.7	38.4	7252	10.0	11.4	18.1
30-Mar-06	17:01	46.45	2787	683	827	1407	1448	1652	1753	180	17.9	73.4	58.1	63.1	4.75	3.38	21.8	38.4	7227	10.0	11.9	19.3
30-Mar-06	17:02	44.04	2642	683	827	1407	1448	1652	1752	180	17.9	73.2	58.3	62.5	3.21	3.51	21.8	38.4	7227	10.1	12.1	19.3
30-Mar-06	17:03	44.42	2665	683	827	1407	1452	1652	1750	180	17.9	73.2	57.6	62.7	4.67	3.54	21.8	38.4	7264	10.1	12.0	19.8
30-Mar-06	17:04	45.56	2734	683	827	1407	1453	1652	1753	180	17.9	73.2	59.5	62.4	3.73	3.64	21.8	38.5	7202	10.0	11.7	18.3
30-Mar-06	17:05	52.11	3127	681	827	1407	1453	1652	1753	180	17.8	73.2	58.6	62.6	3.79	3.82	21.6	38.1	7079	10.0	11.7	18.3
30-Mar-06	17:06	55.61	3337	680	827	1407	1453	1652	1751	180	17.8	73.0	58.3	62.6	4.89	4.02	21.7	38.1	7242	10.1	11.8	19.3
30-Mar-06	17:07	54.14	3248	680	827	1407	1453	1652	1748	180	17.8	73.4	58.6	62.9	3.31	4.11	21.6	38.2	7242	10.1	11.9	19.8
30-Mar-06	17:08	53.48	3209	680	827	1407	1453	1652	1753	180	17.8	73.4	58.0	62.8	4.82	4.37	21.7	38.0	7089	10.0	11.0	19.0
30-Mar-06	17:09	59.71	3583	678	827	1407	1453	1652	1758	180	17.6	73.2	58.0	62.9	3.48	4.85	21.7	38.2	7089	10.1	10.9	17.1
30-Mar-06	17:10	62.49	3749	678	827	1407	1453	1652	1752	180	17.3	73.5	58.6	62.9	4.03	4.80	21.8	38.4	7186	10.2	11.9	20.5
30-Mar-06	17:11	64.80	3888	678	825	1407	1452	1649	1747	180	17.4	73.4	58.0	62.8	4.80	3.11	21.5	38.2	7192	10.1	12.3	20.8
30-Mar-06	17:12	66.20	3972	678	825	1407	1448	1647	1752	180	17.4	73.2	57.8	62.9	3.25	3.14	21.6	38.1	7161	9.9	11.6	18.3
30-Mar-06	17:13	67.56	4054	678	825	1403	1448	1647	1757	180	17.1	73.4	58.1	62.7	4.72	3.19	21.5	38.6	7393	9.9	11.1	17.8
30-Mar-06	17:14	66.38	4103	678	825	1402	1448	1647	1754	180	17.1	73.4	59.5	62.6	3.62	3.23	21.5	38.6	7158	10.0	12.3	18.3
30-Mar-06	17:15	41.98	2519	678	825	1402	1448	1647	1749	181	17.2	73.4	58.8	62.7	4.20	3.27	21.5	38.1	7095	10.0	13.4	21.0
30-Mar-06	17:16	42.09	2525	678	825	1399	1448	1647	1751	181	17.2	73.4	58.5	62.7	4.21	3.38	21.5	37.6	7032	9.7	13.4	20.0

Date	Time	Spent Carbon Feed Rate (lb/min)	Temperatures (°F)					Differential Pressures ("wc)			Water Flows (gpm)			pH	WESP Secondary Voltage (KVDC)	Stack Exhaust Gas						
			Hearth 1	Hearth 2	Hearth 3	Hearth 4	Hearth 5	Afterburner	Venturi Outlet	Venturi Scrubber	Packed Bed	Venturi Scrubber Total Blowdown	Packed Bed	Venturi Scrubber		Flow Rate (ACFM)	Oxygen (Dry Vol. %)	CO Raw (ppmvd)	CO @ 7%O2 (ppmvd)			
30-Mar-06	17:17	56.99	3420	678	825	1397	1448	1647	1757	1757	181	734	59.3	62.8	3.50	346	21.1	37.7	7195	9.6	13.4	18.8
30-Mar-06	17:18	49.88	2993	678	825	1397	1448	1647	1753	1753	181	735	58.5	62.9	4.84	353	21.4	38.3	7277	9.7	14.0	20.8
30-Mar-06	17:19	60.30	3618	678	825	1397	1448	1647	1748	1748	181	734	58.3	63.0	3.33	367	21.4	38.4	7167	9.7	14.3	21.5
30-Mar-06	17:20	49.96	2998	678	824	1394	1448	1647	1751	1751	181	734	59.0	63.1	4.83	370	21.4	38.2	7220	9.5	14.5	22.0
30-Mar-06	17:21	63.67	3820	678	822	1392	1448	1647	1755	1755	181	737	58.3	63.0	3.56	379	21.4	38.3	7186	9.5	14.7	21.5
30-Mar-06	17:22	59.89	3593	678	822	1392	1448	1647	1752	1752	181	735	57.8	63.1	4.06	389	21.3	38.0	7186	9.6	15.3	22.2
30-Mar-06	17:23	37.74	2264	678	822	1392	1448	1652	1747	1747	181	734	58.6	62.9	4.32	395	21.4	37.8	7142	9.6	15.4	22.7
30-Mar-06	17:24	61.89	3713	678	822	1392	1448	1652	1753	1753	182	734	57.6	62.8	3.51	326	21.3	37.8	7142	9.4	15.6	22.7
30-Mar-06	17:25	35.12	2107	678	822	1392	1448	1652	1753	1753	182	735	58.8	62.9	5.04	323	21.4	37.7	7082	9.4	16.4	23.4
30-Mar-06	17:26	50.38	3023	680	822	1392	1448	1648	1754	1754	182	735	58.0	62.8	3.31	340	21.5	37.6	7082	9.3	17.4	24.4
30-Mar-06	17:27	19.93	1196	680	822	1392	1448	1647	1752	1752	182	737	59.1	62.7	4.31	341	21.4	37.5	7067	9.4	18.6	25.9
30-Mar-06	17:28	16.21	972	680	822	1392	1448	1647	1748	1748	182	734	58.1	62.8	4.32	347	21.5	37.7	7067	9.3	19.0	26.1
30-Mar-06	17:29	27.64	1658	680	822	1392	1448	1647	1749	1749	182	735	58.3	63.0	3.39	356	21.4	37.7	7104	9.1	19.5	26.1
30-Mar-06	17:30	28.51	1710	682	822	1392	1448	1647	1752	1752	182	735	58.8	63.1	4.76	358	21.3	37.8	7136	9.0	20.3	28.1
30-Mar-06	17:31	43.73	2624	683	822	1392	1448	1647	1752	1752	182	734	58.3	63.2	3.52	373	21.1	38.1	7227	9.1	20.4	27.8
30-Mar-06	17:32	42.02	2521	683	822	1392	1450	1647	1749	1749	182	735	59.1	63.2	4.00	371	21.4	38.3	7214	9.1	20.8	28.8
30-Mar-06	17:33	42.95	2577	683	822	1392	1453	1649	1751	1751	182	735	58.3	63.2	4.42	377	21.2	38.5	7286	9.1	20.4	28.3
30-Mar-06	17:34	49.81	2988	684	823	1392	1453	1654	1751	1751	182	735	58.6	63.1	3.37	392	21.3	38.8	7333	9.1	20.0	28.1
30-Mar-06	17:35	47.06	2823	685	825	1392	1453	1652	1748	1748	181	734	57.6	62.9	4.78	377	21.3	38.8	7333	9.2	20.0	28.1
30-Mar-06	17:36	39.48	2369	685	825	1395	1453	1649	1746	1746	181	735	59.3	62.8	3.59	391	21.3	38.6	7255	9.3	19.3	26.4
30-Mar-06	17:37	47.45	2747	685	825	1397	1453	1647	1748	1748	181	735	59.0	62.3	4.02	431	21.2	38.4	7255	9.2	18.3	25.4
30-Mar-06	17:38	46.33	2780	685	825	1399	1453	1647	1753	1753	181	735	59.5	62.4	4.71	456	21.4	38.1	7117	9.3	17.3	24.4
30-Mar-06	17:39	45.94	2756	685	825	1402	1453	1652	1749	1749	181	734	57.8	62.5	3.29	311	21.3	38.0	7117	9.5	17.0	23.9
30-Mar-06	17:40	48.94	2936	685	827	1405	1453	1652	1747	1747	181	734	58.3	62.6	4.66	330	21.5	38.2	7202	9.5	17.1	23.9
30-Mar-06	17:41	52.10	3126	685	827	1407	1453	1652	1755	1755	181	735	58.1	62.7	3.65	336	21.4	38.3	7245	9.4	16.4	23.2
30-Mar-06	17:42	51.76	3106	685	827	1407	1453	1652	1753	1753	181	735	56.9	62.9	3.78	341	21.4	38.6	7311	9.6	17.0	23.7
30-Mar-06	17:43	55.03	3302	685	827	1407	1453	1652	1747	1747	180	735	57.6	62.9	4.80	347	21.3	38.6	7195	9.7	17.2	24.2
30-Mar-06	17:44	56.93	3416	685	827	1407	1453	1654	1744	1744	180	732	58.6	63.0	3.29	352	21.6	38.1	7057	9.7	16.3	23.4
30-Mar-06	17:45	57.36	3442	685	827	1407	1451	1656	1746	1746	180	737	58.0	63.1	4.66	361	21.4	37.6	7057	9.6	16.2	23.4
30-Mar-06	17:46	55.31	3319	685	827	1407	1448	1651	1755	1755	180	735	58.0	63.1	3.78	359	21.6	37.8	7151	9.6	16.0	23.0
30-Mar-06	17:47	46.06	2763	685	827	1407	1448	1650	1748	1748	181	734	57.1	62.9	3.92	367	21.6	37.8	7079	9.8	16.7	23.7
30-Mar-06	17:48	46.38	2783	685	827	1407	1448	1646	1742	1742	181	734	57.1	62.6	4.75	382	21.7	37.6	7067	9.7	17.1	23.9
30-Mar-06	17:49	39.45	2367	683	827	1407	1448	1646	1744	1744	181	734	57.5	62.6	3.21	397	21.6	37.5	7076	9.7	17.2	24.2
30-Mar-06	17:50	41.87	2512	683	827	1407	1448	1646	1746	1746	181	735	58.5	62.7	4.41	424	21.7	37.5	7013	9.6	17.3	23.9
30-Mar-06	17:51	39.44	2367	683	827	1407	1448	1646	1748	1748	181	734	57.6	63.1	4.04	404	21.6	37.3	6995	9.5	17.3	24.2
30-Mar-06	17:52	38.61	2316	683	827	1404	1448	1646	1752	1752	181	735	58.8	62.9	3.59	336	21.6	37.4	6995	9.4	17.6	24.7
30-Mar-06	17:53	33.03	1982	683	827	1402	1448	1646	1758	1758	181	735	58.8	63.2	4.86	328	21.6	38.0	7267	9.3	18.3	25.6
30-Mar-06	17:54	34.98	2099	683	827	1402	1448	1646	1762	1762	181	735	57.6	62.9	3.22	339	21.6	38.6	7267	9.3	18.0	24.7
30-Mar-06	17:55	33.43	2006	683	827	1402	1448	1649	1756	1756	181	735	58.3	63.2	4.09	339	21.4	38.5	7180	9.5	18.5	25.4
30-Mar-06	17:56	34.94	2096	683	827	1402	1448	1651	1748	1748	181	735	57.8	63.1	4.19	345	21.4	38.0	7180	9.5	19.6	27.1
30-Mar-06	17:57	40.52	2431	683	827	1402	1448	1651	1743	1743	181	737	58.3	63.0	3.75	351	21.3	37.6	7092	9.5	19.2	26.4
30-Mar-06	17:58	41.54	2493	683	827	1402	1448	1651	1742	1742	181	735	57.8	62.7	5.28	355	21.3	37.8	7092	9.4	17.6	24.4
30-Mar-06	17:59	46.80	2808	683	827	1402	1453	1654	1747	1747	180	735	57.6	62.7	3.53	368	21.3	37.9	7082	9.4	15.8	23.2
30-Mar-06	18:00	45.33	2720	683	828	1402	1453	1655	1753	1753	180	737	57.5	62.7	5.21	373	21.3	37.5	7082	9.5	14.3	21.5
30-Mar-06	18:01	30.44	1827	683	830	1402	1453	1655	1752	1752	180	734	57.3	62.9	4.23	392	21.4	37.2	6995	9.6	14.4	22.0
30-Mar-06	18:02	16.60	996	683	830	1402	1453	1655	1749	1749	180	737	57.8	63.0	3.92	396	21.4	37.2	7032	9.7	14.4	22.0
30-Mar-06	18:03	13.03	782	683	830	1406	1453	1652	1746	1746	180	734	58.3	63.1	5.30	380	21.3	37.4	7057	9.8	14.1	21.2
30-Mar-06	18:04	12.94	777	683	830	1407	1453	1650	1748	1748	180	735	58.3	63.0	3.40	316	21.2	37.4	7039	9.8	13.4	19.0
30-Mar-06	18:05	10.98	659	683	830	1407	1453	1650	1753	1753	180	734	60.0	63.2	5.05	326	21.4	37.5	7082	9.8	12.3	18.1
30-Mar-06	18:06	12.45	747	683	830	1407	1453	1650	1752	1752	180	72.9	58.3	63.2	4.55	333	21.4	37.6	7108	9.9	11.9	17.3
30-Mar-06	18:07	14.34	861	683	830	1412	1453	1650	1748	1748	180	72.9	58.0	63.2	4.07	339	21.4	37.7	7108	10.0	11.9	18.1
30-Mar-06	18:08	20.47	1228	683	830	1412	1453	1650	1752	1752	180	72.9	58.3	63.0	4.91	344	21.5	37.4	7007	9.9	11.7	18.3

Date	Time	Spent Carbon Feed Rate (lb/min)	Temperatures (°F)								Differential Pressures ("wc)			pH		WESP Secondary Voltage (KVDC)	Stack Exhaust Gas					
			Hearth 1	Hearth 2	Hearth 3	Hearth 4	Hearth 5	Afterburner	Venturi Outlet	Venturi Scrubber	Packed Bed	Venturi Scrubber	Packed Bed	Venturi Scrubber	Packed Bed		Flow Rate (ACFM)	Oxygen (Dry Vol. %)	CO Raw (ppmvd)	CO @ 7%O2 (ppmvd)		
30-Mar-06	18:09	22.43	683	830	1414	1453	1650	1753	179	17.5	1.0	72.9	59.0	62.8	3.69	3.48	21.4	37.3	7007	10.1	11.3	17.6
30-Mar-06	18:10	19.27	1156	683	830	1417	1453	1650	1748	17.5	1.0	72.7	59.5	62.5	5.52	3.64	21.3	37.1	6907	10.2	11.2	18.8
30-Mar-06	18:11	39.59	2376	683	830	1417	1453	1651	1746	17.5	1.0	72.4	58.3	62.4	3.74	3.70	21.3	37.1	7076	10.3	10.5	18.1
30-Mar-06	18:12	65.55	3933	683	830	1422	1453	1659	1752	17.4	1.0	73.0	59.8	62.4	4.76	3.97	21.3	37.2	6963	10.2	9.5	15.9
30-Mar-06	18:13	70.18	4211	683	830	1424	1455	1662	1752	17.4	1.0	72.7	59.7	62.3	5.37	4.06	21.3	36.9	6872	10.5	9.0	15.9
30-Mar-06	18:14	66.19	4091	683	830	1427	1458	1661	1749	17.4	1.0	72.6	58.8	62.5	3.83	4.84	21.3	36.6	6923	10.6	8.7	15.4
30-Mar-06	18:15	66.03	4082	682	830	1427	1458	1657	1750	17.8	1.0	72.9	58.3	62.7	5.61	4.80	21.3	36.6	6822	10.7	8.2	14.9
30-Mar-06	18:16	67.32	4039	680	830	1432	1458	1657	1753	17.3	1.0	72.6	59.8	62.9	3.96	4.15	21.2	36.0	6688	10.8	7.6	13.9
30-Mar-06	18:17	65.36	3922	679	828	1432	1458	1655	1753	17.7	1.0	73.2	58.3	63.0	5.10	3.62	21.2	35.5	6656	10.9	7.2	13.9
30-Mar-06	18:18	65.66	3940	678	827	1432	1458	1652	1749	17.2	1.0	72.7	62.0	63.1	4.96	3.75	21.2	35.4	6656	10.9	7.2	14.2
30-Mar-06	18:19	64.60	3876	675	825	1432	1458	1649	1753	17.8	1.0	72.9	60.3	63.2	3.99	3.92	21.2	35.1	6547	10.8	7.1	13.9
30-Mar-06	18:20	66.14	3969	675	822	1428	1458	1647	1755	17.8	1.0	72.6	59.3	62.6	5.58	3.85	21.3	34.7	6547	10.9	7.0	13.9
30-Mar-06	18:21	65.37	3922	673	819	1424	1458	1645	1755	17.8	1.0	72.7	60.3	62.4	3.63	4.32	21.3	34.6	6568	10.9	7.1	13.9
30-Mar-06	18:22	66.45	3987	673	816	1418	1454	1642	1753	17.9	1.0	72.7	59.8	62.2	5.17	4.62	21.2	34.8	6547	10.8	7.7	14.2
30-Mar-06	18:23	65.88	3953	671	811	1411	1452	1635	1753	17.9	1.0	72.6	58.0	61.9	4.42	4.54	21.2	34.9	6575	10.8	8.1	14.9
30-Mar-06	18:24	66.54	3992	671	810	1403	1448	1626	1751	18.0	1.0	72.7	60.2	61.8	4.26	3.11	21.2	35.1	6713	10.7	8.4	15.4
30-Mar-06	18:25	66.03	3962	671	806	1395	1444	1627	1753	18.0	1.0	72.9	60.2	62.1	5.57	3.32	21.0	35.6	6747	10.5	8.8	15.9
30-Mar-06	18:26	66.77	4126	671	804	1386	1441	1633	1756	18.0	1.0	72.6	59.8	62.4	3.56	3.38	21.1	35.8	6722	10.4	9.2	15.9
30-Mar-06	18:27	69.37	4162	671	802	1379	1436	1637	1755	18.0	1.0	72.7	59.8	62.8	5.35	3.47	21.1	35.6	6612	10.2	10.4	17.3
30-Mar-06	18:28	67.64	4059	671	802	1373	1430	1641	1751	18.1	1.0	72.7	59.5	63.2	4.14	3.61	21.3	35.0	6550	9.8	11.9	19.3
30-Mar-06	18:29	69.08	4145	671	800	1367	1428	1657	1757	18.2	1.0	72.9	58.8	63.7	4.80	3.65	21.2	35.0	6550	9.5	14.1	21.0
30-Mar-06	18:30	68.95	4137	672	800	1363	1428	1660	1757	18.2	1.0	72.4	60.2	64.0	3.98	3.72	21.1	35.2	6656	9.3	15.6	22.0
30-Mar-06	18:31	69.50	4170	674	801	1361	1424	1660	1756	18.3	0.9	72.9	60.5	63.8	4.86	3.67	21.2	35.4	6656	9.1	18.4	25.2
30-Mar-06	18:32	63.68	3821	676	802	1361	1424	1649	1753	18.3	0.9	72.6	61.0	63.8	4.09	3.57	21.0	35.6	6760	8.8	20.6	26.9
30-Mar-06	18:33	65.66	3934	679	802	1356	1429	1633	1748	18.4	0.9	72.6	59.8	63.6	4.66	2.98	21.0	35.8	6760	8.6	24.1	29.3
30-Mar-06	18:34	68.41	4105	683	803	1356	1434	1633	1746	18.4	1.0	72.6	60.2	63.0	4.39	3.06	21.0	35.7	6688	8.2	26.3	32.2
30-Mar-06	18:35	67.49	4049	687	805	1356	1442	1639	1750	18.4	1.0	72.6	57.8	62.9	4.43	3.09	20.8	35.8	6688	8.1	26.4	32.5
30-Mar-06	18:36	62.78	3767	690	806	1360	1448	1648	1748	18.4	1.0	72.7	60.8	62.8	5.48	3.13	21.1	36.2	6919	7.9	26.5	31.5
30-Mar-06	18:37	69.86	4191	693	810	1361	1450	1649	1748	18.4	1.2	72.7	58.3	63.1	3.56	3.16	21.4	36.9	7032	7.6	27.5	31.3
30-Mar-06	18:38	63.97	3838	695	810	1362	1450	1652	1747	18.5	1.3	72.4	58.5	63.6	5.20	3.23	21.8	37.7	7233	7.7	29.2	32.7
30-Mar-06	18:39	66.98	4019	695	812	1366	1450	1652	1747	18.4	1.3	72.2	60.0	63.1	3.81	3.31	21.7	38.6	7424	7.9	29.6	33.5
30-Mar-06	18:40	67.11	4026	695	815	1366	1450	1652	1747	18.4	1.3	72.6	60.2	63.1	4.88	3.41	21.6	39.5	7490	8.0	28.6	33.5
30-Mar-06	18:41	57.49	3450	697	815	1366	1449	1652	1751	18.4	1.3	72.1	58.8	63.0	3.89	3.45	21.9	39.7	7430	8.0	27.4	32.5
30-Mar-06	18:42	64.09	3846	698	816	1366	1445	1652	1749	18.5	1.3	72.6	57.8	63.1	5.21	3.49	21.9	39.4	7402	7.9	27.0	31.5
30-Mar-06	18:43	60.50	3630	698	817	1366	1445	1652	1749	18.5	1.3	72.1	60.7	62.6	3.53	3.60	21.9	39.3	7405	7.9	28.6	33.2
30-Mar-06	18:44	59.36	3562	699	817	1366	1445	1640	1753	18.5	1.3	72.4	59.1	62.6	5.17	3.67	22.0	39.3	7405	7.8	28.1	32.2
30-Mar-06	18:45	53.67	3220	700	820	1366	1445	1641	1751	18.4	1.3	72.2	61.5	62.5	3.80	3.83	22.1	39.3	7377	7.9	27.9	32.7
30-Mar-06	18:46	62.70	3762	700	820	1366	1449	1649	1753	18.4	1.4	72.6	59.8	62.4	4.62	3.84	22.1	39.3	7377	7.8	27.9	32.7
30-Mar-06	18:47	58.75	3525	701	822	1366	1451	1651	1752	18.4	1.4	72.2	61.0	62.0	4.40	4.22	22.1	39.5	7506	7.9	28.3	32.2
30-Mar-06	18:48	56.46	3388	703	823	1366	1451	1655	1752	18.4	1.4	72.6	59.8	61.9	3.98	4.27	22.0	39.7	7506	8.0	27.0	31.7
30-Mar-06	18:49	58.23	3494	703	825	1366	1455	1655	1751	18.4	1.4	71.9	61.2	61.8	4.77	3.28	22.2	39.6	7455	8.0	26.8	32.2
30-Mar-06	18:50	55.80	3348	703	825	1367	1456	1655	1751	18.4	1.4	72.4	60.3	61.8	3.82	3.30	22.2	39.7	7518	8.0	26.1	31.3
30-Mar-06	18:51	52.51	3151	703	825	1370	1456	1656	1751	18.3	1.4	72.4	60.2	61.9	5.13	3.43	22.2	39.9	7521	8.2	24.8	30.8
30-Mar-06	18:52	55.66	3340	703	825	1370	1456	1660	1751	18.3	1.4	72.4	59.3	62.3	3.57	3.49	22.0	40.1	7618	8.5	23.3	29.5
30-Mar-06	18:53	52.72	3163	702	825	1370	1456	1660	1749	18.3	1.4	72.2	60.2	63.1	5.00	3.61	22.3	40.3	7590	8.5	22.1	28.3
30-Mar-06	18:54	54.13	3248	700	825	1371	1456	1660	1750	18.3	1.4	72.2	60.3	63.5	3.55	3.67	22.4	40.2	7540	8.5	21.7	27.4
30-Mar-06	18:55	52.40	3144	700	825	1375	1456	1660	1753	18.3	1.4	72.6	60.7	63.7	4.89	3.64	22.4	40.3	7625	8.6	20.8	26.4
30-Mar-06	18:56	55.58	3335	700	826	1375	1456	1660	1752	18.2	1.4	72.6	61.2	63.6	3.48	3.22	22.3	40.5	7634	8.7	20.8	26.6
30-Mar-06	18:57	53.89	3233	699	827	1375	1456	1659	1748	18.2	1.4	72.4	58.1	63.6	5.07	3.26	22.5	40.5	7634	8.8	21.0	26.4
30-Mar-06	18:58	54.09	3245	698	827	1375	1456	1645	1750	18.2	1.4	72.2	60.0	63.9	3.58	3.28	22.5	40.5	7625	8.8	19.2	23.9
30-Mar-06	18:59	1.81	109	698	827	1380	1453	1640	1753	18.2	1.4	72.2	62.0	63.2	4.97	3.31	22.6	40.5	7625	8.8	18.5	23.9
30-Mar-06	19:00	29.33	1760	698	827	1380	1450	1643	1754	18.2	1.4	72.6	61.0	62.6	3.18	3.35	22.6	40.4	7584	8.9	18.9	24.2

U.S. Filter/Westates Carbon
Parker, Arizona
Performance Demonstration Test One-Minute Average Monitoring Data
Test Run 3
March 30, 2006
11:50 - 12:39, 15:30 - 19:16

Date	Time	Spent Carbon Feed Rate (lb/min)	Spent Carbon Feed Rate (lb/hr)	Temperatures (°F)					Differential Pressures ("wc)			Water Flows (gpm)			pH		WESP Secondary Voltage (KVDC)	Stack Exhaust Gas					
				Hearth 1	Hearth 2	Hearth 3	Hearth 4	Hearth 5	Afterburner	Venturi Outlet	Venturi Scrubber	Packed Bed	Venturi Scrubber	Packed Bed	Venturi Scrubber	Packed Bed		Venturi Scrubber	Packed Bed	Velocity (fps)	Flow Rate (ACFM)	Oxygen (Dry Vol. %)	CO Raw (ppmvd)
30-Mar-06	19:01	56.59	3396	697	827	1380	1455	1659	1753	182	18.7	1.4	72.4	59.0	62.2	4.18	3.37	22.5	40.2	7584	8.8	20.2	25.6
30-Mar-06	19:02	62.52	3751	695	827	1382	1456	1666	1749	182	18.7	1.5	71.9	60.7	62.0	4.57	3.47	22.5	40.2	7603	9.0	19.4	25.2
30-Mar-06	19:03	67.06	4024	695	827	1385	1456	1671	1751	182	18.7	1.4	72.4	60.3	61.7	3.86	3.63	22.5	40.4	7618	9.0	18.3	24.4
30-Mar-06	19:04	64.08	3845	695	827	1385	1456	1671	1753	181	18.7	1.4	72.6	60.2	61.5	4.75	3.96	22.3	40.3	7524	9.2	16.8	23.0
30-Mar-06	19:05	66.96	4018	694	827	1386	1456	1668	1747	181	18.8	1.4	72.4	60.5	61.7	3.75	4.52	22.4	39.7	7355	9.4	16.6	23.9
30-Mar-06	19:06	52.53	3152	693	827	1390	1456	1663	1749	181	18.7	1.4	72.7	61.0	62.3	4.98	4.76	22.3	39.2	7371	9.3	15.4	22.5
30-Mar-06	19:07	48.65	2919	693	827	1390	1456	1661	1755	181	18.7	1.4	72.2	61.0	62.5	3.79	5.20	22.2	39.5	7581	9.4	14.7	22.0
30-Mar-06	19:08	42.58	2555	691	825	1392	1456	1657	1753	181	18.7	1.4	72.6	60.7	63.0	4.27	5.44	22.4	40.5	7581	9.5	14.7	22.2
30-Mar-06	19:09	42.97	2578	691	825	1395	1456	1658	1749	181	18.8	1.4	72.6	60.3	63.3	4.32	5.54	22.5	40.8	7650	9.5	14.9	22.0
30-Mar-06	19:10	47.91	2875	690	825	1395	1456	1654	1752	181	18.7	1.4	72.2	60.5	63.4	3.65	5.57	22.4	40.6	7650	9.4	14.5	21.7
30-Mar-06	19:11	43.58	2615	688	825	1395	1452	1651	1754	181	18.5	1.4	72.2	61.8	63.5	4.77	5.63	22.4	40.4	7593	9.4	13.7	19.8
30-Mar-06	19:12	23.58	1415	688	825	1395	1451	1646	1753	181	18.6	1.4	72.2	59.8	63.4	3.49	5.67	22.4	40.4	7593	9.4	14.1	21.5
30-Mar-06	19:13	21.03	1262	688	825	1395	1451	1643	1752	181	18.5	1.4	72.2	62.4	63.2	4.98	5.69	22.4	40.6	7728	9.5	14.4	21.5
30-Mar-06	19:14	41.47	2488	688	825	1395	1451	1643	1752	181	18.5	1.4	72.4	61.2	62.5	3.53	4.99	22.3	41.0	7728	9.4	14.3	21.7
30-Mar-06	19:15	53.33	3200	688	825	1395	1451	1648	1755	181	18.5	1.4	72.2	60.5	62.1	4.65	2.99	22.3	40.9	7621	9.4	14.3	21.5
Data Points		275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275	275
Average		50.89	3053	685	827	1398	1450	1651	1751	181	18.1	1.2	73.0	58.8	62.8	4.21	3.81	21.9	38.2	7199	9.4	14.4	20.8
Minimum		1.81	109	671	800	1356	1424	1626	1733	177	16.9	0.9	71.9	56.3	61.2	3.05	2.98	20.8	34.6	6547	7.6	7.0	12.7
Maximum		70.18	4211	703	837	1432	1458	1671	1780	185	19.7	1.5	73.9	62.4	64.3	5.61	5.85	23.1	41.7	7869	10.9	29.6	33.5
Std. Dev.		12.4	744	6.7	7.3	14.3	4.9	5.8	4.0	1.3	0.8	0.1	0.4	1.1	0.5	0.7	0.6	0.6	1.5	287	0.6	4.8	4.7