

OGMCOAL - Mine-Well-Discharge February 2011

From: "Belcher, Austin" <ABelcher2@archcoal.com>
To: "OGMCOAL@utah.gov" <OGMCOAL@utah.gov>
Date: 3/1/2011 1:28 PM
Subject: Mine-Well-Discharge February 2011
CC: Jim Smith <JIMDSMITH@utah.gov>, Kevin Lundmark <kevinlundmark@utah.gov>, ...
Attachments: Mine-James- Discharge.xls

Jim / Karl / Kevin,

Per Permit Condition #2, attached is the cumulative monthly flow data for discharges into both Electric Lake and Eccles Creek – updated through February 2011.

Let me know if you have any questions,

Austin R. Belcher

Environmental Engineer
Canyon Fuel Company, LLC
Skyline Mine
(435)448-2668

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		Scofield Reservoir Storage Capacity 73,600 ac-ft					Electric Lake Storage Capacity 31,500 ac-ft											
		ECCLES CREEK					ELECTRIC LAKE										Discharge to Both Drainages	
		Discharge to Eccles			Cumulative		JC-1 Well			Cumulative		JC-3 Well			Cumulative		Cumulative	
Month	Days	GPM	CFS	MGD	Gallons	Ac-Ft	GPM	CFS	MGD	Gallons	Ac-Ft	GPM	CFS	MGD	Gallons	Ac-Ft	Gallons	Acre-Feet
Jan-99	31	340	0.8	0.49	15,190,000	47											15,190,000	47
Feb-99	28	229	0.5	0.33	24,430,000	75											24,430,000	75
Mar-99	31	465	1.0	0.67	45,200,000	139											45,200,000	139
Apr-99	30	215	0.5	0.31	54,500,000	167											54,500,000	167
May-99	31	278	0.6	0.40	66,900,000	205											66,900,000	205
Jun-99	30	188	0.4	0.27	75,000,000	230											75,000,000	230
Jul-99	31	181	0.4	0.26	83,060,000	255											83,060,000	255
Aug-99	31	229	0.5	0.33	93,290,000	286											93,290,000	286
Sep-99	30	139	0.3	0.20	99,290,000	305											99,290,000	305
Oct-99	31	243	0.5	0.35	110,140,000	338											110,140,000	338
Nov-99	30	514	1.1	0.74	132,340,000	406											132,340,000	406
Dec-99	31	90	0.2	0.13	136,370,000	419											136,370,000	419
Jan-00	31	722	1.6	1.04	168,610,000	517											168,610,000	517
Feb-00	29	681	1.5	0.98	197,030,000	605											197,030,000	605
Mar-00	31	993	2.2	1.43	241,360,000	741											241,360,000	741
Apr-00	30	1,354	3.0	1.95	299,860,000	920											299,860,000	920
May-00	31	1,181	2.6	1.70	352,560,000	1,082											352,560,000	1,082
Jun-00	30	1,000	2.2	1.44	395,760,000	1,215											395,760,000	1,215
Jul-00	31	1,236	2.8	1.78	450,940,000	1,384											450,940,000	1,384
Aug-00	31	993	2.2	1.43	495,270,000	1,520											495,270,000	1,520
Sep-00	30	1,361	3.0	1.96	554,070,000	1,700											554,070,000	1,700
Oct-00	31	2,354	5.2	3.39	659,160,000	2,023											659,160,000	2,023
Nov-00	30	1,688	3.8	2.43	732,060,000	2,247											732,060,000	2,247
Dec-00	31	2,201	4.9	3.17	830,330,000	2,548											830,330,000	2,548
Jan-01	31	2,569	5.7	3.70	945,030,000	2,900											945,030,000	2,900
Feb-01	28	2,500	5.6	3.60	1,045,830,000	3,210											1,045,830,000	3,210
Mar-01	31	3,542	7.9	5.10	1,203,930,000	3,695											1,203,930,000	3,695
Apr-01	30	4,028	9.0	5.80	1,377,930,000	4,229											1,377,930,000	4,229
May-01	31	3,542	7.9	5.10	1,536,030,000	4,714											1,536,030,000	4,714
Jun-01	30	2,986	6.7	4.30	1,665,030,000	5,110											1,665,030,000	5,110
Jul-01	31	4,514	10.1	6.50	1,866,530,000	5,728											1,866,530,000	5,728
Aug-01	31	4,514	10.1	6.50	2,068,030,000	6,347											2,068,030,000	6,347
Sep-01	30	7,795	17.4	11.23	2,404,786,960	7,380	969	2.2	1.40	41,860,500	128						2,446,647,460	7,508
Oct-01	31	9,000	20.1	12.96	2,806,546,960	8,613	2,136	4.8	3.08	137,198,100	421						2,943,745,060	9,034
Nov-01	30	8,907	19.8	12.83	3,191,314,960	9,794	1,509	3.4	2.17	202,406,100	621						3,393,721,060	10,415
Dec-01	31	7,911	17.6	11.39	3,544,460,560	10,878	1,270	2.8	1.83	259,106,100	795						3,803,566,660	11,673

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		Discharge to Eccles			Cumulative		JC-1 Well			Cumulative		JC-3 Well			Cumulative		Cumulative	
Month	Days	GPM	CFS	MGD	Gallons	Ac-Ft	GPM	CFS	MGD	Gallons	Ac-Ft	GPM	CFS	MGD	Gallons	Ac-Ft	Gallons	Acre-Feet
Nov-10	30	4,096	9.1	5.90	25,399,532,006	77,948	2,000	4.5	2.88	17,589,350,438	53,980	-	0.0	0.00	1,543,938,457	4,738	44,532,820,900	136,666
Dec-10	31	4,749	10.6	6.84	25,611,527,366	78,599	-	0.0	0.00	17,589,350,438	53,980	-	0.0	0.00	1,543,938,457	4,738	44,744,816,260	137,317
Jan-11	31	4,567	10.2	6.58	25,815,398,246	79,225	1,889	4.2	2.72	17,673,675,398	54,239	-	0.0	0.00	1,543,938,457	4,738	45,033,012,100	138,201
Feb-11	28	4,597	10.2	6.62	26,000,749,286	79,793	2,203	4.9	3.17	17,762,500,358	54,511	-	0.0	0.00	1,543,938,457	4,738	45,307,188,100	139,043