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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 8, 1983

Mr. Kerry Frame
Southern Utah Fuel Company
P. O. Box P
Salina, Utah 84654

RE: Drainage Peak Flows
Convulsion Canyon Mine
ACT/041/002
Folder Nos. 2 and 3
Sevier County, Utah

Dear Kerry:

I have gone ahead and calculated the peak flows for the described areas using the best information available in our office. I hope they can be of help. I have also enclosed a copy of the calculation for your records. The use of these values will be your choice and the Division cannot assume any liability or responsibility for their use. Southern Utah Fuel Company must apply more diligence in supplying the needed information if the current review schedule is to be reasonably met.

If you have any questions, or if I can be of any further help, please call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rick Summers', written over a horizontal line.

RICK SUMMERS
RECLAMATION HYDROLOGIST

RS/btb

Enclosures

cc: Lou Hamm, OSM, Denver
J. Smith, DOGM
S. Linner, DOGM
D. Darby, DOGM

PROJECT: SUFCO Drainage Modifications - July 1983

DATE: September 2, 1983

REVIEWER: Rick Summers

ASSUMPTIONS AND INPUT CALCULATIONS

Area	Acres	CN	Length	Change In Elevation	Tc*	Qp (cfs)
CBE Substation Bypass Culvert	16.07	72	1,250	630	0.121	4.09
Substation Pad	0.39	90	285	10	0.08	0.40
South End Parking Lot	0.97	92	365	55	0.052	1.10
Area North of ATOF	20.2	79	1,850	745	0.167	4.69
Area Upslope of Sub- station Pad Undisturbed Drainage Ditch	6.9	72	820	390	0.117	0.96
CBW Draining to Pipe #5	11.48	79	1,450	794	0.121	5.81

*Calculated as mean of four methods: Kirpitch's, Kent's, USBR/Kirpitch and Hathaways.