

From: Frank O. Christie [<mailto:fchristie@boycehydrollc.com>]
Sent: Tuesday, September 03, 2013 4:22 PM
To: 'john.zygaj@ferc.gov'
Cc: Lee W. Mueller (lwmueller@boycehydrollc.com)
Subject: FW: Sanford flow data

John Zygaj,

We are responding to your letter request of August 19, 2013 concerning hourly flow data at the Sanford Plant for the 72 hours surrounding the previously requested flow on March 12, April 13, April 20, May 24 and May 30. We are submitting this information in electronic format for ease of use, and to be able to meet the short notice submittal deadline. We hope this will help you satisfy the Congressional information request.

Frank O. Christie
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(989) 689-3161
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WINTER DRAWDOWN IN EFFECT

Date	Headwater	Tur #1 %	Tur #2 %	Tur #3 %	CFS	Gate #2 FT.	Gate #3 FT.	Gate #4 FT.	Gate #5 FT.	Gate #1 FT.	Gate #6 FT.	Gate CFS	Total CFS Discharged
3/11/13 0:00		0	0	0	0	0.75						262	262
3/11/13 1:00		0	0	0	0	0.75						262	262
3/11/13 2:00		0	0	0	0	0.75						262	262
3/11/13 3:00		0	0	0	0	0.75						262	262
3/11/13 4:00		0	0	0	0	0.75						262	262
3/11/13 5:00		0	0	0	0	0.75						262	262
3/11/13 6:00		0	0	0	0	0.75						262	262
3/11/13 7:00	628.48	100	0	100	1470	0						0	1470
3/11/13 8:00		100	0	100	1470	0						0	1470
3/11/13 9:00		100	0	100	1470	0						0	1470
3/11/13 10:00		100	0	100	1470	0						0	1470
3/11/13 11:00	628.57	90	90	90	2050	0						0	2050
3/11/13 12:00		90	90	90	2050	0						0	2050
3/11/13 13:00	628.56	100	100	100	2100	0						0	2100
3/11/13 14:00		100	100	100	2100	0						0	2100
3/11/13 15:00		100	100	100	2100	0						0	2100
3/11/13 16:00		100	100	100	2100	0						0	2100
3/11/13 17:00		100	100	100	2100	0						0	2100
3/11/13 18:00		100	100	100	2100	0						0	2100
3/11/13 19:00		100	100	100	2100	0						0	2100
3/11/13 20:00	628.73	100	100	100	2100	5.5						1626.5	3726.5
3/11/13 21:00		100	100	100	2100	5.5						1626.5	3726.5
3/11/13 22:00	628.84	100	100	100	2100	7	4					3359	5459
3/11/13 23:00		100	100	100	2100	7	4					3359	5459
3/12/13 0:00		100	100	100	2100	7	4					3359	5459
3/12/13 1:00		100	100	100	2100	7	4					3359	5459
3/12/13 2:00		100	100	100	2100	7	4					3359	5459
3/12/13 3:00	629.22	100	100	100	2100	7	7	2.5				5027	7127
3/12/13 4:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 5:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 6:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 7:00	629.16	100	100	100	2100	7	7	2.5				5027	7127
3/12/13 8:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 9:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 10:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 11:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 12:00		100	100	100	2100	7	7	2.5				5027	7127
3/12/13 13:00	629.07	100	100	100	2100	7	7	0.5				4373	6473
3/12/13 14:00		100	100	100	2100	7	7	0.5				4373	6473
3/12/13 15:00		100	100	100	2120	7	7	0.5				4373	6493
3/12/13 16:00		100	100	100	2120	7	7	0.5				4373	6493
3/12/13 17:00	629.08	100	100	100	2120	7	5.5					3725.5	5845.5
3/12/13 18:00		100	100	100	2120	7	5.5					3725.5	5845.5
3/12/13 19:00	629.13	100	100	100	2120	7	2.5					2928	5048
3/12/13 20:00	629.13	100	100	100	2120	7	1.5					2612.5	4732.5
3/12/13 21:00		100	100	100	2120	7	1.5					2612.5	4732.5
3/12/13 22:00		100	100	100	2120	7	1.5					2612.5	4732.5
3/12/13 23:00		100	100	100	2120	7	1.5					2612.5	4732.5
3/13/13 0:00	629.18	100	100	100	2120	5.5						1626.5	3746.5
3/13/13 1:00		100	100	100	2120	5.5						1626.5	3746.5
3/13/13 2:00		100	100	100	2120	4						1260	3380
3/13/13 3:00		100	100	100	2120	4						1260	3380
3/13/13 4:00		100	100	100	2120	4						1260	3380
3/13/13 5:00		100	100	100	2120	4						1260	3380
3/13/13 6:00		100	100	100	2120	4						1260	3380
3/13/13 7:00	629.38	100	100	100	2120	4						1260	3380
3/13/13 8:00		100	100	100	2120	4						1260	3380
3/13/13 9:00	629.41	100	100	100	2120	3						981	3101
3/13/13 10:00		100	100	100	2120	3						981	3101
3/13/13 11:00		100	100	100	2120	3						981	3101
3/13/13 12:00	629.44	100	100	100	2120	2						677	2797
3/13/13 13:00	629.45	100	100	100	2120	1						350	2470
3/13/13 14:00		100	100	100	2120	1						350	2470
3/13/13 15:00		100	100	100	2120	1						350	2470
3/13/13 16:00	629.53	100	100	100	2120	2						677	2797
3/13/13 17:00		100	100	100	2120	2						677	2797
3/13/13 18:00		100	100	100	2120	2						677	2797
3/13/13 19:00	629.55	100	100	100	2120	3						981	3101
3/13/13 20:00		100	100	100	2120	3						981	3101
3/13/13 21:00		100	100	100	2120	3						981	3101
3/13/13 22:00		100	100	100	2120	3						981	3101
3/13/13 23:00		100	100	100	2120	3						981	3101

Date	Headwater	Tur #1 %	Tur #2 %	Tur #3 %	Turbine CFS	Gate #2 FT.	Gate #3 FT.	Gate #4 FT.	Gate #5 FT.	Gate #1 FT.	Gate #6 FT.	Gate CFS	Total CFS Discharged
4/12/13 0:00	630.81	100	100	100	2140	7	7	7	2			6974	9114
4/12/13 1:00		100	100	100	2140	7	7	7	2			6974	9114
4/12/13 2:00	630.86	100	100	100	2140	7	7	7	4			7557	9697
4/12/13 3:00		100	100	100	2140	7	7	7	4			7557	9697
4/12/13 4:00		100	100	100	2140	7	7	7	4			7557	9697
4/12/13 5:00		100	100	100	2140	7	7	7	4			7557	9697
4/12/13 6:00		100	100	100	2140	7	7	7	4			7557	9697
4/12/13 7:00		100	100	100	2140	7	7	7	4			7557	9697
4/12/13 8:00	630.49	100	100	100	2140	7	7	7	1			6647	8787
4/12/13 9:00		100	100	100	2140	7	7	7	1			6647	8787
4/12/13 10:00		100	100	100	2140	7	7	7	1			6647	8787
4/12/13 11:00		100	100	100	2140	7	7	7	1			6647	8787
4/12/13 12:00		100	100	100	2140	7	7	7	1			6647	8787
4/12/13 13:00		100	100	100	2140	7	7	7	1			6647	8787
4/12/13 14:00	630.52	100	100	100	2140	7	7	4.5				5585	7725
4/12/13 15:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 16:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 17:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 18:00	630.62	100	100	100	2140	7	7	4.5				5585	7725
4/12/13 19:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 20:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 21:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 22:00		100	100	100	2140	7	7	4.5				5585	7725
4/12/13 23:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 0:00	630.72	100	100	100	2140	7	7	4.5				5585	7725
4/13/13 1:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 2:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 3:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 4:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 5:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 6:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 7:00	630.82	100	100	100	2140	7	7	4.5				5585	7725
4/13/13 8:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 9:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 10:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 11:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 12:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 13:00		100	100	100	2140	7	7	4.5				5585	7725
4/13/13 14:00	630.72	100	100	100	2140	7	7	3				5179	7319
4/13/13 15:00		100	100	100	2140	7	7	3				5179	7319
4/13/13 16:00	630.70	100	100	100	2140	7	7	2.5				5027	7167
4/13/13 17:00		100	100	100	2140	7	7	2.5				5027	7167
4/13/13 18:00		100	100	100	2140	7	7	2.5				5027	7167
4/13/13 19:00	630.69	100	100	100	2140	7	7	2				4875	7015
4/13/13 20:00	630.68	100	100	100	2140	7	7	1.5				4711.5	6851.5
4/13/13 21:00	630.68	100	100	100	2140	7	7	0.5				4373	6513
4/13/13 22:00		100	100	100	2140	7	7	0.5				4373	6513
4/13/13 23:00	630.68	100	100	100	2140	7	7	0.5				4373	6513
4/14/13 0:00		100	100	100	2140	7	7	0.5				4373	6513
4/14/13 1:00		100	100	100	2140	7	7	0.5				4373	6513
4/14/13 2:00	630.67	100	100	100	2140	7	7					4198	6338
4/14/13 3:00		100	100	100	2140	7	7					4198	6338
4/14/13 4:00		100	100	100	2140	7	7					4198	6338
4/14/13 5:00		100	100	100	2140	7	7					4198	6338
4/14/13 6:00		100	100	100	2140	7	7					4198	6338
4/14/13 7:00		100	100	100	2140	7	7					4198	6338
4/14/13 8:00	630.65	100	100	100	2140	7	7					4198	6338
4/14/13 9:00		100	100	100	2140	7	7					4198	6338
4/14/13 10:00		100	100	100	2140	7	7					4198	6338
4/14/13 11:00		100	100	100	2140	7	7					4198	6338
4/14/13 12:00	630.63	100	100	100	2140	7	5					3613	5753
4/14/13 13:00		100	100	100	2140	7	5					3613	5753
4/14/13 14:00		100	100	100	2140	7	5					3613	5753
4/14/13 15:00		100	100	100	2140	7	5					3613	5753
4/14/13 16:00	630.67	100	100	100	2140	7	4.5					3486	5626
4/14/13 17:00		100	100	100	2140	7	4.5					3486	5626
4/14/13 18:00		100	100	100	2140	7	4.5					3486	5626
4/14/13 19:00		100	100	100	2140	7	4.5					3486	5626
4/14/13 20:00	630.69	100	100	100	2140	7	5					3613	5753
4/14/13 21:00		100	100	100	2140	7	5					3613	5753
4/14/13 22:00		100	100	100	2140	7	5					3613	5753
4/14/13 23:00		100	100	100	2140	7	5					3613	5753

WINTER DRAW DOWN IN EFFECT

Date	Headwater	Tur #1 %	Tur #2 %	Tur #3 %	Turbine CFS	Gate #2 FT.	Gate #3 FT.	Gate #4 FT.	Gate #5 FT.	Gate #1 FT.	Gate #6 FT.	Gate CFS	Total CFS Discharged
4/19/13 0:00		100	100	100	2140	7	7	7	7	7	4	12213	14353
4/19/13 1:00		100	100	100	2140	7	7	7	7	7	4	12213	14353
4/19/13 2:00	629.00	100	100	100	2140	7	7	7	7	7	4	12213	14353
4/19/13 3:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 4:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 5:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 6:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 7:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 8:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 9:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 10:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 11:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 12:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 13:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 14:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 15:00		100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 16:00	629.48	100	100	100	2120	7	7	7	7	7	4	12213	14333
4/19/13 17:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/19/13 18:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/19/13 19:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/19/13 20:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/19/13 21:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/19/13 22:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/19/13 23:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/20/13 0:00	629.53	100	100	100	2120	7	7	7	7	7	2	11134	13254
4/20/13 1:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/20/13 2:00		100	100	100	2120	7	7	7	7	7	2	11134	13254
4/20/13 3:00	629.59	100	100	100	2120	7	7	7	7	4		9828	11948
4/20/13 4:00		100	100	100	2120	7	7	7	7	4		9828	11948
4/20/13 5:00	629.62	100	100	100	2120	7	7	7	6			8036	10156
4/20/13 6:00		100	100	100	2120	7	7	7	6			8036	10156
4/20/13 7:00		100	100	100	2120	7	7	7	6			8036	10156
4/20/13 8:00		100	100	100	2120	7	7	7	6			8036	10156
4/20/13 9:00		100	100	100	2120	7	7	7	6			8036	10156
4/20/13 10:00		100	100	100	2120	7	7	7	3			7278	9398
4/20/13 11:00		100	100	100	2120	7	7	7	3			7278	9398
4/20/13 12:00	629.71	100	100	100	2140	7	7	2				4875	7015
4/20/13 13:00		100	100	100	2140	7	7	2				4875	7015
4/20/13 14:00		100	100	100	2140	7	7	2				4875	7015
4/20/13 15:00	629.73	POWER OUTAGE			0	7	7	2				4875	4875
4/20/13 16:00	629.89				0	7	7	7				6297	6297
4/20/13 17:00					0	7	7	7				6297	6297
4/20/13 18:00	629.85	100	100	100	2140	7	7	4				5458	7598
4/20/13 19:00		100	100	100	2140	7	7	4				5458	7598
4/20/13 20:00		100	100	100	2140	7	7	4				5458	7598
4/20/13 21:00	629.86	100	100	100	2140	7	7					4198	6338
4/20/13 22:00		100	100	100	2140	7	7					4198	6338
4/20/13 23:00		100	100	100	2140	7	7					4198	6338
4/21/13 0:00	629.90	100	100	100	2140	7	3					3080	5220
4/21/13 1:00	629.89	100	100	100	2140	7	1					2449	4589
4/21/13 2:00	629.87	100	100	100	2140	7						2099	4239
4/21/13 3:00	629.91	100	100	100	2140	5						1514	3654
4/21/13 4:00	629.94	100	100	100	2140	3						981	3121
4/21/13 5:00	629.94	100	100	100	2140	3						981	3121
4/21/13 6:00	629.94	100	100	100	2140	3						981	3121
4/21/13 7:00	629.94	100	100	100	2140	3						981	3121
4/21/13 8:00	629.94	100	100	100	2140	3						981	3121
4/21/13 9:00	630.19	100	100	100	2140	3						981	3121
4/21/13 10:00		100	100	100	2140	3						981	3121
4/21/13 11:00		100	100	100	2140	3						981	3121
4/21/13 12:00		100	100	100	2140	3						981	3121
4/21/13 13:00		100	100	100	2140	3						981	3121
4/21/13 14:00		100	100	100	2140	3						981	3121
4/21/13 15:00		100	100	100	2140	3						981	3121
4/21/13 16:00		100	100	100	2140	3						981	3121
4/21/13 17:00		100	100	100	2140	3						981	3121
4/21/13 18:00		100	100	100	2140	3						981	3121
4/21/13 19:00		100	100	100	2140	3						981	3121
4/21/13 20:00	630.48	100	100	100	2140	2.5						829	2969
4/21/13 21:00		100	100	100	2140	2.5						829	2969
4/21/13 22:00		100	100	100	2140	2.5						829	2969
4/21/13 23:00		100	100	100	2140	2.5						829	2969

Date	Headwater	Tur #1 %	Tur #2 %	Tur #3 %	Turbine CFS	Gate #2 FT.	Gate #3 FT.	Gate #4 FT.	Gate #5 FT.	Gate #1 FT.	Gate #6 FT.	Gate CFS	Total CFS Discharged
5/23/13 0:00		100	100	100	2140	7	7					4198	6338
5/23/13 1:00	631.03	100	100	100	2140	7	7	2				4875	7015
5/23/13 2:00	631.03	100	100	100	2140	7	7	4				5458	7598
5/23/13 3:00		100	100	100	2140	7	7	4				5458	7598
5/23/13 4:00	631.03	100	100	100	2140	7	7	5.5				5824.5	7964.5
5/23/13 5:00		100	100	100	2140	7	7	5.5				5824.5	7964.5
5/23/13 6:00		100	100	100	2140	7	7	5.5				5824.5	7964.5
5/23/13 7:00		100	100	100	2140	7	7	5.5				5824.5	7964.5
5/23/13 8:00		100	100	100	2140	7	7	5.5				5824.5	7964.5
5/23/13 9:00	631.08	100	100	100	2140	7	7	7	3			7278	9418
5/23/13 10:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 11:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 12:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 13:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 14:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 15:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 16:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 17:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 18:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 19:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 20:00		100	100	100	2140	7	7	7	3			7278	9418
5/23/13 21:00	630.82	100	100	100	2140	7	7	7	2			6974	9114
5/23/13 22:00		100	100	100	2140	7	7	7	2			6974	9114
5/23/13 23:00		100	100	100	2140	7	7	7	2			6974	9114
5/24/13 0:00	630.80	100	100	100	2140	7	7	7	0.75			6560	8700
5/24/13 1:00		100	100	100	2140	7	7	7	0.75			6560	8700
5/24/13 2:00	630.78	100	100	100	2140	7	7	6				5937	8077
5/24/13 3:00	630.75	100	100	100	2140	7	7	4.5				5585	7725
5/24/13 4:00		100	100	100	2140	7	7	4.5				5585	7725
5/24/13 5:00	630.78	100	100	100	2140	7	7	3				5179	7319
5/24/13 6:00	630.76	100	100	100	2140	7	7	1.5				5027	7167
5/24/13 7:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 8:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 9:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 10:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 11:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 12:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 13:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 14:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 15:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 16:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 17:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 18:00		100	100	100	2140	7	7	1.5				5027	7167
5/24/13 19:00	630.82	100	100	100	2140	7	7	1				4548	6688
5/24/13 20:00	630.82	100	100	100	2140	7	7					4198	6338
5/24/13 21:00	930.81	100	100	100	2140	7	3					3080	5220
5/24/13 22:00		100	100	100	2140	7	3					3080	5220
5/24/13 23:00		100	100	100	2140	7	3					3080	5220
5/25/13 0:00		100	100	100	2140	7	3					3080	5220
5/25/13 1:00	630.76	100	100	100	2140	7						2099	4239
5/25/13 2:00		100	100	100	2140	7						2099	4239
5/25/13 3:00	630.80	100	100	100	2140	4						1260	3400
5/25/13 4:00		100	100	100	2140	4						1260	3400
5/25/13 5:00	630.86	100	100	100	2140	6.5						1919	4059
5/25/13 6:00		100	100	100	2140	6.5						1919	4059
5/25/13 7:00		100	100	100	2140	6.5						1919	4059
5/25/13 8:00		100	100	100	2140	6.5						1919	4059
5/25/13 9:00	630.70	100	100	100	2140	4						1260	3400
5/25/13 10:00		100	100	100	2140	4						1260	3400
5/25/13 11:00		100	100	100	2140	4						1260	3400
5/25/13 12:00		100	100	100	2140	4						1260	3400
5/25/13 13:00		100	100	100	2140	4						1260	3400
5/25/13 14:00	630.82	100	100	100	2140	3						981	3121
5/25/13 15:00		100	100	100	2140	3						981	3121
5/25/13 16:00		100	100	100	2140	3						981	3121
5/25/13 17:00		100	100	100	2140	3						981	3121
5/25/13 18:00		100	100	100	2140	3						981	3121
5/25/13 19:00		100	100	100	2140	3						981	3121
5/25/13 20:00		100	100	100	2140	3						981	3121
5/25/13 21:00		100	100	100	2140	3						981	3121
5/25/13 22:00		100	100	100	2140	3						981	3121
5/25/13 23:00		100	100	100	2140	3						981	3121

Date	Headwater	Tur #1 %	Tur #2 %	Tur #3 %	Turbine CFS	Gate #2 FT.	Gate #3 FT.	Gate #4 FT.	Gate #5 FT.	Gate #1 FT.	Gate #6 FT.	Gate CFS	Total CFS Discharged
5/29/13 0:00	630.87	100	100	100	2140	0						0	2140
5/29/13 1:00		100	100	100	2140	0						0	2140
5/29/13 2:00		POWER OUTAGE			0	7						2099	2099
5/29/13 3:00		POWER OUTAGE			0	7						2099	2099
5/29/13 4:00		POWER OUTAGE			0	7						2099	2099
5/29/13 5:00	631.07				0	7	7					4198	4198
5/29/13 6:00	631.06	100	100	100	2140	7	7					4198	6338
5/29/13 7:00	631.02	100	100	100	2140	7	7	7				6297	8437
5/29/13 8:00	630.98	100	100	100	2140	7	7	7	3			7278	9418
5/29/13 9:00		100	100	100	2140	7	7	7	3			7298	9438
5/29/13 10:00	631.03	100	100	100	2140	7	7	7	5			7811	9951
5/29/13 11:00	631.02	100	100	100	2140	7	7	7	6			8036	10176
5/29/13 12:00		100	100	100	2140	7	7	7	6			8036	10176
5/29/13 13:00		100	100	100	2140	7	7	7	6			8036	10176
5/29/13 14:00		100	100	100	2140	7	7	7	6			8036	10176
5/29/13 15:00		100	100	100	2140	7	7	7	6			8036	10176
5/29/13 16:00		100	100	100	2140	7	7	7	6			8036	10176
5/29/13 17:00	630.75	100	100	100	2140	7	7	7	3.5			7418	9558
5/29/13 18:00		100	100	100	2140	7	7	7	3.5			7418	9558
5/29/13 19:00		100	100	100	2140	7	7	7	3.5			7418	9558
5/29/13 20:00	630.81	100	100	100	2140	7	7	7	5			7811	9951
5/29/13 21:00		100	100	100	2140	7	7	7	5			7811	9951
5/29/13 22:00		100	100	100	2140	7	7	7	5			7811	9951
5/29/13 23:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 0:00	630.77	100	100	100	2140	7	7	7	5			7811	9951
5/30/13 1:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 2:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 3:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 4:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 5:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 6:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 7:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 8:00		100	100	100	2140	7	7	7	5			7811	9951
5/30/13 9:00	630.65	100	100	100	2140	7	7	7				6297	8437
5/30/13 10:00		100	100	100	2140	7	7	7				6297	8437
5/30/13 11:00		100	100	100	2140	7	7	7				6297	8437
5/30/13 12:00		100	100	100	2140	7	7	7				6297	8437
5/30/13 13:00	630.65	100	100	100	2140	7	7	5				5712	7852
5/30/13 14:00		100	100	100	2140	7	7	5				5712	7852
5/30/13 15:00	630.63	100	100	100	2140	7	7	3.5				7418	9558
5/30/13 16:00	630.72	100	100	100	2140	7	7	3.5				7418	9558
5/30/13 17:00		100	100	100	2140	7	7	3.5				7418	9558
5/30/13 18:00		100	100	100	2140	7	7	3.5				7418	9558
5/30/13 19:00	630.65	100	100	100	2140	7	7					4198	6338
5/30/13 20:00		100	100	100	2140	7	7					4198	6338
5/30/13 21:00	630.66	100	100	100	2140	7	4					3359	5499
5/30/13 22:00		100	100	100	2140	7	4					3359	5499
5/30/13 23:00		100	100	100	2140	7	4					3359	5499
5/31/13 0:00		100	100	100	2140	7	4					3359	5499
5/31/13 1:00	630.67	100	100	100	2140	7	4					3359	5499
5/31/13 2:00		100	100	100	2140	7	4					3359	5499
5/31/13 3:00		100	100	100	2140	7	4					3359	5499
5/31/13 4:00	630.66	100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 5:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 6:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 7:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 8:00	630.67	100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 9:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 10:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 11:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 12:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 13:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 14:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 15:00		100	100	100	2140	7	3.5					3219.5	5359.5
5/31/13 16:00	630.64	100	100	100	2140	7	2					2776	4916
5/31/13 17:00		100	100	100	2140	7	2					2776	4916
5/31/13 18:00	630.62	100	100	100	2140	7	1					2449	4589
5/31/13 19:00		100	100	100	2140	7	1					2449	4589
5/31/13 20:00		100	100	100	2140	7	1					2449	4589
5/31/13 21:00	630.62	100	100	100	2140	7						2099	4239
5/31/13 22:00		100	100	100	2140	7						2099	4239
5/31/13 23:00		100	100	100	2140	7						2099	4239

Document Content(s)

Sanford Flow Data.DOCX.....1-1

Sanford hourly flow spring 13.XLS.....2-6