

Facility ID: INAlcoaWarrick

Fuel/Material (select from list): Coal: Sub-bituminous Other Fuel/Material Description:

Parameter	Three Composite Samples During Stack Test			Remaining Fuel Samples to Assess Variability						
	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6	Sample #7	Sample #8	Sample #9	Sample #10
Combustor ID:	Unit #3	Unit #3	Unit #3	Unit #3	Unit #3	Unit #3	Unit #3	Unit #3	Unit #3	Unit #3
What Test was this Fuel Analysis in Conjunction with?	M26A, M29	M26A, M29	M26A, M29							
Fuel/Material Sample Date (mm/dd/yyyy)	8/19/2009	8/20/2009	8/21/2009	8/3/2009	8/10/2009	8/13/2009	8/16/2009	8/23/2009	8/26/2009	8/27/2009
Basis	As Received	As Received	As Received	As Received	As Received	As Received	As Received	As Received	As Received	As Received
Moisture Content	14.98	14.81	13.8	13.56	13.09	12.8	16.27	15.17	15.08	14.87
HHV	10454.0592	10647.0462	10987.052	10962.3208	11109.7053	11119.744	10604.4045	10442.573	10727.9436	10693.1793
Sulfur (S)	26611.26	26664.47	24911.8	30426.88	27637.38	29386.4	30728.91	22479.95	22333.96	22644.58
Nitrogen (N)	13348.14	14056.35	13274.8	12015.16	12601.95	12295.2	12057.12	13742.46	13077.68	13195.15
Chlorine (Cl)	50.1352	46.6776	166.8292	187.5748	151.27	175.4732	119.2872	41.4912	140.8972	143.4904
Fluorine (F)	82.9824	82.9824	76.9316	82.9824	76.9316	77.796	84.7112	87.3044	73.474	76.9316
Mercury (Hg)	0.0855756	0.082118	0.0847112	0.0968128	0.0855756	0.0847112	0.08644	0.0656944	0.0708808	0.0700164
Antimony (Sb)	0.51864	0.501352	0.682876	1.417616	1.184228	1.184228	1.089144	0.328472	0.613724	0.4322
Arsenic (As)	15.47276	15.64564	8.03892	11.41008	10.02704	12.44736	14.17616	3.8898	5.70504	4.92708
Beryllium (Be)	2.5932	2.76608	3.0254	2.07456	2.161	2.24744	1.81524	3.4576	3.37116	3.71692
Cadmium (Cd)	0.095084	0.103728	0.198812	0.449488	0.544572	0.423556	0.656944	0.077796	0.293896	0.103728
Chromium (Cr)	19.8812	19.8812	18.1524	17.288	15.5592	18.1524	18.1524	20.7456	17.288	18.1524
Cobalt (Co)	7.17452	7.43384	3.97624	4.7542	4.84064	5.44572	5.87792	3.71692	3.4576	3.37116
Lead (Pb)	6.31012	7.17452	9.85416	11.49652	9.68128	9.24908	10.11348	6.22368	7.52028	6.9152
Manganese (Mn)	43.22	29.3896	25.932	41.4912	32.8472	31.1184	38.898	32.8472	38.0336	33.7116
Nickel (Ni)	19.0168	19.0168	13.8304	20.7456	19.0168	20.7456	20.7456	12.1016	11.2372	11.2372
Phosphorus (P)	120.1516	147.8124	108.05	94.2196	103.728	140.0328	125.338	84.7112	63.1012	73.474
Selenium (Se)	1.81524	1.90168	1.64236	1.98812	1.81524	1.98812	1.98812	1.38304	1.55592	1.64236

Facility ID:

Fuel/Material
 (select from list):

Parameter	Sample #11	Sample #12	Units	Other Units Description	Test Method
			Select appropriate unit from list. If other is selected please describe units in column N		
Combustor ID:	Unit #3	Unit #3			
What Test was this Fuel Analysis in Conjunction with?					
Fuel/Material Sample Date (mm/dd/yyyy)	8/28/2009	8/29/2009			
Basis	As Received	As Received			
Moisture Content	13.1	13.14	%		D3173
HHV	11106.689	11107.6568	Btu/lb		D5865
Sulfur (S)	28416.3	31009.02	µg/g		D6357
Nitrogen (N)	12339.8	12420.98	µg/g		D5373
Chlorine (Cl)	200.5408	175.4732	µg/g		D6721
Fluorine (F)	73.474	81.2536	µg/g		D5987
Mercury (Hg)	0.0916264	0.0873044	µg/g		D6722
Antimony (Sb)	0.924908	1.019992	µg/g		D6357
Arsenic (As)	11.32364	12.79312	µg/g		D6357
Beryllium (Be)	2.07456	2.161	µg/g		D6357
Cadmium (Cd)	0.795248	0.363048	µg/g		D6357
Chromium (Cr)	16.4236	15.5592	µg/g		D6357
Cobalt (Co)	4.92708	5.27284	µg/g		D6357
Lead (Pb)	10.11348	8.81688	µg/g		D6357
Manganese (Mn)	33.7116	32.8472	µg/g		D6357
Nickel (Ni)	17.288	19.0168	µg/g		D6357
Phosphorus (P)	119.2872	121.016	µg/g		D6357
Selenium (Se)	2.07456	1.90168	µg/g		D4606