Water & Sanitary Board Agenda Thursday, June 2, 2022 12:30 p.m. Town Hall 104 N. King St. Shepherdstown, WV 25443 Masks - Optional

- 1. Call to Order
- 2. Review and approval of Draft Water and Sanitary Board Minutes of April 28, 2022
- 3. Visitors Pat Dorsey 28 years service (retiring on July 19th, 2022)
- 4. Finances
 - a. Financial Statements Discussion David Decker
- 5. Flow and Quality Reports
 - a. (1) Water Reports information item
 - b. (2) Sewer Reports information item
- 6. Unfinished Business
 - a. Sewer Use Ordinance Revision and comments Summer, 2022
 - b. Water Plant Improvement Project Jeff Ekstrom to report
 - c. Update on Water Distribution Project (Region 9)

7. New Business

- a. Sheetz Store Approval of Step II Alternate Mainline Extension Agreement Has been sent to PSC
- b. Hydrant Report Woody Coe to report
- c. Renewal of Colonial Hills Phase III Water and Sewer application
- d. Purchase of Fence Woody Coe to report
- 8. Mayor's Report
- 9. Next meeting date July, 2022
- 10. Summarize Action Items from this meeting
- 11. Draft Agenda for next meeting
- 12. Adjournment

DRAFT MINUTES CORPORATION OF SHEPHERDSTOWN, WEST VIRGINIA WATER & SANITARY BOARDS

April 28, 2022

ATTENDEES: Water Board – J. Auxer (Mayor), J. Bresland, J. Ford, M. Godfrey, C. Stroech Sanitary Board – J. Auxer (Chair), H. Heyser (via phone), R. Keller Town Staff –C. Coe, K. Shipley, F. Welch, J. Ekstrom (Ghosh Engineers) Visitors: Sylke Knuppel, Steve Pearson

CALL TO ORDER.

The Water and Sanitary Boards meeting was called to order by J. Auxer at 12:30 p.m.

2. MINUTES FROM PRIOR MEETING.

The proposed minutes of the March 24, 2022, regular meeting were reviewed and approved as submitted.

3. VISITORS.

S. Knuppel was considered for recommendation to Town Council as a member of the Water Board.

ACTION ITEM: J. BRESLAND MOVED AND M. GODFREY SECONDED THAT A RECOMMENDATION BE SENT TO TOWN COUNCIL TO APPROVE S. KNUPPEL AS A MEMBER OF THE WATER BOARD. MOTION PASSED UNANIMOUSLY WITH NO FURTHER DISCUSSION.

4. FINANCES. Financial Statements Discussion

No financial statements were available for review. J. Auxer stated that D. Decker hoped to have statements ready for review by the end of May.

5. FLOW AND QUALITY REPORTS.

5.a WATER REPORTS - NO VIOLATIONS.

C. Coe reported that everything is in good order.

5.b. SANITARY REPORTS - NO VIOLATIONS.

K. Shipley reported that everything is in good order.

6. UNFINISHED BUSINESS.

6.a SEWER USE ORDINANCE - REVISION AND COMMENTS - SPRING 2022.

R. Keller explained that he is heavily involved in the construction of the new Library and would be able to make progress on this issue when the Library project has been completed.

6.b WATER PLANT IMPROVEMENT PROJECT - JEFF EKSTROM TO REPORT.

- J. Ekstrom reported that contractor progress is good. The filter equipment is expected to be received during the 1st week of May and the UV unit is also expected soon.
- J. Auxer asked about the fence. J. Ekstrom stated that a request for bids has been published and that Long Fence has submitted a bid for \$40K. He added that there is already \$13K in the budget for the fence.
- J. Auxer asked if we should expect completion of the project this year. C. Coe stated the the contractor said it will probably not be complete this year. J. Ekstrom stated that the completion date will depend on whether or not materials are delivered on time.

6.c UPDATE ON WATER DISTRIBUTION PROJECT - JEFF EKSTROM TO REPORT.

J. Ekstrom reported that Congressional grant for this project is to be administered by the Army Corps of Engineers and that we are waiting for information as to the details of how the grant will be administered.

7. NEW BUSINESS.

7.a SHEETZ STORE - APPROVAL OF STEP II - ALTERNATE MAINLINE EXTENSION AGREEMENT - TO BE SENT TO PSC.

F. Welch stated that he is working on the Mainline Extension Agreement and that it is almost done. When it is it will be sent to Sheetz for signature and then forwarded to the PSC.

J. Bresland inquired about the estimated completion of the project. K. Shipley stated that the target date is now 6/2 and that the progress was slowed due to the difficulty of sewer boring and a delay in the implementation of the electricity connection.

7.b LEAD AND COPPER/CCR/VIOLATIONS - WOODY COE TO REPORT.

CCR

- C. Coe stated that the CCR will be mailed out 6/1.
- M. Godfrey said that he thought the terminology of the report is dense and possibly overwhelming for the average customer. C. Coe explained that there was a section in which all terms and abbreviations are defined. R. Keller asked if we could include an executive summary. M. Godfrey offered to author such a summary. C. Coe said that when it was done he would submit it to the State to get approval to include it in the CCR and that, if approved, it would be included in next year's report.

LEAD AND COPPER

C. Coe stated that the required samples will be complete and submitted by the middle of June and that we have never had an issue with these samples in the past but that new testing has resulted in problems in some other jurisdictions which had no previous problems.

We have no known lead service lines but we do have 60 to 70 lead goosenecks.

The overall plan is to have the complete survey done by 2024 and any required replacements completed by 2026. Replacements will require the Town to replace the entire line from the main line to 18 inches inside the customer's premises.

7.c RENEWAL OF COLONIAL HILLS PHASE III - WATER AND SEWER APPLICATION.

F. Welch addressed the application renewal request for Colonial Hills Phase III. He noted that the overall Colonial Hills project was begun in 2005 so the Water/Sewer application for Phase III has been renewed quite a few times. He suggested that we should review our procedures with regard to application renewals and consider limiting the number of renewals allowed without resubmitting the application. R. Keller agreed and also noted that a change in ownership should require a resubmission of the application. A general discussion ensued and it was decided to include a review of the application renewal procedure on next month's agenda.

- K. Shipley stated that for Colonial Hills Phase III the water and sewer lines have already been installed and the only issue with the application is that it continues to show the owner as Mark-Colonial Hills LLC, which we believe is no longer the case.
- C. Stroech suggested that we should invite a representative of the project to our next meeting to explain what the current ownership situation is.

ACTION ITEM: C. STROECH MOVED AND J. BRESLAND SECONDED FOR THE WATER BOARD THAT THIS APPLICATION BE TABLED UNTIL IT IS UPDATED WITH THE CORRECT OWNERSHIP INFORMATION. MOTION PASSED UNANIMOUSLY WITH NO FURTHER DISCUSSION.

ACTION ITEM: R. KELLER MOVED AND H. HEYSER SECONDED FOR THE SANITARY BOARD THAT THIS APPLICATION BE TABLED UNTIL IT IS UPDATED WITH THE CORRECT OWNERSHIP INFORMATION. MOTION PASSED UNANIMOUSLY WITH NO FURTHER DISCUSSION.

7.d PURCHASE OF GATE - WWTP.

K. Shipley explained that a new gate was required at the waste water treatment plant.

- J. Auxer stated that it should be a Public Works issue since the gate is used by Town employees other than those of the WWTP in addition to those of the WWTP. It was agreed to assign the purchase issue to Public Works.
- 8. MAYOR'S REPORT. Nothing to report.
- 9. NEXT MEETING DATE.
 Thursday, June 2, 2022, at 12:30PM at the Community Club.
- 10. SUMMARIZE ACTION ITEMS FROM THIS MEETING.
- 11. DRAFT AGENDA FOR NEXT MEETING.
- 12. ADJOURNMENT. J. Auxer adjourned the meeting at 1:25 p.m.

Respectfully Submitted: J. Ford

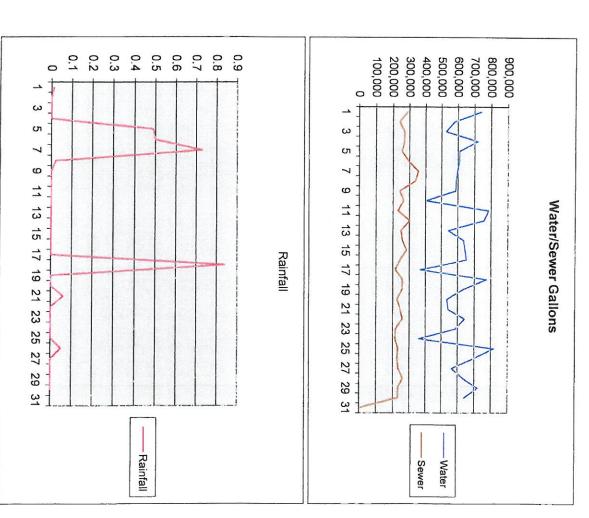
April 2022 Monthly Reports

		N/A	N/A	N/A	N/A	8.5	6.5	S.U.	7.1	S.U.	7.1	PH
						Max Allowed	Min Allowed					
		N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	Mg/I	86.3	Mg/I	86.3	Total Hardness
		N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	Mg/I		Mg/I		Chloride
		N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	Mg/I		Mg/I		Aluminum
		N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	Mg/I		Mg/I		Lead
		N/A	N/A	N/A	N/A	Rpt Only	Rpt Only	Mg/I		Mg/I		Zinc
		N/A	N/A	N/A	N/A	0.0212	0.0094	Mg/I	<0.0037	Mg/I	<0.0037	Copper
609	10.39	50.7	N/A	2.56	N/A	Rpt Only	Rpt Only	Mg/I	0.130	Mg/I	0.04	Total P
6091	640.57	507	N/A	94.16	N/A	Rpt Only	Rpt Only	Mg/I	2.30	Mg/I	1.47	Total N
		N/A	N/A	N/A	N/A	400	200	≦	<10	≦	<10	Fecal
								Cnts/100		Cnts/100		
		33	17	2.36	2.49	6	ω	Mg/I	2.30	Mg/l	1.23	TKN
		334	167	6.75	6.75	60	30	Mg/I	3.0	Mg/l	3.0	TSS
		334	167	4.50	4.50	60	30	Mg/I	<2.0	Mg/I	<2.0	BOD
		N/A	N/A	N/A	N/A	Rpt Only	0.6670	Mgd	0.3545	Mgd	0.2560	Flow
Allowed	Yearly Lbs. Allowed	Allowed	Allowed	Lbs.	Lbs.	Allowed	Allowed		Max		Avg.	
Lbs.		Max Lbs.	Avg. Lbs.	Max	Avg.	Max	Avg.					
Yearly												

Field Name	Applied This Month		Year to Date Applied		Loads	Percent Solids	2 Hr PH	24 Hr PH
Landfill	7.9215	Tons	38.0194	Tons	7	22.1		
Olcott Field 2		Tons		Tons				
Olcott Field 3		Tons		Tons				
Olcott Field 4		Tons		Tons				
Olcott Field 6		Tons		Tons				
Blair-Carter Field 1		Tons		Tons				
Blair-Carter Field 3		Tons		Tons				
Blair-Carter Field 4		Tons		Tons				
Willard Field 1		Tons		Tons				
Willard Field 3		Tons		Tons				
Willard Field 4		Tons		Tons				
Colbert Field 3		Tons		Tons				
Colbert Field 4		Tons		Tons				
Oakley Field 2		Tons		Tons				
Putz Field 2		Tons		Tons				

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Avg.	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	თ	5	4	ω	2	_	Date
617,447		639,800	721,700	633,000	565,100	699,300	819,300	361,000	587,100	643,200	542,800	534,400	635,600	774,600	369,800	653,700	645,700	636,200	543,500	759,300	786,000	405,800	587,600	590,800	598,100	609,600	609,600	720,700	528,800	580,300	741,000	Water
247,765	1	231,100	231,500	260,100	233,300	227,500	232,300	213,100	217,600	258,400	244,600	225,900	255,900	258,000	214,400	243,300	283,200	257,100	250,000	301,500	230,300	264,500	241,800	337,400	354,500	295,000	253,000	269,600	268,200	239,100	288,500	Sewer
0.09		0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.73	0.50	0.49	0.00	0.00	0.00	0.01	RainFall



SUMMARY OF WASTE WATER TREATMENT PLANT OPERATIONS

Niceph and
Sudapi Added Removed MLSS Degrees Castion Test (rop) Ecola, (rrop) Teal (N 140 m) Test (rop) Ecola, (rrop)
Reminored M.L.S.S. Degrees Calaius ToSS (mg/l) DoCA, (mg/l) Teal (Caliform) DOC (mg/l) PH TRM (mg/l) Toulin
M.L.S.S. Degrees Celsius TSS (mg/h) BODs, (mg/h) Feed Coll (peer Do (mg/h) Pri TKN (mg/h) [mg/h] (mg/h) (mg
Degrees Calsius TSS (mg/l) BCD _k (mg/l) Teal (Coll (per Do (mg/l) Total N 1,40 2,10 1,40 2,10 1,40 2,10 1,40 2,10 1,40 2,10 1,40 2,10 1,40 2,10 1,40 2,10 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,40 2,20 1,50 1,50
Degrees Celsius TSS (mg/t) BOD _{ts} (mg/t) Feed Coll (per Do (mg/t) PH TKN (mg/t) Total N 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.40 1.40 1.40 1.40 1.44 1.84 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.84 1.40
BoDe (meyl) Fecal Coll (per Do (meyl))
Fecal Coil (per 100 (mg/t)) PH TKN (mg/t) Total N 1 140 2.10 2.10 1.40 2.10 1.40 2.10 1.40 2.10 1.20 1.20 1.20 1.20 1.20 1.20 1.2
DO (mg/l) PH TKN (mg/l) Total N 1.40 2.10 1.40 2.10 2.30 2.30 2.30 2.30 2.30 2.30 2.30 2.3
PH TKN (mg/l) Total N 1 1.40 2.10 2.30 7.0 1.60 2.30 7.00 5.69 9.20 7.00 7.00 7.00 7.00 7.00 7.00 7.00 7
TKN (mg/l) Total N 1 1.40 2.10 2.30 0.67 1.20 0.92 1.70 0.92 1.70 0.92 1.70 0.92 1.70 0.92 1.70 0.92 1.84 1.84 1.84
Total N 1 (mg/h) 2.10 2.30 2.30 1.20 1.20 1.20 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.3
10.01 10.01

MAIL ONE COPY EACH TO:

Office of Environmental Health Services Certification & Training Program 350 Capitol Street, Room 313 Charleston WV 25301-1798

Division of Environmental Protection ATTN: Municipal Branch 601-57th Street Charleston, WV 25304

SUMMARY OF WASTE WATER TREATMENT PLANT OPERATIONS

Maximum	Minimum	Average	Total	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	ω	2		Date		
0.84	0.01	0.34	2.70						0.05					0.06			0.84										0.02	0.73	0.5	0.49				0.01	Rainfall (inches)		Month_
424	424	424	424																												424				TSS (mg/l) B		April
186	186	186	186																												186				BOD ₅ (mg/l)	INFLUEN	
0.3545	0.2131	0.2560	7.6807		0.2311	0.2315	0.2601	0.2333	0.2275	0.2323	0.2131	0.2176	0.2584	0.2446	0.2259	0.2559	0.2580	0.2144	0.2433	0.2832	0.2571	0.2500	0.3015	0.2303	0.2645	0.2418	0.3374	0.3545	0.2950	0.2530	0.2696	0.2682	0.2391	0.2885	Flow (mgd)	INFLUENT WASTEWATER	
																																			Temp (F°)	TER	Year_
																																			말		20222
9	8	8.5	17										8														9								Grit and Screening (cf)		
40000	16000	29733	892000		16000	16000	40000	40000	40000	40000	24000	16000	16000	40000	40000	40000	40000	40000	40000	40000	40000	40000	20000	20000	20000	20000	20000	40000	40000	40000	16000	16000	16000	16000	Sludge Added (gal)	DIGESTERS	Plant
6934						6934	6934	6934	6934	6934			6934	6934	6934	6934	6934			6934	6934	6934	6934	6934			6934	6934	6934	6934	6934				Removed (gal)	ERS	
8811	712	8226	24678						7122														8811							8745					M.L.S.S.	ACTIVATED SLUDGE	Shepherdstown W.W.T.P.
		0,	3																																Degrees Celsius	EFFLUENT TEMP.	City
3.0	3.0	3.0	3.0																												3.0				TSS (mg/l)		
<2.0																															<2.0				BOD ₅ (mg/l)	2	Shepherdstown
<10	<10	<10	<10																												<10				Fecal Coli (per 100 ml)	PLAN	
																																			DO (mg/l) p	PLANT EFFLUENT	Operator
7.1								-			0						0							2							7.1 1.				pH TKN (mg/l)		~
2.30 2.30											0.81 1.23						.40 0.53							2.30 2							.40 1.80				ng/l) Total N		Kenny Shipley
30 0.13		47 0.04								ļ	23 <0.01						53 <0.01	-						2.3 <0.01							30 0.13			_	Total P		

MAIL ONE COPY EACH TO:

Office of Environmental Health Services Certification & Training Program 350 Capitol Street, Room 313 Charleston WV 25301-1798

Division of Environmental Protection ATTN: Municipal Branch 601-57th Street Charleston, WV 25304



Applicant: SHEPHERDSTOWN, CORPORATION OF Type: Electronic DMR
Reference ID: WV002477 April 2022 (05/24/2022) Permit ID: New/Pending
eDMR Worksheet -- WV0024775 - S01
Status New Printed: May. 24, 2022 11:15 AM

 Permit
 WV0024775
 Outlet No:
 S01

 Report for the Month of:
 April
 Year:
 2022

Type: NORMAL V

Retrieve Parameters

eDMR Schedule

	T			Quantity					Other	Units			Manage			\top	L	ab
Parameter	Permit Limit	s Avg			ts Nun		Min	Avg	Max	CEL*	Units	Number Exceed.		rement uency	Sample	Туре	Test	t Flag
00400 (ML-+) RF-C	Reported					6.2		6.2		T		1/6 m	onths			C	60	
Ph		N/A	N/A			Rpt Only	N/A	Rpt Onl		S.U.	0	1/6 mc	nths	Grab				·
Year Round	Permit Limit					Minimu	l	Maximu							<u> </u>			<u> </u>
61521 (ML-+) RF-C	Reported							<2.7				1/6 m	onths			C	60	
Arsenic, Sludge Tot. Dry		N/A	N/A			N/A	N/A	20		mg/kg	0	1/6 mc	nths	1 Week Co	mt			
Wt (As Ar) Year Round	Permit Limit			1				Maximu	J	-		1		1	***************************************	may a common may record		~
							-	<0.60	+	+		1/6 ~	onths		+		60	
78476 (ML-+) RF-C Cadmium, Sludge, Tot	Reported	1000000	-	-		-		1	1					1	-		100	
Dry Weight (As Cd)	1	N/A	N/A			N/A	N/A	39		mg/kg	0	1/6 mc	nths	1 Week Co	mi	(0)		~
Year Round	Permit Limit							Maximu										
78473 (ML-+) RF-C	Reported							10.1				1/6 m	onths			0	60	
Chromium, Dry Weight		N/A	N/A]		N/A	N/A	1000		mg/kg	0	1/6 mc	nths	1 Week Co	mı			~
Year Round	Permit Limit							Maximu	1									
78475 (ML-+) RF-C	Reported							138				1/6 m	onths			0	60	
Copper, Sludge, Tot, Dry		N/A	N/A			N/A	N/A	1500	1	mg/kg	0	1/6 mg	nths	1 Week Co	mı		dr. et	allers of the Control of the Real Property of the R
Weight (As Cu) Year Round	Permit Limit		J. J	}			150000	Maximu	1			0.0000000000000000000000000000000000000		2000 St. 200				× .
						Name -	-	12.2		-		1/6 m	onths			-	60	
78468 (ML-+) RF-C Lead, Dry Weight	Reported	N/A	N/A			N/A	N/A	250	1	mg/kg	0	1/6 mg		1 Week Co	m		00	
Year Round	Permit Limit	IN/A	INVA			IVA	187/2	Maximu		ingrag		170 1110	11413	1 WEEK CO	"",			~
78471 (ML-+) RF-C	Reported							1.8	-	-		1/6 m	onths				60	
Mercury, Dry Weight	Reported	N/A	N/A			N/A	N/A	10		mg/kg	0	1/6 mg		1 Week Co	mı			***
Year Round	Permit Limit	IN/A	I IV/A			IVA	14//	Maximu		Ingrag		""	11013	1 WOOK OO				~
78465 (ML-+) RF-C	Reported						-	2.9	+	+		1/6 m	onths			0	60	
Molybdenum, Dry Weight		N/A	N/A	1		N/A	N/A	18	1	mg/kg	0	1/6 mg		1 Week Co	mı			- 10 Copy - 10 (10 Pm)
Year Round	Permit Limit	19/74	, WA			14/23	1	Maximo			"			cox 60	""			~
78469 (ML-+) RF-C	Reported		_					13.0		1		1/6 m	onths			0	60	
Nickel, Dry Weight	reported	N/A	N/A			N/A	N/A	200	1	mg/kg	0	1/6 mg		1 Week Co	mı			
Year Round	Permit Limit		,,,,,					Maximu	1				11707					~
49031 (ML-+) RF-C	Reported							<5.3				1/6 m	onths			0	60	
Selenium, Sludge, Total	reported		21/4	1 1		N/A	N/A	36	1	mg/kg	0	1/6 mg		1 Week Co				
Dry Weight		N/A	N/A			N/A	IN/A		1	ilig/kg	"	1/6 1110	11015	1 Week Co	1111			~
Year Round	Permit Limit							Maximu							**********		(715, 1186 - 61 - 71	
78467 (ML-+) RF-C	Reported							308	1			1/6 m				0	60	
Zinc, Dry Weight		N/A	N/A			N/A	N/A	2800		mg/kg	0	1/6 mo	nths	1 Week Co	wt			~
Year Round	Permit Limit							Maximu									**********	* *************************************
00916 (ML-+) RF-C	Reported						ļ	14600	4				onths			0	60	
Calcium, Total (As Ca)		N/A	N/A			N/A	N/A	Rpt Onl		mg/kg	0	1/6 mo	nths	1 Week Co	mi			~
Year Round	Permit Limit		_	\vdash	-	1 00 =	1 00 -	Maximu	1	4	Ļ	410	35 x = -					
61553 (ML-+) RF-C	Reported					20.7	20.7	20.7	-	Percent	0		onths	1 Week Co		- 0	60	
Solids, Total, Sludge, Perce	Permit Limit	N/A	N/A			Rpt On Minima		Rpt On Maxim	1	Percent	1 0	1/6 mc	nuis	1 Week Co	mil			~
Year Round					_	INTITITITI	Avg.	1	1	+		1/6	onths		***************************************	-	00	
78472 (ML-+) RF-C Potassium, Sludge, Tot,	Reported							5470	1					1	-	- 0	60	
Dry Wt. (As K)		N/A	N/A			N/A	N/A	Rpt Onl		mg/kg	0	1/6 mo	nths	1 Week Co	m į			~
Year Round	Permit Limit							Maximu										
78478 (ML-+) RF-C	Reported							18300				1/6 m	onths			0	60	
Phosphorus, Sludge, Tot,		N/A	N/A			N/A	N/A	Rpt Onl		mg/kg	0	1/6 mo	nths	1 Week Co	mr			
Dry Wt. (As P)	Permit Limit		1					Maximu										
Year Round									-	+		1/0-	45 -		_		20	
82294 (ML-+) RF-C Nitrogen, Ammonia,	Reported							5910	1			1/6 m				- 0	60	
Sludge, Tot Dry Wgt		N/A	N/A		1	N/A	N/A	Rpt Onl		mg/kg	0	1/6 mo	nths	1 Week Co	m1	****		~
Year Round	Permit Limit							Maximu							********		********	the same of the same of the same
78470 (ML-+) RF-C	Reported							<5.8				1/6 m	onths			0	60	
Nitrogen, Sludge, Tot, Dry		N/A	N/A		1	N/A	N/A	Rpt Only	1	mg/kg	0	1/6 mo	nths	1 Week Co	mı			Mary 1/45
Wt. (As N)	D	13//	19/1		1	13/15	1,4//	2012		aa								· ·
Year Round	Permit Limit							Maximu	-			1.00						
51020 (ML-+) RF-C	Reported				-			68800	-			1/6 m	ontns		-	0	60	
Organic Nitrogen, Sludge Tot, Dry Weight		N/A	N/A			N/A	N/A	Rpt Only		mg/kg	0	1/6 mo	nths	1 Week Co	mł			· · · · · · · · · · · · · · · · · · ·
Year Round	Permit Limit							Maximu										
July 110 dilla	. Januar Linnit							1										

00927 (ML-+) RF-C	Reported					2390			1/6 months		060
Magnesium, Total (As Mg) Year Round	Permit Limit	N/A	N/A	N/A	N/A	Rpt Only Maximu	mg/kg	0	1/6 months	1 Week Comp	
31641 (ML-+) RF-C	Reported					23571			1/6 months	İ	060
Fecal Coliform		N/A	N/A	N/A	N/A	Rpt Only	col/gr	0	1/6 months	Grab	
Year Round	Permit Limit					Maximu					V

MONTHLY OPERATIONAL REPORT

Required Surface/(GWUDI)

PWSID NUMBER: WV 3301933

MONTH/YEAR: April

2022

SYSTEM NAME Shepherdstown Water PLANT FLOW CHEMICALS USED PHONE NUMBER 304-876-2394 COUNTY FILTER BACKWASH I Jefferson

				-	_	-	-	Miles and Street	A COLUMN TWO	-	-	-	-	-		_						-					-								
AVG	TOTAL	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	Cī.	4	ω	2			DATE	J
13	392		13	15	13	12	14	17	8	12	13	12	11	13	16	8	13	13	13	11	16	16	8	13	14	14	14	15	18	=	12	15	(HRS)	Time	
617,447	18,523,400		639,800	721,700	633,000	565,100	699,300	819,300	361,000	587,100	643,200	542,800	534,400	635,600	774,600	369,800	653,700	645,700	636,200	543,500	759,300	786,000	405,800	587,600	590,800	598,100	609,600	609,600	720,700	528,800	580,300	741,000	(GALS)	Water	:
789	23,673		820	802	812	785	833	818	802	809	825	754	810	815	807	790	813	828	816	823	791	824	805	759	703	712	726	677	679	809	806	823	(GPM)	Rate	!
279.2	8,375.1		291	326	286	255	316	370	163	265	291	245	242	287	350	167	296	292	288	246	343	355	183	266	267	270	276	276	326	239	262	335	lbs	del pack	T
54.2	1,626.4		54.5	54.2	54.2	54.1	54.2	54.2	54.2	54.2	54.2	54.1	54.3	54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.2	54.2	54.2	54.2	54.2	54.1	54.3	54.3	54.2	54.2	54.2	54.2		×	
																																	lbs		
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ppm		סו ירווויסארט סטרט
13.6	407.0		15	19	3	==	15	18	10	3	12	16	10	14	7	7	14	15	15	12	15	19	9	13	16	13	14	13	17	11	14	17	bs	fluoride	0000
2.7	79.7		2.8	3.2	2.5	2.5	2.6	2.6	3.3	2.7	2.2	3.5	2.2	2.6	1.1	2.3	2.6	2.8	2.8	2.6	2,4	2.9	2.7	2.7	3.2	2.6	2.8	2.6	2.8	2.5	2.9	2.8	ppm		
																																	lbs		
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ppm		
7.1	212.0		10	10	ω	Б	æ	10	თ	7	ဖ	7	4	7	۵	თ	7	æ	8	თ	ω	10	4	7	8	7	7	7	œ	6	2	9	lbs	potassium	
1.3	39.9		1.9	1.7	0.6	<u>۱</u> ن	1.4	1.5	1.7	1.4	1.7	1.5	0.9	1.3	1.4	1.6	1.3	1.5	1.5	1.3	1.3	1.5	1.2	1.4	1.6	1.4	1.4	1.4	1.3	1.4	0.4	0.2	ppm	sium ganate] à
																																	lbs		
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ppm		Herricals used in blocks below
																																	lbs	Pre Chlorine	I III DIOC
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ppm	ne "	oks beig
9.9	297.0		9	13	10	10	11	14	7	9	8	10	ω	œ	11	7	8	8	9	œ	10	14	6	9	<u>-</u>	1	12	11	13	9	10	13	lbs	Chic	1
1.9	57.9		1.7	2.0	1.9	2.1	1.9	2.0	2.3	1.8	1.5	2.2	1.8	1.5	1.7	2.3	1.5	1.5	1.7	1.8	1.6	2.1	1.8	1.8	2.2	2.2	2.4	2.2	2.2	2.0	2.1	2.1	ppm	Post	
2	60.0		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Washed	Number of Filters	TIL IEK
15,913	477,391		12,682	14,289	13,632	13,612	18,492	18,700	17,315	13,232	14,660	14,838	14,674	18,310	16,761	16,731	14,703	14,493	14,950	14,933	19,533	20,273	16,987	15,341	16,536	16,200	26,079	13,071	12,325	15,670	13,449	14,920	(GALS)	Wash	FILIEK BACKWASH

PWSID NUMBER: WV 3301933

MONTH/YEAR: April 2022

1	1	Ciliotine Residual (mg/L)		_	urbidity (NTU)	_		рH (S.U.)	
-	3	CONTRACTOR OF THE PARTY OF THE							
(Free) (Total)		sampling Location of stem Total Chlorine Residual	Sampler	Raw	Settled	Finished	Raw	Settled	Finished
1.7	1.1 nctc		dcs	9.7	0.7	0.05		6.8	6.50
1.6	1.0 ray str		aw	12.1	0.7	0.06	6.9	6.9	6.70
1.6	0.9 green		dag	17.0	0.7	0.05	6.7	6.8	6.80
1.5	1.1 sweet		rdj	22.4	0.7	0.05	6.7	6.8	6.70
1.4	1.2 day ca		dcs	16.0	0.7	0.04	6.6	6.7	6.80
1.4	1.2 food li		alw	15.3	0.7	0.06	6.8	6.6	6 70
1.5	1.0 chriss		dcs	32.6	0.7	0.04	6.8	6.5	6.30
1.4	1.1 7=11		alw	106.9	0.7	0.05	6.6	6 5	6 40
1.5	1.0 walgre		alw	73.2	0.7	0.05	6.8	67	6 60
1.4	1.3 sheetz		dag	65.4	0.7	0.04	6.8	6.7	6 60
1.5	1.3 subwa		dcs	34.2	0.7	0.04	6.7	6 4	6.50
1.5	1.0 kwik c		dag	20.4	0.7	0.03	6.8	6.5	6 40
1.5	1.2 spwd		ppd	11.9	0.7	0.04	6.8	6.6	6.50
1.5	0.9 212 ur		ppd	9.2	0.7	0.04	6.8	6.7	6.50
1.5	0.9 town h		ppd	7.9	0.7	0.05	6.7	6.6	6.50
1.5	1.0 bettys		dag	9.9	0.7	0.04	6.7	6.6	6.50
1.4	1.0 kings		dag	10.9	0.7	0.04	6.9	6.8	6.80
1.4	1.2 marias		dag	10.4	0.7	0.04	6.5	6.9	6.60
1.5	1.0 union		dcs	8.9	0.7	0.03	6.6	6.7	6.80
1.4	1.0 h=mar		ppd	8.7	0.7	0.04	6.6	6.5	6.80
1.5	0.9 sweet		ppd	7.0	0.7	0.04	6.8	6.6	6.70
1.6	1.0 O'hurle		ppd	8.2	0.7	0.04	6.8	6.7	6.80
1.5	1.0 06 coll		alw	10.9	0.7	0.04	6.9	6.8	6.70
1.4	1.2 dollar		dag	11.1	0.7	0.04	6.8	6.8	6.70
1.4	0.6 mcdon		dag	10.4	0.7	0.04	6.5	7.3	7.10
1.3	0.8 domina		<u>a</u> ,	12.3	0.7	0.04	6.5	6.5	6.60
1.4	0.9 coldwe		<u>a</u>	8.9	0.7	0.04	6.8	6.7	6.60
1.3	0.9 water t		<u>a.</u>	9.7	0.7	0.04	6.6	6.7	6.40
1.3	0.9 2395 w		dcs	6.0	0.7	0.04	6.8	6.7	6.60
1.4	0.9 528 sa		alw	7.9	0.7	0.04	6.8	6.7	6.60
	30.4		A 580	595.4	21.6	1.28	201.90	200.80	198.80
	1.0			19.8	0.7	0.04	6.73	6.69	6.63
corded abov	/e are true a	nd accurate to the best of my k	nowledge						
)			i cuga						
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	orded abov	(10tal) Syy 7 1.1 nctc 6 1.0 ray st 6 0.9 green 5 1.1 sweet 4 1.2 food ii 7 1.3 sheet 6 1.0 walgre 1.1 sheet 5 1.0 walgre 1.1 sheet 1.1 sheet 1.2 spwd 1.3 sheet 1.0 st yw 1.1 sheet 1.0 st yw 1.1 sheet 1.0 st yw 1.0 sweet 1.0 h=mar 1.0 of coli i 1.0 marias 1.0 of coli i 1.	(10tal) System Total Chlorine Residual 7	(10tal) System Total Chlorine Residual	S5	(1018) System Total Chlorine Residual Initials Raw Settle	Raw Settled Finis 9.7 0.7 12.1 0.7 17.0 0.7 16.0 0.7 15.3 0.7 15.3 0.7 15.3 0.7 15.4 0.7 73.2 0.7 65.4 0.7 34.2 0.7 11.9 0.7 11.9 0.7 9.2 0.7 10.9 0.7 10.4 0.7 8.7 0.7 8.7 0.7 10.4 0.7 10.7 0.7 8.2 0.7 10.4 0.7 10.7 0.7 8.9 0.7 10.4 0.7 10.7 0.7 8.9 0.7 9.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	Raw Settled Finished Raw 97 0.7 0.05 12.1 0.7 0.06 17.0 0.7 0.06 17.0 0.7 0.05 22.4 0.7 0.05 16.0 0.7 0.04 15.3 0.7 0.04 106.9 0.7 0.05 73.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 34.2 0.7 0.04 7.9 0.7 0.04 7.9 0.7 0.04 8.9 0.7 0.04	Raw Settled Finished Raw Settled 97 0.7 0.05 6.8 12.1 0.7 0.05 6.9 17.0 0.7 0.05 6.7 17.0 0.7 0.05 6.7 16.0 0.7 0.04 6.6 15.3 0.7 0.04 6.8 106.9 0.7 0.04 6.8 106.9 0.7 0.04 6.8 106.9 0.7 0.04 6.8 106.9 0.7 0.04 6.8 106.9 0.7 0.04 6.8 106.9 0.7 0.04 6.8 106.9 0.7 0.04 6.8 32.6 0.7 0.04 6.8 34.2 0.7 0.04 6.8 11.9 0.7 0.04 6.8 9.2 0.7 0.04 6.8 6.8 0.7 0.04 6.8

Certification #:

WVOP01358

(Certified Operator Signature Required)

Exp. Date:

3/31/2024

Certification Class

≡

Total Filter Surface Area Average Filter Run/Each Filter

2.58%

(filters) (sq. ft.) (hrs.) (%)

Number of Filters Used:

Date:

THIS PAGE IS OPTIONAL

Page 3 of 3

PWSID NUMBER: WV 3301933

		WSID NUMBER: WV
iron		R:
Manganese		3301933
Phenolphthalein		
Total Alkalinity	ANALYTIC/	
Calcium Hardness	ANALYTICAL RESULTS (mg/L)	
(TDS)		MONTH/YEAR:
-		Ŕ.
TEMP		Apri
/I SI)		il 2022

							ANA	LYTICA	RESU	ANALYTICAL RESULTS (mg/L)			
DATE	ā	Iron	Manganese		Phenolphthalein	thalein	Total Alkalinity	kalinity	Calcium Hardness	Hardness	(TDS)	TEMP	(LSI)
	Raw	Finished	Raw Finished	7	Raw	Finished	Raw	Finished	Raw	Finished	(Finished)		Langeller Saturation Index
_					_	54				93	(i illibrica)	(Fillistied)	(Finished)
2						57				99		10.8	
ω				-		55				98		12.1	
4						44				87		12.3	
On On				_		46				82		12.6	
6			-	_		48				85		12.5	
						53				90		11.7	
0						34				66		14.2	
5 6				\vdash		28				57		12.6	
			-	+		29				59		12.4	
3 =				-		34				64		11.9	
ء ئد			1	+	-	46				69		12.6	
14				+	-	41				78		15.6	
ה ה			-	+	-	46				83		15.8	
ה מ			+	-		48				87		18.5	
17				+		24				90		15.9	
18			+	+		2 2				93		15.8	
10			1	+	-	2				94		14.5	
20 0				-	-	58				96		14.6	
2 6				+		60				92		14.8	
3 7						54				90		14.5	
23 1				-		53				95		14.8	
2/ 1/2				+	-	51				84		15.2	
2, 1,				+	-	63				79		14.6	
36				+		52				84		18.8	
27		-		+	-	48				84		18.4	
28 2		1		+		51				84		18	
3 6			-	+	_	54				86		17.5	
30 6				+		53				88		17.7	
2 2			-	+	-	55				87		16.5	
TOTAL			+	+	+	1476			-				
AVG				+	1	49				0707		439.4	
				ŀ						100		15	

MONTHLY COMBINED FILTER EFFLUENT TURBIDITY REPORT

0.0550 6pm 0.050 1mm N10 1mm 0.050 0.050 0.050 6pm 0.040 0.050 6pm 0.050 0.050 0.040 0.050 6pm 0.050 0.040 0.050 6pm 0.050 0.040 0.040 0.050 6pm 0.040 0.050 0.040 6pm 0.040 0.050 0.040 6pm 0.040 0.050 6pm 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.040 6pm 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.030 6pm 0.040	Please report NTU values to two decimal places (0.00)** NTU TIME NTU TIME NTU TIME 0.0550 6pm 0.0550 10pm 0.060 0.060 6pm 0.040 0.060 6pm 0.040 0.050 6pm 0.040 0.030 6pm 0.050 0.040 6pm 0.030 0.040 6pm 0.040 0.030 6pm 0.040 10pm 0.040 0.030 6pm 0.040 10pm 0.040 0.030 6pm 0.040 10pm 0.040 10pm 0.040 0.030 6pm 0.040 10pm 0.040 10pm 0.040 0.030 6pm 0.040 10pm 0	PHease report NTU values to two decimal places (0.00)** NTU TIME NTW TIME NTW TIME 0.050	SAN 1933 X Surface SWUDI WATER	Countrace Coun	=	Certification Class III	Certifi	3/31/2024			Exp. Date_			data	Complete	8	Certification #: WVOP01358	ification #:	Сеп
0.050 6pm 0.050 1mm 0.050 0.050 0.050 0.050 6pm 0.040 0.050 0.040 0.050 0.040 0.050 0.040 0.050 0.040 0.040 0.040 0.040 0.040 0.040 0.040 0.030 6pm 0.040 0.030 6pm 0.040 0.030 6pm 0.030 6pm 0.030 6pm 0.030 0.040 6pm 0.030 0.030 6pm 0.030 6pm 0.030 0.040 0.030 6pm 0.030 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.	Please report NTU values to two decimal places (0.00)** NTU TIME NTU TIME NTU TIME 0.0550 6pm 0.0550 10pm 0.060 0.060 6pm 0.040 0.060 6pm 0.040 0.050 6pm 0.040 0.030 6pm 0.050 0.040 6pm 0.030 0.030 6pm 0.040 0.030 6pm 0.030 0.030 6pm 0.040 0.030 6pm 0.040 0.030 6pm 0.040 10pm 0.040 10pm 0.040 0.030 6pm 0.040 10pm 0	PHease report NTU values to two decimal places (0.00)** NTU TIME NTME NTME NTME NTME NTME NTME NTME NT	PHONE NUMBER 304-876-2394	GWUDI PHONE NUMBER 304-876-2394			Date: _				equired)	Signature R	Operator S	(Certified					
0.050 6pm 0.050 1mm 0.050 0.050 0.050 0.050 0.050 0.050 10pm 0.060 0.060 0.060 0.060 0.060 6pm 0.060 0.050 0.030 6pm 0.040 0.050 0.040 6pm 0.040 0.050 0.040 6pm 0.040 0.050 6pm 0.040 0.050 6pm 0.040 0.050 6pm 0.040 0.030 6pm 0.040 0.030 6pm 0.040 0.030 6pm 0.030 0.040 6pm 0.030 0.030 6pm 0.040	Please report NTU values to two decimal places (0.00)** NTU TIME NTU TIME NTU TIME 0.050 0.050 6pm 0.050 10pm 0.060 0.060 6pm 0.040 0.060 0.030 6pm 0.050 10pm 0.060 0.030 6pm 0.030 0.040 0.030 0.040 0.030 6pm 0.040 0.030 0.040 0.030 6pm 0.030 0.040 6pm 0.030 0.040 6pm 0.030 0.040 6pm 0.030 0.040 6pm 0.030 6pm 0.030 0.040 6pm 0.030 0.040 6pm 0.030 6pm 0.030 0.040 6pm 0.030 6pm 0.030 0.030 6pm 0.030 6pm 0.030 6pm 0.030 0.030 6pm 0.030 6pm 0.030 6pm 0.030 6pm 0.030 6pm 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.030 6pm 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.040 0.030 6pm 0.040 0.040 0.040 0.030 6pm 0.040	PHONE NUMBER Please report NTU values to wo decimal places (0.00)** NTU TIME NTU TIME NTU TIME NTU TIME 0.050 6pm 0.050 10pm 0.050 0.060 6pm 0.040 0.050 6pm 0.040 0.050 6pm 0.050 0.040 6pm 0.050 0.040 6pm 0.050 0.040 6pm 0.050 0.040 6pm 0.030 0.040 6pm 0.040 0.050 6pm 0.040 0.050 6pm 0.040 0.040 6pm 0.040 0.050 6pm 0.040 0.040 6pm 0.040 0.050 6	MONTH/P SWUDI	CANUDI C							Required)	nted Name	perator Pri	(Certified C					
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Shepherdstown Water PHONE NUMBER 304-876-2394	E:(Check One) X Surface			3300033	April	••	TH/YEAR:	MON				1				0001800	. 444	100000000000000000000000000000000000000	

WV Office of Environmental Health Services - Data Management 350 Capitol Street, Room 313, Charleston, WV 25301-3713

Phone: (304) 558-2981 FAX: (304) 558-0139

INDIVIDUAL FILTERS

If filter method i	s other than direct or conventional, please specify	
(Please note, direct or	conventional methods are required to complete the form below)	(diatomaceous earth, slow sand, other)
Was each file	ter monitored continuously?	
✓ Yes	□ No	
2. Were measur	rements recorded every 15 minutes?	
✓ Yes	No	
3. Was there a f	failure of continuously turbidity monitoring equipme	ent?
Yes	✓ No	
4. Were individu	ual filter levels greater than 1.0 NTU in two consec	utive measurements?
Yes	✓ No	
5. Were individu	ual filter levels greater than 0.5 NTU in two consec	utive measurements after online for more than four hours?
Yes	✓ No	
6. Were individu	al filter levels greater than 1.0 NTU in two consecutations.	utive measurements in three consecutive months?
Yes	✓ No	
7. Were individu	al filter levels greater than 2.0 NTU in two consecu	utive measurements in two consecutive months?
Yes	✓ No	
	FILTER NUMBER	n/a
	TURBIDITY MEASUREMENTS	n/a
	DATE(S) AND TIME(S)	n/a
certify the informat	ion recorded above is true and accurate to the best of my k	nowledge.
CERTIFIED BY:	Charles Coe Operator Printed Name Required	
CERTIFIED BY:		Date:
Certification #	Operator Signature Required WVOP01358	Evn Data 2/24/2004 0 1/2 1/2 01 1/2
Jakien II		Exp. Date 3/31/2024 Certification Class III

CONTINUOUS MONITORING

MONTHLY CHLORINE RESIDUAL REPORT - Required Surface and GUDI Sources

Required for Surface/GWUDI Systems

		3301933								MONTH/YEAR:	A	oril	2022
		Check One											
SYSTEM	NAME	Shephe	rdstow	n Water	se report Chic	PHONE N	UMBER	(304) 87	6-2394	COUNTY		jefferso	n
DATE	TIME	CL. RES.	TIME	CL. RES.	TIME	CL. RES.		CL. RES.	TIME	CL. RES.	TIME	CL. RES.	TOTAL
									111112	OL. NES.	TIME	CL. RES.	TOTAL
										1			
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			NAME OF THE OWNER OF							1			
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2													
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				# of Sa	amples und	ler 0.2 ma/l/ f	ree chlorin	e residual)	0		#-45		
rtify the valu	es recorded at	ove are true and	accurate to the							rotar	# of Sampl	es Taken_	
	IED BY:			Jose or my Kill	z.nedye.								
	-			(Certified	Operator S	ignature requi	red)						
	-			(Certified	Operator S	ignature requi	red)			Date:			
Certi	fication #: v	WOP01358				Exp. Date ма	arch 31, 2022		Certific	ation Class III			

QUARTERLY OPERATIONAL REPORT DISINFECTION BYPRODUCT PRECURSORS CONTROL

(GWUDI)

PWSID NUMBER: WV	330193	3			QU	ARTER/YEAR	2022
			(Required)		. , , , , ,		LULL
System Name	Shephe	erdstown '	Water		County	Jefferson	
Treatment Plant Name							
Month		ce Water	Treated Water TOC	(A) Actual % TOC	(B) Required%	(C) Removal	Basis for Required %
	ALK (mg/L)	TOC (mg/L)	(mg/L)	Removal	TOC Removal	Ratio (A) / (B)	Removal
		· · · · · · · · · · · · · · · · · · ·					
Total							
Annual Average							
CERTIFIED BY:							
OLIVINIED B1.		(Certified	Operator's Printed N	Name Required)			
-		(Certifie	ed Operator's Signat	ure Required)		Date:	
Certification #				Exp. Date			
Certification Class				Telephone			

Complete and return within 10 days after the end of the quarter to: WV Office of Environmental Health Services RD&C Unit 350 Capitol Street, Room 313, Charleston, WV 25301-3713 Phone: (304) 558-2981 FAX: (304) 558-0139

FLUORIDATION REPORT

PWSID NUMBE		MONTHLY SUMM 3301933	ARY OF OPERATION	MONTHUE
		quired)	•	MONTH/YEAR: April 2022
SYSTEM TYPE	::(Mark One)			
		Surface	Ground Water	r Under the Influence of Surface Water
SYSTEM NAME	Shepherdstown Water		PHONE NUMBER 876-2394	COUNTY Jefferson
	MICAL USED: HYDROFLUOSI	LICIC ACID		PURITY: 23.5%
	y 150 1450-105 100450	I		
DATE	GALLONS OF WATER TREATED*	POUNDS/GAL OF CHEMICALS USED	ANALYTICA	AL RESULTS (mg/L)
			PLANT EFFLUENT	DISTRIBUTION SYSTEM
1	741000.00	17.00	0.84	0.78
2	580300.00	14.00	0.77	0.70
3	528800.00	11.00	0.63	0.60
4	720700.00	17.00	0.66	0.66
5	609600.00	13.00	0.74	0.83
6	609600.00	14.00	0.82	0.72
7	598100.00	13.00	0.73	0.70
8	590800.00	16.00	0.72	0.70
9	587600.00	13.00	0.65	0.60
10	405800.00	9.00	0.70	0.65
11	786000.00	19.00	0.77	0.72
12	759300.00	15.00	0.70	0.46
13	543500.00	12.00	0.71	0.56
14	636200.00	15.00	0.67	0.64
15	645700.00	15.00	0.82	0.87
16	653700.00	14.00	0.51	0.63
17	. 369800.00	7.00	0.59	0.66
18	774600.00	7.00	0.59	0.65
19	635600.00	14.00	0.60	0.65
20	534400.00	10.00	0.58	0.74
21	542800.00	16.00	0.69	0.67
22	643200.00	12.00	0.73	0.71
23	587100.00	13.00	0.72	0.69
24	361000.00	10.00	0.74	0.71
25	819300.00	18.00	0.54	0.65
26	699300.00	15.00	0.69	0.83
27	565100.00	11.00	0.70	0.79
28	633000.00	13.00	0.71	0.68
29	721700.00	19.00	0.76	0.62
30	639800.00	15.00	0.66	0.60
31				
TOTAL	18,523,400.00	407.00	20.74	20.47
AVERAGE	617,446.67	13.57	0.69	0.68
HIGHEST READING			0.84	0.87
Deptional IF reported on E			0.51	0.46
	recorded above are true and accurate	to the best of my kno	wledge.	
ERTIFIED BY:		ed Operator Printed Name F	Required)	
_	, Certini		oqui suj	DATE:
Certification#: \(\frac{1}{2}\)		fied Operator Signature Rec	quired)	DATE:

Exp. Date

3/31/2022 Certification Class III

LOCATION	VALVE	VE	ISSUE WITH HYDRANT	DROBOSED WORK BLAN	CTATIO	
	¿N/Y	In Service?		LINE COLD IN CONF. LAN	SIAIUS	KEPORI
HYDRANTS OUT OF SERVICE/NEED REPAIRS	:	1				
Green Pineapple	Yes	8 8	Broke off stem/Loading Zone	Replace Hydrant/ install bollards		
HYDRANTS TO BE REMOVED AND RETIRED Corner King & New Streets			4" main, inadequate supply	Refire hydrant covered by other hydrant		
Corner Church & New Street			4" main, inadequate supply	Retire hydrant, covered by other hydrants		
East High Street (Tommy's Pizza)			4" main, inadequate supply	Retire hydrant, covered by other hydrants		
HYDRANTS IN SERVICE/NEED REPAIRS						
Bon Aire Cul de sac	Yes	Yes	No Drain/Hard to operate	Replace hydrant		
High Street at Stutzman-Slonaker Hall	Yes	Yes	Hydrant won't drain	Repair in place		
W. High st/ N. Duke st.	2	Yes	Hard to operate	Replace hydrant		
426 Willowdale Dr	٠,	Yes	too low	Needs Riser		
318 Shepherd Ln	٠,	Yes	Leaking at base	Repair in place		
Jala Yoga	Yes	Yes	Leaking from top/Vibrating bad	Repair in place		
NEW HYDRANTS						
Library			In service			
Library Entrance			In service			
Tack & Jack's Apartments, Duke St.	?	2	Taken out by drunk driver	Replace		
HYDRANTS WITH PROPERTY ISSUES						
DEDICATED HYDRANTS						
SU Baseball field end of High Street			Open only w/permission of Water Dept.	Special tag, alert firefighters		
Mecklenburg Heights			Open only w/permission of Water Dept.	Special tag, alert firefighters		
NOTES						
Minimum clearance for bollards: 36"			36'			
Total gallons flushed			378,900			
*Loop behind Roc's- distribution project						



March 17, 2022

Frank Welch, Public Works Director Corporation of Shepherdstown 104 North King Street P.O. Box 248 Shepherdstown, West Virginia 25443-0248

RE: Colonial Hills Phase III Subdivision Water and Sewer Application

Dear Mr. Welch,

On behalf of Mark-Colonial Hills, L.L.C., we request an extension of the water and sewer application and the alternate mainline extension agreement for the proposed Colonial Hills Phase III Subdivision. The Water & Sewer Board extended the project last at its meeting on April 22, 2021. Therefore, in anticipation of the one year expiration, we respectfully request a further one-year extension. As there have been no changes to plans since your original was approval, no further technical review should be needed. We also request that you issue an updated letter of water and sewer availability for the project along with the extension. Please call if you have any questions or need any additional information.

Sincerely.

ALPHA ASSOCIATES, INCORPORATED

Richard W. Klein, PE Chief Executive Officer

Cc: Rick Fink, Mark-Colonial Hills, LLC

