

Mine file  
S.C. Jensen



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Consolidation Coal Company  
Mid-Continent Region  
12755 Olive Boulevard  
St. Louis, Missouri 63141  
(314) 275-2300

ACT/OIS/OIS

DIVISION OF  
OIL, GAS & MINING

July 14, 1986

FILE COPY

Mr. Barton D. Kale  
Mining Field Specialist  
Utah Division of Oil, Gas and Mining  
355 W. North Temple  
3 Triad Center - Suite 350  
Salt Lake City, Utah 84180-1203

Dear Mr. Kale:

More than one year ago, Consolidation Coal Company initiated a specialized water sampling program at our Emery mine in response to your concern that windblown coal fines may be having an adverse impact on the water quality of Christiansen Wash.

Two sampling sites, one upstream from the tipple area and the other downstream but above the confluence with Quitchupah Creek, were utilized under the program. Samples were analyzed for total dissolved solids (TDS), total suspended solids (TSS), and total volatile solids (TVS). A total of 11 sampling events took place.

The attached table shows the analysis results. In most cases, differences between upstream and downstream values of TDS and TSS are minor. Comparison of TVS data indicate that differences between upstream and downstream values were slight and that further, a trend toward downstream values being greater than upstream values is not apparent. Therefore, it is our opinion that windblown coal fines are not causing an adverse impact on the water quality of Christiansen Wash downstream of the tipple. Accordingly, Consol requests permission to terminate the above sampling program.

Your prompt consideration of this matter would be greatly appreciated. If you have any questions, please do not hesitate to contact me at 314/275-2424.

Sincerely,

Louis H. Meschede

Louis H. Meschede  
Permit Coordinator/Hydrologist

/ps

Sue: Please advise  
LMB  
7-17

Water Quality Data  
 For Christiansen Wash  
 In the Vicinity of the Emery Mine Tipple

Month	TDS (mg/l)		TSS (mg/l)		TVS (mg/l)	
	Upstream	Downstream	Upstream	Downstream	Upstream	Downstream
1985:						
June	1855	1899	60	32	2	2
July	1710	1694	133	166	12	16
August	2483	2522	10	9	4	3
September	2420	2475	111	106	11	13
October	1348	1345	343	311	18	19
December	2166	1987	490	347	30	22
1986:						
January	2296	2317	244	219	19	21
February	1325	1310	1643	1615	127	131
March	1637	1575	600	621	56	50
April	632	631	2950	3358	288	279
June	1058	1052	352	338	51	49
Average:	1721	1709	631	647	56	55