Incoming C0070041

0097

From: "Michael Hansen" <Mhansen@rbgengineering.com>
To: <James_Kohler@blm.gov>, <Jeff_McKenzie@blm.gov>, <Stan_Perkes@blm.gov>, <Steve_Falk@blm.gov>, <steve_rigby@blm.gov>, <jllewelyn@co.carbon.ut.us>, <ecc@emerytelcom.net>, <sunny1@emerytelcom.net>, "Brad Price" <bprice@rbgengineering.com>, "Rob johnson" <robj@rbgengineering.com>, <bretdixon@utah.gov>, <davemarble@utah.gov>, <karlhouskeeper@utah.gov>, <marcstilson@utah.gov>, <pamgrubaughlittig@utah.gov>, <petehess@utah.gov>, <waynehedberg@utah.gov>, <dshaver@utahamerican.com>
Date: 10/23/2006 6:37:12 AM
Subject: Grassy Trail Dam seepage monitoring information and site photos 10-14-06

Attached are the:

- Grassy Trail Dam seepage readings
- Observation photos from October 14, 2006

Michael N. Hansen, P.G.
Engineering Geologist

RB&G ENGINEERING Inc.
1435 West 820 North
Provo Ut. 84601

Ph 801-374-5771
SLC 801-521-5771
Fax 801-374-5773

email mhansen@rbgengineering.com

GRASSY TRAIL DAM SEEPAGE READINGS

Dam Crest Elev(ft)		7600.0									
Spillway Elev. (ft)		7592.5									
		Seep Location:	Seep1:Toe Drain			Seep 2: Left Abutment (East Seep)		Seep 3: Right Abutment (West Seep)			
Date	Initials	Reservoir Elev.	Reservoir Characteristics	GAL/MIN	Water Characteristics	GAL/MIN	Water Characteristics	GAL/MIN	Water Characteristics	Weather Conditions	Temperature (F)
8/19/06	MNH	7590.4		dry		16.7	Clear	0.45	Clear	Sunny	82
8/25/06	MNH	7590.2		1.1	muddy storm run off	15.8	Clear	0.77	Clear	heavy rain/hail	52
9/1/06	MNH	7590.1		dry		15.0	Clear	0.44	Clear	Sunny	83
9/8/06	MNH	7589.6		dry		15.0	Clear	0.44	Clear	Rain	65
9/16/06	MNH	7589.5		dry		15.0	Clear	0.44	Clear	P Cldy trace snow	45
9/22/06	MNH	7588.9		wet, no flow	Clear	15.0	Clear	0.42	Clear	P Cldy to snowy	46 drop to 37
10/2/06	MNH	7587.9		dry		14.0	Clear	0.42	Clear	Overcast/PC	61
10/7/06	MNH	7588.1		5.5	Clear, Storm runoff	15.0	Clear	0.41	Clear	PC	47
10/14/06	MNH	7588.2		0.1	Clear, Storm runoff	13.6	Clear	0.39	Clear	Rain	50

Looking West
10/14/2006

Looking West
10/14/2006

Looking West
10/14/2006

Looking East
10/14/2006

Looking East
10/14/2006

Looking East
10/14/2006

West Abutment
10/14/2006

Down stream face
10/14/2006

East Abutment
10/14/2006