

2004 ANNUAL REPORT
 RECORD OF WELL PUMPAGE and WATER LEVELS
 SUSQUEHANNA RIVER BASIN COMMISSION PERMIT NO. 19961102

WEEKLY READING DATE	WELL A				WELL B				WELL C				TOTAL FLOW over Period (x 1000 GALS)			
	TOTALIZER READING (x 1000 GALS)			AVE DAILY FLOW (GALS)	TOTALIZER READING (x 1000 GALS)			AVE DAILY FLOW (GALS)	TOTALIZER READING (x 1000 GALS)			AVE DAILY FLOW (GALS)				
	START	STOP	NET FLOW		START	STOP	NET FLOW		START	STOP	NET FLOW					
29-Dec-03	N/A	4167	N/A		N/A	0	N/A		N/A	0	N/A		N/A			
05-Jan-04	4167	4613	446		0	0	455		0	0	455		1,356			
12-Jan-04	4613	4720	107		0	0	455		0	0	455		1,017			
19-Jan-04	4720	5169	449		0	0	455		0	0	455		1,359			
26-Jan-04	5169	5238	69	New meter installed 03/01/04. Meter start at 0000 gals.	0	0	455	New meter installed 03/01/04. Meter start at 0000 gals.	0	0	455	New meter installed 03/01/04. Meter start at 0000 gals.	0	979		
02-Feb-04	5238	5630	392		0	0	455		0	0	455		0	455	1,302	
09-Feb-04	5630	6067	437		0	0	455		0	0	455		0	455	1,347	
16-Feb-04	6067	6500	433		0	0	455		0	0	455		0	455	1,343	
23-Feb-04	6500	6932	432		0	0	455		0	0	455		0	455	1,342	
01-Mar-04	6932	7358	426		0	0	455		0	0	455		0	455	1,336	
08-Mar-04	7358	405	405 ✓		0	146	146		✓	0	152		152 ✓			703
15-Mar-04	405	791	386		146	228	82		Flow meter cos thru 03/01/04.	152	234		82	Flow meter cos thru 03/01/04.		550
22-Mar-04	791	1213	422		228	382	154		Net Flows est. using max. pump flow, and 24/7 ops. 45 gpm x 1440 = 64800 gals.	234	393		159	Net Flows est. using max. pump flow, and 24/7 ops. 45 gpm x 1440 = 64800 gals.		735
Mar-04	1213	1625	412		382	526	144		Therefore, over 7 day period net flow = 7 x 64800 gpd = 453,600. Round to 455,000 gals/7days.	393	542		149	Therefore, over 7 day period net flow = 7 x 64800 gpd = 453,600. Round to 455,000 gals/7days.		705
Apr-04	1625	2040	415	526	696	170		542	716	174			759			
12-Apr-04	2040	2487	447	696	851	155		716	874	158			760			
19-Apr-04	2487	2904	417	851	956	105		874	980	106			628			
26-Apr-04	2904	3353	449	956	1052	96		980	1075	95			640			
03-May-04	3353	3803	450	1052	1200	148		1075	1225	150			748			
10-May-04	3803	4237	434	1200	1415	215		1225	1359	134			783			
17-May-04	4237	4655	418	1415	1628	213		1359	1530	171			802			
24-May-04	4655	5088	433	1628	1859	231		1530	1761	231			895			
31-May-04	5088	5505	417	1859	2079	220		1761	1947	186			823			
07-Jun-04	5505	5913	408	2079	2287	208		1947	2109	162			778			
14-Jun-04	5913	6325	412	2287	2503	216		2109	2234	125			753			
21-Jun-04	6325	6711	386	2503	2704	201		2234	2417	183			770			
28-Jun-04	6711	7097	386	2704	2903	199		2417	2616	199			784			
05-Jul-04	7097	7459	362	2903	3094	191		2616	2803	187			740			
12-Jul-04	7459	7844	385	3094	3297	203		2803	2974	171			759			
19-Jul-04	7844	8214	370	3297	3492	195		2974	3169	195			760			
26-Jul-04	8214	8599	385 ✓	3492	3683	191 ✓		3169	3344	175 ✓			751			

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WEEKLY READING DATE	WELL A				WELL B				WELL C				TOTAL FLOW over Period (x 1000 GALS)
	TOTALIZER READING (x 1000 GALS)			AVE DAILY FLOW (GALS)	TOTALIZER READING (x 1000 GALS)			AVE DAILY FLOW (GALS)	TOTALIZER READING (x 1000 GALS)			AVE DAILY FLOW (GALS)	
	START	STOP	NET FLOW		START	STOP	NET FLOW		START	STOP	NET FLOW		
02-Aug-04	8599	8960	361✓		3683	3859	176		3344	3509	165		
09-Aug-04	8960	9369	409		3859	4063	204		3509	3687	178		702
16-Aug-04	9369	9762	393	Meter turnover from 9999 gals to 0000 gals. Net flow = 10000 - 9762 = 238 + 143 = 381	4063	4221	158		3687	3838	151		791
23-Aug-04	9762	143	381		4221	4415	194		3838	4024	186		702
30-Aug-04	143	538	395		4415	4622	207		4024	4201	177		761
06-Sep-04	538	918	380		4622	4834	212		4201	4405	204		779
13-Sep-04	918	1268	350		4834	5023	189		4405	4580	175		796
20-Sep-04	1268	1661	393		5023	5237	214		4580	4781	201		714
27-Sep-04	1661	2027	366		5237	5426	189		4781	4954	173		808
11-Oct-04	2027	2771	744		5426	5808	382✓		4954	5287	333		728
18-Oct-03	2771	3150	379		5808	6015	207		5287	5436	149		1,459
25-Oct-04	3150	3529	379		6015	6201	186		5436	5525	89		735
01-Nov-04	3529	3901	372	6201	6402	201		5525	5708	183		654	
08-Nov-04	3901	4259	358	6402	6524	122		5708	5835	127		756	
15-Nov-04	4259	4649	390	6524	6594	70		5835	5901	66		607	
22-Nov-04	4649	4988	339	6594	6722	128		5901	6025	124		526	
29-Nov-04	4988	5361	373	6722	6913	191		6025	6213	188		591	
06-Dec-04	5361	5754	393	6913	7112	199		6213	6287	74		752	
13-Dec-04	5754	6145	391	7112	7235	123		6287	6400	113✓		666	
20-Dec-04	6145	6536	391	7235	7420	185		6400	6584	184✓		627	
27-Dec-04	6536	6918	382	7420	7541	121		6584	6704	120✓		760	
03-Jan-05	6918	7243	325	7541	7601	60		6704	6764	60✓		623	
													445

Annual Summary Well A		Annual Summary Well B		Annual Summary Well C	
Total Gallons Withdrawn (x 1000)	20,434	Total Gallons Withdrawn (x 1000)	11,696	Total Gallons Withdrawn (x 1000)	10,859
Average Daily Withdrawal Rate (gals/day)	54,930	Average Daily Withdrawal Rate (gals/day)	31,441	Average Daily Withdrawal Rate (gals/day)	29,191

Annual Summary Combined Wells A, B & C	
Total Groundwater Withdrawals	42,989,000 gallons
Average Withdrawal Rate	115,562 gallons/day

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Maximum 30-Day Average - 2004 Recorded Project Groundwater Withdrawals (see shaded data area page no. 1)	
Period	Total Period Flow (gals)
Jan 26 thru Feb 2	1,302,000
Feb 3 thru Feb 9	1,347,000
Feb 10 thru Feb 16	1,343,000
Feb 17 thru Feb 23	1,342,000
Feb 24 thru Mar 1	1,336,000
Total Flow	6,670,000
Equivalent Daily Flow (gals/day)	185,278

Docket Approval 30-day maximum 225,000 gals/day

NOTE: 30-day average values are conservatively high due to using maximum pump flow estimates for period that well pump flow meters were out of service during later portion of 2004.

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 RECORD OF WELL PUMPAGE - DRINKING WATER WELLS (optional)
 SUSQUEHANNA RIVER BASIN COMMISSION PERMIT NO. 19961102

WEEKLY READING DATE	OSF/NOB WELL			AVE DAILY FLOW (GALS)	BUILDING 48 WELL			AVE DAILY FLOW (GALS)	TOTAL PERIOD FLOW BLDG 48 + OSF/NOB (GALS)
	TOTALIZER READING (x 100 GALS)				TOTALIZER READING (X 100 GALS)				
	START	STOP	WEEKLY FLOW		START	STOP	WEEKLY FLOW		
29-Dec-03	N/A	67187	N/A	OSF/NOB well	N/A	232082	N/A		N/A
05-Jan-04	67187	67187	0	divert to clearwell	232082	232678	596		59,600
12-Jan-04	67187	67187	0	starling May 21,	232678	233734	1056		105,600
19-Jan-04	67187	67187	0	2004. Assume	233734	234268	534		53,400
26-Jan-04	67187	67187	0	35 gpm 24/7	234268	235013	745		74,500
02-Feb-04	67187	67187	0	continuous to	235013	235650	637		63,700
09-Feb-04	67187	67187	0	clearwell =	235650	236261	611		61,100
16-Feb-04	67187	67187	0	50,000 gpd when	236261	236867	606		60,600
23-Feb-04	67187	67187	0	well flowing to	236867	237424	557		55,700
01-Mar-04	67187	67187	0	clearwell. Flow	237424	237862	438		43,800
08-Mar-04	67187	67187	0	meter not in	237862	238313	451		45,100
15-Mar-04	67187	67187	0	service with flow	238313	238954	641		64,100
22-Mar-04	67187	67187	0	to clearwell.	238954	239324	370		37,000
29-Mar-04	67187	67187	0	Flow intermittent	239324	239988	664		66,400
05-Apr-04	67187	67187	0	however operator	239988	240410	422		42,200
12-Apr-04	67187	67187	0	logs not detailed	240410	240925	515		51,500
19-Apr-04	67187	67187	0	to support flows	240925	241456	531		53,100
26-Apr-04	67187	67187	0	on/off.	241456	241893	437		43,700
03-May-04	67187	67187	0	Drink water flow	241893	242440	547		54,700
10-May-04	67187	67187	0	05/19 thru 05/21	242440	242898	458		45,800
17-May-04	67187	67187	0	via OSF/NOB	242898	243427	529		52,900
24-May-04	67187	67500	1813	well. Weekly	243427	243668	241		205,400
31-May-04	67500	67500	3500	Flow = meter flow	243668	244047	379		387,900
07-Jun-04	67500	67500	3500	+ est clearwell	244047	244414	367		386,700
14-Jun-04	67500	67500	3500	flow = 313 (100)	244414	244860	446		394,600
21-Jun-04	67500	67500	3500	+ 50,000 (3 days)	244860	245248	388		388,800
28-Jun-04	67500	67500	3500	= 31300 +	245248	245721	473		397,300
05-Jul-04	67500	67500	3500	150,000 =	245721	246104	383		388,300
12-Jul-04	67500	67500	3500	181,300 (eq to	246104	246507	403		390,300
19-Jul-04	67500	67500	3500	1813 met read.)	246507	246928	421		392,100
26-Jul-04	67500	67500	3500		246928	247347	419		391,900

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WEEKLY READING DATE	OSF/NOB WELL			AVE DAILY FLOW (GALS)	BUILDING 48 WELL			TOTAL PERIOD FLOW BLDG 48 + OSF/NOB (GALS)	
	TOTALIZER READING (x 100 GALS)				TOTALIZER READING (X 100 GALS)				AVE DAILY FLOW (GALS)
	START	STOP	WEEKLY FLOW		START	STOP	WEEKLY FLOW		
02-Aug-04	67500	67500	3500		247347	247759	412	391,200	
09-Aug-04	67500	67500	3500		247759	248220	461	396,100	
16-Aug-04	67500	67500	3500		248220	248678	458	395,800	
23-Aug-04	67500	67500	3500		248678	249224	546	404,600	
30-Aug-04	67500	67500	3500		249224	249756	532	403,200	
06-Sep-04	67500	67500	3500		249756	250150	394	389,400	
13-Sep-04	67500	67500	3500		250150	250714	564	406,400	
20-Sep-04	67500	67500	3500		250714	251147	433	393,300	
27-Sep-04	67500	67500	3500	See note previous page on OSF/NOB flow to clearwell.	251147	251662	515	401,500	
11-Oct-04	67500	67500	7000		251662	252775	1113	811,300	
18-Oct-03	67500	67500	3500		252775	253327	552	405,200	
25-Oct-04	67500	67500	3500		253327	253848	521	402,100	
01-Nov-04	67500	67500	3500		253848	254333	485	398,500	
08-Nov-04	67500	67500	3500		254333	254791	458	395,800	
15-Nov-04	67500	67500	3500		254791	255245	454	395,400	
22-Nov-04	67500	67500	3500		255245	255707	462	396,200	
29-Nov-04	67500	67500	3500		255707	256158	451	395,100	
06-Dec-04	67500	67500	3500		256158	256580	422	392,200	
13-Dec-04	67500	67500	3500	256580	257012	432	393,200		
20-Dec-04	67500	67500	3500	257012	257432	420	392,000		
27-Dec-04	67500	67500	3500	257432	257722	290	379,000		
03-Jan-05	67500	67500	3500	257722	258124	402	390,200		

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(357 Pump Depth) (463 Pump Depth) (378 Pump Depth)

WEEKLY READING DATE	WELL A		WELL B		WELL C	
	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL	WATER LEVEL
	ABOVE PUMP (FT)	BELOW GRADE (FT)	ABOVE PUMP (FT)	BELOW GRADE (FT)	ABOVE PUMP (FT)	BELOW GRADE (FT)
29-Dec-03	185	172	240	243	328	50
05-Jan-04	118	239	81	402	277	101
12-Jan-04	180	177	116	368	353	25
19-Jan-04	328	29	196	287	485	-107(25)
26-Jan-04	312	45	413	70	356	22
02-Feb-04	164	193	104	379	268	110
09-Feb-04	201	156	351	132	356	22
16-Feb-04	148	209	97	386	273	105
23-Feb-04	206	151	243	240	353	25
01-Mar-04	231	126	310	173	351	27
08-Mar-04	249	108	393	90	358	20
15-Mar-04	213	144	243	240	358	20
22-Mar-04	219	138	254	229	356	22
29-Mar-04	407	-50 (36)	407	76	430	-52 (??)
05-Apr-04	247	110	303	180	358	20
12-Apr-04	213	144	409	74	353	25
19-Apr-04	273	84	249	234	358	20
26-Apr-04	240	117	247	236	356	22
03-May-04	217	140	289	194	356	22
10-May-04	296	61	337	146	356	22
17-May-04	120	237	69	414	286	92
24-May-04	109	248	65	418	273	105
31-May-04	120	237	85	398	351	27
07-Jun-04	118	239	85	398	347	32
14-Jun-04	106	251	85	398	347	32
21-Jun-04	95	262	58	425	259	119
28-Jun-04	81	276	55	428	245	133
05-Jul-04	289	68	300	183	349	29
12-Jul-04	90	267	72	411	347	32
19-Jul-04	291	66	296	187	356	22
26-Jul-04	116	242	65	418	286	92

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(357 DEPTH) (403 DEPTH) (374 DEPTH)

WEEKLY READING DATE	WELL A		WELL B		WELL C	
	WATER LEVEL ABOVE PUMP (FT)	WATER LEVEL BELOW GRADE (FT)	WATER LEVEL ABOVE PUMP (FT)	WATER LEVEL BELOW GRADE (FT)	WATER LEVEL ABOVE PUMP (FT)	WATER LEVEL BELOW GRADE (FT)
02-Aug-04	252	105	335	148	358	20
09-Aug-04	282	75 ✓	319	164	353	25
16-Aug-04	159	198	407	76	356	22
23-Aug-04	314	43	409	74	358	20
30-Aug-04	300	57	351	132	356	22 ✓
06-Sep-04	298	59	372	111	353	25
13-Sep-04	314	43	397	86	358	20
20-Sep-04	273	84	282	201 ✓	358	20
27-Sep-04	104	253	58	425	291	87
11-Oct-04	104	253	74	409	351	27
18-Oct-03	85	272	69	414	351	27
25-Oct-04	79	278 ✓	69	414	351	27
01-Nov-04	79	278	46	437	277	101 ✓
08-Nov-04	74	283	55	428	277	101
15-Nov-04	157	200	240	243	356	22
22-Nov-04	162	195	245	238	356	22
29-Nov-04	226	131 ✓	76	407	351	27
06-Dec-04	83	274	60	423 ✓	344	34
13-Dec-04	92	265	51	432	277	101 ✓
20-Dec-04	180	177	231	252	353	25
27-Dec-04	187	170	418	65	356	22
03-Jan-05	162	195 ✓	418	65 ✓	323	55

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	A	A	B	B	C	C
	psig	ft water	psig	ft water	psig	ft water
29-Dec-03	80	185	104	240	142	328
05-Jan-04	51	118	35	81	120	277
12-Jan-04	78	180	50	116	153	353
19-Jan-04	142	328	85	196	210	485
26-Jan-04	135	312	179	413	154	356
02-Feb-04	71	164	45	104	116	268
09-Feb-04	87	201	152	351	154	356
16-Feb-04	64	148	42	97	118	273
23-Feb-04	89	206	105	243	153	353
01-Mar-04	100	231	134	310	152	351
08-Mar-04	108	249	170	393	155	358
15-Mar-04	92	213	105	243	155	358
22-Mar-04	95	219	110	254	154	356
29-Mar-04	176	407	176	407	186	430
05-Apr-04	107	247	131	303	155	358
12-Apr-04	92	213	177	409	153	353
19-Apr-04	118	273	108	249	155	358
26-Apr-04	104	240	107	247	154	356
03-May-04	94	217	125	289	154	356
10-May-04	128	296	146	337	154	356
17-May-04	52	120	30	69	124	286
24-May-04	47	109	28	65	118	273
31-May-04	52	120	37	85	152	351
07-Jun-04	51	118	37	85	150	347
14-Jun-04	46	106	37	85	150	347
21-Jun-04	41	95	25	58	112	259
28-Jun-04	35	81	24	55	106	245
05-Jul-04	125	289	130	300	151	349
12-Jul-04	39	90	31	72	150	347
19-Jul-04	126	291	128	296	154	356
26-Jul-04	50	116	28	65	124	286

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		A		B		C	
		psig	ft water	psig	ft water	psig	ft water
Well B level bubbler tube depth changed from 450 feet below grade to 483 feet below grade on Oct 16/17, 2003 with B pump replacement. Bubbler tube end at top of pump well motor/pump suction currently. Spreadsheet calculation changed to reflect tube depth change starting with Oct 20, 2003 readings. Spreadsheet calculation for Well B 2004 revised to Water level below grade = 483 feet - water level above pump.	02-Aug-04	109	252	145	335	155	358
	09-Aug-04	122	282	138	319	153	353
	16-Aug-04	69	159	176	407	154	356
	23-Aug-04	136	314	177	409	155	358
	30-Aug-04	130	300	152	351	154	356
	06-Sep-04	129	298	161	372	153	353
	13-Sep-04	136	314	172	397	155	358
	20-Sep-04	118	273	122	282	155	358
	27-Sep-04	45	104	25	58	126	291
	11-Oct-04	45	104	32	74	152	351
	18-Oct-03	37	85	30	69	152	351
	25-Oct-04	34	79	30	69	152	351
	01-Nov-04	34	79	20	46	120	277
	08-Nov-04	32	74	24	55	120	277
	15-Nov-04	68	157	104	240	154	356
	22-Nov-04	70	162	106	245	154	356
	29-Nov-04	98	226	33	76	152	351
	06-Dec-04	86	83	26	60	149	344
	13-Dec-04	40	92	22	51	120	277
	20-Dec-04	78	180	100	231	153	353
27-Dec-04	81	187	181	418	154	356	
03-Jan-05	70	162	181	418	140	323	