

M E M O R A N D U M

Date: October 20, 2008
To: Water Right File 1-7011
From: Michele Edl
Re: license review postlude

The conditions on this license were vetted through deputy attorney general Phil Rassier. In particular, the language for two conditions, the subordination condition, (condition 1), and the director's review condition, (condition 5) were provided to me from Mr. Rassier.

The permit holders were not able to provide timely daily average generation records from Unit #3 at Milner Dam for calendar year 1996. However with guidance from Director Tuthill, I have added an assumed volume of water stemming from operation of Unit #3 at Milner dam. To the annual volume established by the flows through Lower Milner Powerhouse, I have added a volume which assumes that Unit #3 at Milner Dam was online and generating power every day during 1996. Therefore, the total volume of water for this right is derived from the sum of daily average flows which are less than or equal to the turbine capacities. In this case, the total volume becomes 2,390,000 AF. Please refer to the spreadsheet attachment.

# ----- WARNING -----						
# The data you have obtained from this automated U.S. Geological Survey database						
# have not received Director's approval and as such are provisional and subject to						
# revision. The data are released on the condition that neither the USGS nor the						
# United States Government may be held liable for any damages resulting from its use.						
# Additional info: http://waterdata.usgs.gov/id/nwis/help/?provisional						
#						
# File-format description: http://waterdata.usgs.gov/nwis/?tab_delimited_format_info						
# Automated-retrieval info: http://waterdata.usgs.gov/nwis/?automated_retrieval_info						
#						
# Contact: gs-w_support_nwisweb@usgs.gov						
# retrieved: 2008-09-24 14:01:51 EDT						
#						
# Data for the following site(s) are contained in this file						
# USGS 13088000 SNAKE RIVER AT MILNER ID (TOTAL FLOW)						
# -----						
#						
# Data provided for site 13088000						
# DD parameter statistic Description						
# 01 00060 00003 Discharge, cubic feet per second (Mean)						
#						
# Data-value qualification codes included in this output:						
# A Approved for publication -- Processing and review completed.						
# e Value has been estimated.						
#						
agency_cd	site_no	datetime	01_00060_00003	01_00060_00003_cd	5s	15s
Reference station 13088000 is a calculated total of stations 13087505 and 13087995					Flow at powerplant spill; not a to v	
		Date	USGS Q(cfs)		Combined Q for units 1-3	
USGS	13088000	1/1/1996	3680 A		3680	
USGS	13088000	1/2/1996	3680 A		3680	
USGS	13088000	1/3/1996	3680 A		3680	
USGS	13088000	1/4/1996	3630 A		3630	
USGS	13088000	1/5/1996	3570 A		3570	
USGS	13088000	1/6/1996	3580 A		3580	
USGS	13088000	1/7/1996	3760 A		3760	
USGS	13088000	1/8/1996	4300 A		4300	
USGS	13088000	1/9/1996	5060 A		5060	
USGS	13088000	1/10/1996	2710 A		2710	
USGS	13088000	1/11/1996	4350 A		4350	
USGS	13088000	1/12/1996	4710 A		4710	
USGS	13088000	1/13/1996	4840 A		4840	
USGS	13088000	1/14/1996	4730 A		4730	
USGS	13088000	1/15/1996	4650 A		4650	
USGS	13088000	1/16/1996	4580 A		4580	
USGS	13088000	1/17/1996	4540 A		4540	
USGS	13088000	1/18/1996	4490 A		4490	
USGS	13088000	1/19/1996	4530 A		4530	
USGS	13088000	1/20/1996	4570 A		4570	

1996 Q data for 01-7011 Milner.xls
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		Date	USGS Q(cfs)		Combined Q for units 1-3
USGS	13088000	1/21/1996	4680 A		4680
USGS	13088000	1/22/1996	5090 A		5090
USGS	13088000	1/23/1996	5260 A		5260
USGS	13088000	1/24/1996	5290 A		5290
USGS	13088000	1/25/1996	3260 A		3260
USGS	13088000	1/26/1996	5320 A		5320
USGS	13088000	1/27/1996	5270 A		5270
USGS	13088000	1/28/1996	5260 A		5260
USGS	13088000	1/29/1996	5130 A		5128
USGS	13088000	1/30/1996	5240 A		5238
USGS	13088000	1/31/1996	4470 Ae		1900
USGS	13088000	2/1/1996	4900 Ae		829
USGS	13088000	2/2/1996	5150 A		5070
USGS	13088000	2/3/1996	5150 A		5090
USGS	13088000	2/4/1996	5150 Ae		5090
USGS	13088000	2/5/1996	5250 Ae		5210
USGS	13088000	2/6/1996	5620 A		5470
USGS	13088000	2/7/1996	5770 A		5540
USGS	13088000	2/8/1996	5760 A		5540
USGS	13088000	2/9/1996	5840 A		5550
USGS	13088000	2/10/1996	5880 A		5550
USGS	13088000	2/11/1996	6040 A		5570
USGS	13088000	2/12/1996	6120 A		5560
USGS	13088000	2/13/1996	6320 A		5560
USGS	13088000	2/14/1996	6550 A		5560
USGS	13088000	2/15/1996	6510 A		5530
USGS	13088000	2/16/1996	6590 A		5610
USGS	13088000	2/17/1996	6670 A		5620
USGS	13088000	2/18/1996	6740 A		5630
USGS	13088000	2/19/1996	6840 A		5590
USGS	13088000	2/20/1996	7550 A		5610
USGS	13088000	2/21/1996	7570 A		5610
USGS	13088000	2/22/1996	7400 A		5610
USGS	13088000	2/23/1996	9260 A		5610
USGS	13088000	2/24/1996	11300 A		5590
USGS	13088000	2/25/1996	11700 A		5590
USGS	13088000	2/26/1996	11600 A		5590
USGS	13088000	2/27/1996	11600 A		5590
USGS	13088000	2/28/1996	11600 A		5590
USGS	13088000	2/29/1996	11600 A		5590
USGS	13088000	3/1/1996	11600 A		5590
USGS	13088000	3/2/1996	11600 A		5590
USGS	13088000	3/3/1996	11600 A		5580
USGS	13088000	3/4/1996	11800 A		5570
USGS	13088000	3/5/1996	12600 A		5570
USGS	13088000	3/6/1996	12200 A		5580
USGS	13088000	3/7/1996	13100 A		5590
USGS	13088000	3/8/1996	14800 A		5580
USGS	13088000	3/9/1996	15200 A		5570
USGS	13088000	3/10/1996	15300 A		5570
USGS	13088000	3/11/1996	16300 A		5570

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		Date	USGS Q(cfs)		Combined Q for units 1-3	
USGS	13088000	3/12/1996	17000	A	5550	
USGS	13088000	3/13/1996	17100	A	5560	
USGS	13088000	3/14/1996	17100	A	5560	
USGS	13088000	3/15/1996	17500	A	5550	
USGS	13088000	3/16/1996	17800	A	5550	
USGS	13088000	3/17/1996	17900	A	5550	
USGS	13088000	3/18/1996	18500	A	5550	
USGS	13088000	3/19/1996	19100	A	5550	
USGS	13088000	3/20/1996	19500	A	5550	
USGS	13088000	3/21/1996	20000	A	5540	
USGS	13088000	3/22/1996	19200	A	5540	
USGS	13088000	3/23/1996	18300	A	5540	
USGS	13088000	3/24/1996	19600	A	5540	
USGS	13088000	3/25/1996	19800	A	5530	
USGS	13088000	3/26/1996	19000	A	5540	
USGS	13088000	3/27/1996	18200	A	5540	
USGS	13088000	3/28/1996	18100	A	5540	
USGS	13088000	3/29/1996	18200	A	5550	
USGS	13088000	3/30/1996	18900	A	5550	
USGS	13088000	3/31/1996	19100	A	5540	
USGS	13088000	4/1/1996	18900	A	5540	
USGS	13088000	4/2/1996	18600	A	5520	
USGS	13088000	4/3/1996	18900	A	5530	
USGS	13088000	4/4/1996	19000	A	5530	
USGS	13088000	4/5/1996	17900	A	5540	
USGS	13088000	4/6/1996	17300	A	2340	
USGS	13088000	4/7/1996	17800	A	2350	
USGS	13088000	4/8/1996	18200	A	5460	
USGS	13088000	4/9/1996	17500	A	5530	
USGS	13088000	4/10/1996	16800	A	5530	
USGS	13088000	4/11/1996	16000	A	5530	
USGS	13088000	4/12/1996	15800	A	5550	
USGS	13088000	4/13/1996	16200	A	2390	
USGS	13088000	4/14/1996	16800	A	2270	
USGS	13088000	4/15/1996	17200	A	5540	
USGS	13088000	4/16/1996	15000	A	5570	
USGS	13088000	4/17/1996	12900	A	5570	
USGS	13088000	4/18/1996	12200	A	5590	
USGS	13088000	4/19/1996	12200	A	5600	
USGS	13088000	4/20/1996	12400	A	2100	
USGS	13088000	4/21/1996	12300	A	2080	
USGS	13088000	4/22/1996	12100	A	5520	
USGS	13088000	4/23/1996	10000	A	5600	
USGS	13088000	4/24/1996	8630	A	5610	
USGS	13088000	4/25/1996	7390	A	5620	
USGS	13088000	4/26/1996	6380	A	5630	
USGS	13088000	4/27/1996	6910	A	5450	
USGS	13088000	4/28/1996	6600	A	5530	
USGS	13088000	4/29/1996	6440	A	5610	
USGS	13088000	4/30/1996	5720	A	5370	
USGS	13088000	5/1/1996	5090	A	5000	

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		Date	USGS Q(cfs)		Combined Q for units 1-3	
USGS	13088000	5/2/1996	5150	A	5070	
USGS	13088000	5/3/1996	5090	A	5030	
USGS	13088000	5/4/1996	4980	A	4940	
USGS	13088000	5/5/1996	4830	A	4800	
USGS	13088000	5/6/1996	4790	A	4760	
USGS	13088000	5/7/1996	4660	A	4630	
USGS	13088000	5/8/1996	4200	A	4170	
USGS	13088000	5/9/1996	3540	A	3510	
USGS	13088000	5/10/1996	3020	A	2990	
USGS	13088000	5/11/1996	2900	A	2870	
USGS	13088000	5/12/1996	3000	A	2970	
USGS	13088000	5/13/1996	3210	A	3180	
USGS	13088000	5/14/1996	3120	A	3090	
USGS	13088000	5/15/1996	3060	A	3030	
USGS	13088000	5/16/1996	3280	A	3250	
USGS	13088000	5/17/1996	4460	A	4430	
USGS	13088000	5/18/1996	5220	A	5190	
USGS	13088000	5/19/1996	5330	A	5310	
USGS	13088000	5/20/1996	5070	A	5060	
USGS	13088000	5/21/1996	4830	A	4833	
USGS	13088000	5/22/1996	4760	A	4764	
USGS	13088000	5/23/1996	4770	A	4766	
USGS	13088000	5/24/1996	5120	A	5116	
USGS	13088000	5/25/1996	6530	A	5680	
USGS	13088000	5/26/1996	7520	A	5670	
USGS	13088000	5/27/1996	8250	A	5660	
USGS	13088000	5/28/1996	9500	A	5640	
USGS	13088000	5/29/1996	9160	A	5640	
USGS	13088000	5/30/1996	12300	A	5620	
USGS	13088000	5/31/1996	13400	A	5610	
USGS	13088000	6/1/1996	13600	A	2160	
USGS	13088000	6/2/1996	13600	A	2120	
USGS	13088000	6/3/1996	12900	A	5530	
USGS	13088000	6/4/1996	12100	A	5590	
USGS	13088000	6/5/1996	10800	A	5610	
USGS	13088000	6/6/1996	10200	A	5620	
USGS	13088000	6/7/1996	10000	A	5620	
USGS	13088000	6/8/1996	9800	A	5610	
USGS	13088000	6/9/1996	9720	A	5600	
USGS	13088000	6/10/1996	9500	A	5610	
USGS	13088000	6/11/1996	8110	A	5620	
USGS	13088000	6/12/1996	6490	A	5650	
USGS	13088000	6/13/1996	6170	A	5650	
USGS	13088000	6/14/1996	6130	A	5660	
USGS	13088000	6/15/1996	5440	A	5437	
USGS	13088000	6/16/1996	5060	A	5050	
USGS	13088000	6/17/1996	4780	A	4750	
USGS	13088000	6/18/1996	4680	A	4650	
USGS	13088000	6/19/1996	4690	A	4660	
USGS	13088000	6/20/1996	4690	A	4660	
USGS	13088000	6/21/1996	4540	A	4510	

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		Date	USGS Q(cfs)		Combined Q for units 1-3
USGS	13088000	6/22/1996	4160	A	4130
USGS	13088000	6/23/1996	3800	A	3770
USGS	13088000	6/24/1996	3700	A	3670
USGS	13088000	6/25/1996	3800	A	3770
USGS	13088000	6/26/1996	3870	A	3840
USGS	13088000	6/27/1996	4360	A	4330
USGS	13088000	6/28/1996	4470	A	4420
USGS	13088000	6/29/1996	5010	A	4990
USGS	13088000	6/30/1996	5560	A	5550
USGS	13088000	7/1/1996	5250	A	5220
USGS	13088000	7/2/1996	4630	A	4430
USGS	13088000	7/3/1996	2600	A	2560
USGS	13088000	7/4/1996	1570	A	1560
USGS	13088000	7/5/1996	1720	A	1710
USGS	13088000	7/6/1996	2150	A	2140
USGS	13088000	7/7/1996	2370	A	2360
USGS	13088000	7/8/1996	2440	A	2430
USGS	13088000	7/9/1996	2530	A	2520
USGS	13088000	7/10/1996	2540	A	2530
USGS	13088000	7/11/1996	2480	A	2470
USGS	13088000	7/12/1996	2280	A	2270
USGS	13088000	7/13/1996	2080	A	2070
USGS	13088000	7/14/1996	1920	A	1910
USGS	13088000	7/15/1996	1730	A	1720
USGS	13088000	7/16/1996	1560	A	1550
USGS	13088000	7/17/1996	1550	A	1520
USGS	13088000	7/18/1996	1530	A	1520
USGS	13088000	7/19/1996	1520	A	1510
USGS	13088000	7/20/1996	1530	A	1520
USGS	13088000	7/21/1996	1520	A	1510
USGS	13088000	7/22/1996	1540	A	1520
USGS	13088000	7/23/1996	1530	A	1520
USGS	13088000	7/24/1996	1530	A	1520
USGS	13088000	7/25/1996	1530	A	1520
USGS	13088000	7/26/1996	1550	A	1540
USGS	13088000	7/27/1996	1560	A	1550
USGS	13088000	7/28/1996	1570	A	1560
USGS	13088000	7/29/1996	1560	A	1550
USGS	13088000	7/30/1996	1550	A	1540
USGS	13088000	7/31/1996	1540	A	1530
USGS	13088000	8/1/1996	1540	A	1530
USGS	13088000	8/2/1996	1550	A	1540
USGS	13088000	8/3/1996	1530	A	1530
USGS	13088000	8/4/1996	1530	A	1530
USGS	13088000	8/5/1996	1530	A	1530
USGS	13088000	8/6/1996	1540	A	1540
USGS	13088000	8/7/1996	1510	A	1510
USGS	13088000	8/8/1996	1480	A	1350
USGS	13088000	8/9/1996	1640	A	1570
USGS	13088000	8/10/1996	1530	A	1530
USGS	13088000	8/11/1996	1530	A	1510

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		Date	USGS Q(cfs)		Combined Q for units 1-3
USGS	13088000	8/12/1996	1550 A		1520
USGS	13088000	8/13/1996	1590 A		1510
USGS	13088000	8/14/1996	1550 A		1520
USGS	13088000	8/15/1996	1520 A		1510
USGS	13088000	8/16/1996	1510 A		1510
USGS	13088000	8/17/1996	1510 A		1510
USGS	13088000	8/18/1996	1520 A		1520
USGS	13088000	8/19/1996	1540 A		1540
USGS	13088000	8/20/1996	1530 A		1530
USGS	13088000	8/21/1996	1520 A		1520
USGS	13088000	8/22/1996	1560 A		1530
USGS	13088000	8/23/1996	1580 A		1550
USGS	13088000	8/24/1996	1550 A		1530
USGS	13088000	8/25/1996	1550 A		1530
USGS	13088000	8/26/1996	1550 A		1530
USGS	13088000	8/27/1996	1540 A		1520
USGS	13088000	8/28/1996	1540 A		1520
USGS	13088000	8/29/1996	1540 A		1520
USGS	13088000	8/30/1996	1550 A		1530
USGS	13088000	8/31/1996	1550 A		1530
USGS	13088000	9/1/1996	1470 A		1440
USGS	13088000	9/2/1996	1370 A		1350
USGS	13088000	9/3/1996	1270 A		1250
USGS	13088000	9/4/1996	1170 A		1156
USGS	13088000	9/5/1996	1070 A		1048
USGS	13088000	9/6/1996	982 A		961
USGS	13088000	9/7/1996	882 A		858
USGS	13088000	9/8/1996	999 A		973
USGS	13088000	9/9/1996	854 A		830
USGS	13088000	9/10/1996	432 A		408
USGS	13088000	9/11/1996	248 A		230
USGS	13088000	9/12/1996	255 A		230
USGS	13088000	9/13/1996	257 A		230
USGS	13088000	9/14/1996	256 A		230
USGS	13088000	9/15/1996	255 A		230
USGS	13088000	9/16/1996	258 A		230
USGS	13088000	9/17/1996	246 A		230
USGS	13088000	9/18/1996	240 A		230
USGS	13088000	9/19/1996	239 A		230
USGS	13088000	9/20/1996	238 A		230
USGS	13088000	9/21/1996	235 A		230
USGS	13088000	9/22/1996	232 A		230
USGS	13088000	9/23/1996	232 A		230
USGS	13088000	9/24/1996	242 A		230
USGS	13088000	9/25/1996	242 A		230
USGS	13088000	9/26/1996	250 A		230
USGS	13088000	9/27/1996	232 A		230
USGS	13088000	9/28/1996	264 A		230
USGS	13088000	9/29/1996	257 A		230
USGS	13088000	9/30/1996	280 A		230
USGS	13088000	10/1/1996	298 A		230

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		Date	USGS Q(cfs)		Combined Q for units 1-3	
USGS	13088000	10/2/1996	256	A	230	
USGS	13088000	10/3/1996	237	A	230	
USGS	13088000	10/4/1996	236	A	230	
USGS	13088000	10/5/1996	237	A	230	
USGS	13088000	10/6/1996	238	A	230	
USGS	13088000	10/7/1996	249	A	230	
USGS	13088000	10/8/1996	238	A	230	
USGS	13088000	10/9/1996	237	A	230	
USGS	13088000	10/10/1996	237	A	230	
USGS	13088000	10/11/1996	238	A	230	
USGS	13088000	10/12/1996	238	A	230	
USGS	13088000	10/13/1996	238	A	230	
USGS	13088000	10/14/1996	238	A	230	
USGS	13088000	10/15/1996	238	A	230	
USGS	13088000	10/16/1996	239	A	230	
USGS	13088000	10/17/1996	239	A	230	
USGS	13088000	10/18/1996	238	A	230	
USGS	13088000	10/19/1996	240	A	230	
USGS	13088000	10/20/1996	240	A	230	
USGS	13088000	10/21/1996	243	A	230	
USGS	13088000	10/22/1996	240	A	230	
USGS	13088000	10/23/1996	240	A	230	
USGS	13088000	10/24/1996	240	A	230	
USGS	13088000	10/25/1996	240	A	230	
USGS	13088000	10/26/1996	240	A	230	
USGS	13088000	10/27/1996	240	A	230	
USGS	13088000	10/28/1996	240	A	230	
USGS	13088000	10/29/1996	481	A	481	
USGS	13088000	10/30/1996	711	A	711	
USGS	13088000	10/31/1996	2610	A	2614	
USGS	13088000	11/1/1996	2500	A	2495	
USGS	13088000	11/2/1996	2460	A	2455	
USGS	13088000	11/3/1996	2460	A	2455	
USGS	13088000	11/4/1996	2310	A	2306	
USGS	13088000	11/5/1996	2240	A	2236	
USGS	13088000	11/6/1996	2250	A	2246	
USGS	13088000	11/7/1996	2200	A	2196	
USGS	13088000	11/8/1996	2570	A	2566	
USGS	13088000	11/9/1996	2830	A	2826	
USGS	13088000	11/10/1996	2930	A	2926	
USGS	13088000	11/11/1996	3100	A	3097	
USGS	13088000	11/12/1996	3100	A	3097	
USGS	13088000	11/13/1996	2690	A	2687	
USGS	13088000	11/14/1996	2170	Ae	2167	
USGS	13088000	11/15/1996	2310	A	2300	
USGS	13088000	11/16/1996	2410	A	2410	
USGS	13088000	11/17/1996	2440	A	2440	
USGS	13088000	11/18/1996	2470	A	2470	
USGS	13088000	11/19/1996	2080	A	2080	
USGS	13088000	11/20/1996	1730	A	1730	
USGS	13088000	11/21/1996	1660	A	1660	

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		Date	USGS Q(cfs)		Combined Q for units 1-3	
USGS	13088000	11/22/1996	1560	A	1560	
USGS	13088000	11/23/1996	1480	A	1480	
USGS	13088000	11/24/1996	1430	A	1430	
USGS	13088000	11/25/1996	1400	A	1400	
USGS	13088000	11/26/1996	1450	A	1450	
USGS	13088000	11/27/1996	1520	A	1520	
USGS	13088000	11/28/1996	1850	A	1850	
USGS	13088000	11/29/1996	1880	A	1880	
USGS	13088000	11/30/1996	1940	A	1940	
USGS	13088000	12/1/1996	2140	A	2140	
USGS	13088000	12/2/1996	1680	A	1679	
USGS	13088000	12/3/1996	1320	A	1320	
USGS	13088000	12/4/1996	1340	A	1340	
USGS	13088000	12/5/1996	2020	A	2020	
USGS	13088000	12/6/1996	2770	A	2770	
USGS	13088000	12/7/1996	2890	A	2889	
USGS	13088000	12/8/1996	2970	A	2968	
USGS	13088000	12/9/1996	1820	A	1818	
USGS	13088000	12/10/1996	1320	A	1319	
USGS	13088000	12/11/1996	1320	A	1320	
USGS	13088000	12/12/1996	2810	A	2810	
USGS	13088000	12/13/1996	3430	Ae	3430	
USGS	13088000	12/14/1996	4030	Ae	4030	
USGS	13088000	12/15/1996	4030	Ae	4029	
USGS	13088000	12/16/1996	4030	Ae	4028	
USGS	13088000	12/17/1996	3730	Ae	3730	
USGS	13088000	12/18/1996	3530	Ae	3530	
USGS	13088000	12/19/1996	3530	Ae	3530	
USGS	13088000	12/20/1996	3600	A	3600	
USGS	13088000	12/21/1996	4220	A	4210	
USGS	13088000	12/22/1996	4580	A	4580	
USGS	13088000	12/23/1996	4820	A	4800	
USGS	13088000	12/24/1996	5170	A	5170	
USGS	13088000	12/25/1996	4970	A	4970	
USGS	13088000	12/26/1996	4910	A	4910	
USGS	13088000	12/27/1996	5100	A	5100	
USGS	13088000	12/28/1996	5450	A	5450	
USGS	13088000	12/29/1996	5130	A	5130	
USGS	13088000	12/30/1996	4910	A	4900	
USGS	13088000	12/31/1996	5030	A	5030	
sum					1,204,036	cfs
convert factor =		1.9835			2,388,205	a-f/day
round to 3 sigfig					2,390,000	AFA

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